MEMORANDUM

TO: SLDMWA Board of Directors, Alternates

FROM: Pablo Arroyave, Chief Operating Officer

DATE: January 17, 2024

RE: Proposed Fiscal Year (FY) 2025 OM&R Budget, including Routine OM&R and Extraordinary OM&R/Capital Improvement Project (CIP) Budgets

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BACKGROUND

The O&M Technical Committee (OMTC) reviewed the proposed FY25 Operation, Maintenance, and Replacement (OM&R) Budget in detail in its October 16, 2023 meeting. The participating committee members recommended approval of the FY2025 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 less than eight members were present, no formal recommendation was made.

The Finance & Administration Committee (FAC) then considered the proposed FY25 OM&R Budget in its November 9, 2023 meeting, where it adopted a recommendation that the Board adopt the proposed FY25 OM&R Budget with recommended salary and labor related revisions discussed during the presentation.

The proposed FY2025 OM&R budget is **$26,117,868**. The major budget components include the following:

- Routine OM&R Budget: **$17,288,268** (includes $512,791 for USBR contract)
- Extraordinary OM&R Budget: **$8,829,600**
- CIP Budget: **$0**

In conjunction with the OM&R budget, staff is proposing, and the OMTC and FAC recommended, the addition of two new positions: a Computer Technician (to support the IT Officer) and an Accountant III (to support the Director of Finance). Position justifications for the Computer Technician and Accountant III positions are provided in Attachment 2.b.

The proposed FY2025 OM&R Budget also includes salary increases of 3.5%. The Water Authority salary policy 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, the Water Authority established a policy of basing salary adjustments on the four-month average CPI of August-November for any given year the index is used. The August-November 2023 CPI average is 3.5%.

ISSUE FOR DECISION
Whether to accept the Finance & Administration Committee recommendation regarding the FY25 OM&R Budget.

RECOMMENDATION
Staff recommends the proposed FY2025 OM&R Budget for consideration.

BUDGET DETAILS
The proposed FY2025 OM&R Budget of **$26,117,868** is **1.52%** below the FY2024 OM&R Budget of **$26,519,903**. The total proposed self-funded portion paid by the water users is **$25,605,077** which is a decrease of **3.14%** from the FY2024 budget. The RO&M portion of the budget decreased by **4.08%**. The EO&M portion of the budget increased by **42.46%** and the Capital Improvement Projects (CIP-USBR Funded) budget was decreased by 100% attributable to the approval of Bipartisan Infrastructure Law (BIL) funding for the JPP Excitation Cabinet and Control Panel Refurbishment Project and the DMC Subsidence Correction Projects.

The full comparison summary between the proposed FY2025 OM&R Budget and the Board-adopted FY2024 OM&R Budget is provided in **ATTACHMENT 1**.

Proposed FY2025 Routine OM&R Budget
The Routine OM&R Budget line-item detail and the rationale for variances in line-item budgets greater than 5% is described in **ATTACHMENT 2.a** to this memorandum. In addition, **ATTACHMENT 2.b** includes the FY25 organization chart, staffing levels, and new position justifications, and **ATTACHMENT 2.c** includes proposed special projects/purchases for parts/materials, equipment, and services that are funded through the Routine OM&R Budget.

Proposed FY2025 Extraordinary OM&R/CIP Budget
The Extraordinary OM&R/CIP Budget includes the following projects, as broken down by major category (see **ATTACHMENT 3** for additional detail):

- Extraordinary OM&R Projects – 15 projects, total of **$7,365,000**
  - Projects for O'Neill Pumping-Generating Plant, Intertie Pumping Plant, Jones Pumping Plant, Delta-Mendota Canal, plus phase 1 of an Electric Vehicle Charging Stations project and EO&M Program Management
- Reserve Categories – 5 categories, total of **$1,464,600**
- No budget is requested for Special Funded Extraordinary OM&R/CIP Projects in this proposal due to BIL funding

Relative to the Extraordinary OM&R/CIP Budget, it has long been the Water Authority's practice to carryover EO&M/CIP funds for reserve, EO&M, or CIP projects that have a delayed start, take place over multiple years, or for budgeted replacements (replacements often do not occur until the equipment fails). In June 2023, details regarding this practice and the status of reserve funding were presented to the Finance & Administration Committee.

ATTACHMENT 4 provides an update on the carryover EO&M/CIP funds for reserve, EO&M, and CIP projects. Based on the expenditures-to-date through August 31, 2023 for each of the active EO&M/CIP Projects, the projected carryover balance is $610,087. Relative to FY2025, staff recommends the carryover of funds from previous fiscal year Extraordinary OM&R/CIP budgets.

ATTACHMENT 5 provides a comparison of the WY2023 and WY2024 Water Rates based on the Proposed FY25 OM&R Budget and assuming a 100% SOD AG allocation. Draft rates for a 20% SOD AG allocation year and 40% SOD AG allocation will be available for review during the special budget workshop scheduled for 1/17/24.

EXHIBIT A is the Memorandum to the Finance & Administration Committee (FAC) dated November 9, 2023 providing the Proposed FY25 OM&R Budget including the Routine OM&R and Extraordinary OM&R/Capital Budgets.

ATTACHMENTS

1. FY2025-FY2024 Budget Comparison Summary Page
2. Routine OM&R Budget
    a. Routine OM&R Budget line-item variances greater than 5% explanation
    b. Staffing Information
        - FY2025 Organization Chart
        - Staffing Levels
        - New Position Justifications
    c. Special Projects Justifications
        - Parts & Materials
        - Equipment
        - Services
3. Extraordinary OM&R Budget
    a. FY2025 Projects Funding Summary Page
    b. EO&M Project 10-Year Plan
    c. Project Descriptions/Justifications
4. EO&M/CIP Project Carryover Information
5. WY2023-2024 Rate Comparison

EXHIBITS

A. Memorandum to Finance & Administration Committee (FAC) dated November 9, 2023

ATTACHMENT 1

FY2025-FY2024 Budget Comparison Summary

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY
FY2024 APPROVED, PROPOSED FY2025 TOTAL BUDGET SUMMARY

O&M Budget Summary	Approved FY24 Budget A	Proposed FY25 Budget B	% Change FY24 - FY25 (B-A)/A
Routine O&M (Water Users)	$ 17,940,253	$ 16,775,477	-6.49%
USBR Funded O&M (Service Contract)	$ 83,950	$ 512,791	510.83%
TOTAL (Water Users & USBR)	**$ 18,024,203**	**$ 17,288,268**	**-4.08%**
Extraordinary O&M (Water Users)	$ 6,198,000	$ 8,829,600	42.46%
Capital Improvements Projects	$ 2,297,700	$ -	-100.00%
TOTAL (EO&M/CIP)	**$ 8,495,700**	**$ 8,829,600**	**3.93%**
TOTAL (includes Service Contract)	**$ 26,519,903**	**$ 26,117,868**	**-1.52%**
Total Self Funded Budget (Water Users, excludes Service Contract)	**$ 26,435,953**	**$ 25,605,077**	**-3.14%**

NOTE:
SLDMWA received approval on Bipartisan Infrastructure Law (BIL) funding applications for the DMC Subsidence Correction Project and the JPP Excitation Cabinet and Control Panel Refurbishment Project. Each project was awarded $25M. Both projects are multi-phased and multi-year projects. As a result of this funding, there will be no funding requested in FY25 for either of these projects. Repayment of this funding will be addressed separately.

ATTACHMENT 2

Routine OM&R Budget

a. Routine OM&R Budget Line Detail Comparison
b. Staffing Information
    - FY2025 Organization Chart
    - Staffing Levels
    - New Position Justifications
c. Special Projects Justifications
    - Parts & Materials
    - Equipment
    - Services

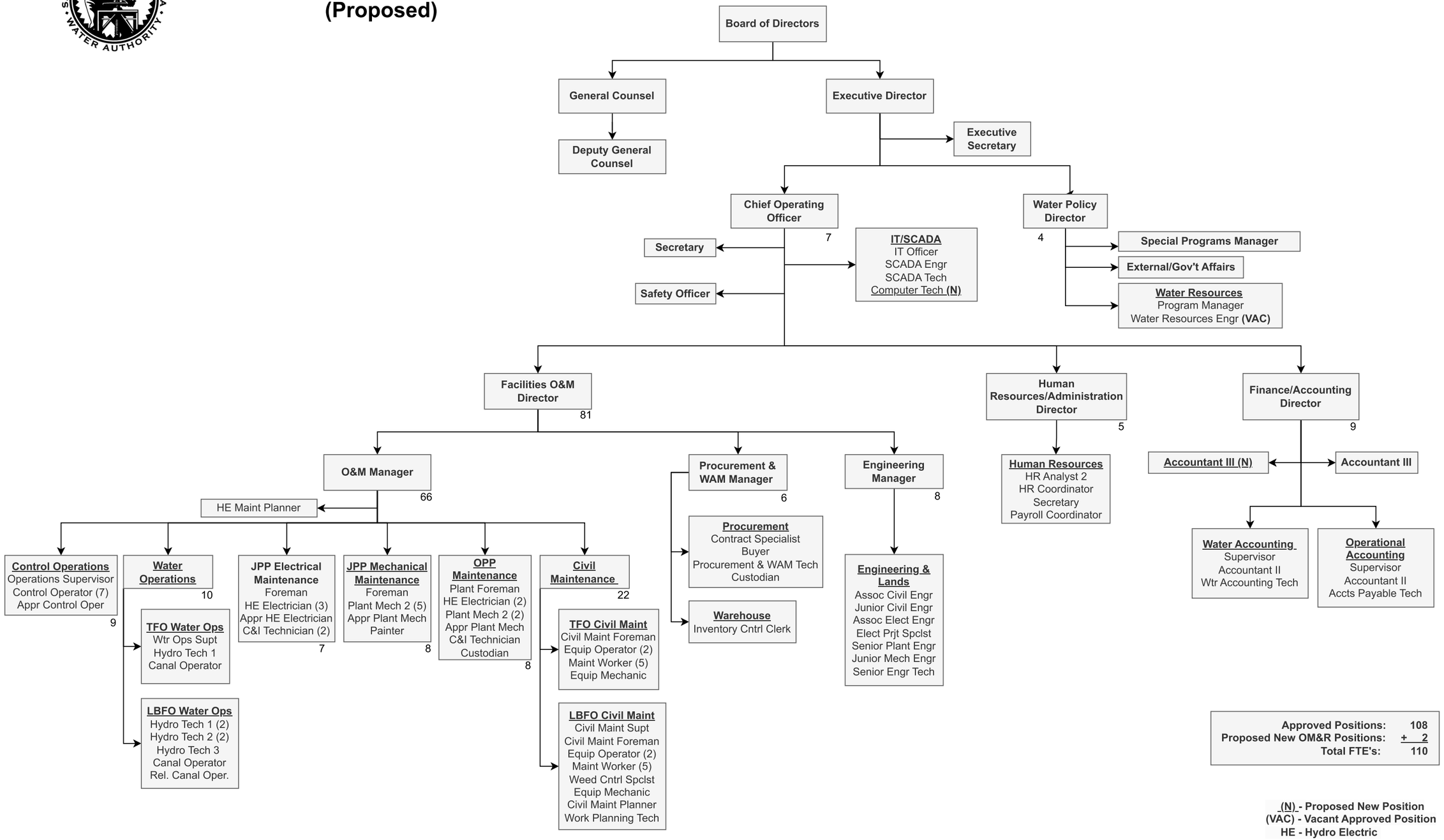
BUDGET LINE ITEM DETAIL COMPARISON

Parts, Materials and Services ($418.4K increase)

- Office Services and Supplies increased $15.1K (26.10%)
  - Increase in Maintenance Contract costs for Department 10
- Clothing, Personal Protective Equipment (PPE) increased $5.2K (10.14%)
  - Requirement for arc-flash rated clothing
  - Safety boot allowance raised to $200/year
  - One-time $2K expense for SLDMWA hats per QIC agreement
- Janitorial Supplies and Services increased $900 (7.17%)
  - Increased to better match existing
- Engineering Consultant decreased $18.5K (-10.91%)
  - Decreased due to most of the surveying costs being covered under the EO&M budget
- Auditing Increased $9K (18.00%)
  - $9K expense for assistance with development of indirect cost (Dept 20)
- Legal increased $39.5K (36.07%)
  - Adjusted to match current projects
    - Increase in Dept 10 of $31.5K (Kronik and Diepenbrock)
    - Increase in Dept 30 of $3K (Kronik)
    - Increase in Dept 50 of $5K (Diepenbrock for Legal review of contract temples)
- Other Professional Services increased $76.7K (20.28%)
  - Increase in Dept 10 of $29.8K (Network Cyber Security Services and SCADA Professional Services)
  - Increase in Dept 30 of $45K (Salary Survey)
- Fees and Licenses increased $1.4KK (6.39%)
  - Increase to Dept 10 due to EPA and HazMat annual fees
- Other Services and Expenses increased $59.5K (13.43%)
  - Increased expenses in Dept 10 for SCADA Cyber Security, SCADA Software Maintenance, SCADA MMI Comprehensive Support and Tuition Reimbursement
  - Increase in Dept 50 of $10K for document shredding services
- Computer Software increased $20.2K (33.39%)
  - Increase due to expenses in Dept 10 for mobile device management software ($17.5K)
- Rents/Leases – Office Machines and Equipment increased $360 (12.24%)
  - Increase in rental fee for stamp machine at LBAO (Dept 05)

- Professional organization dues increased $1.3K (19.772%)
    - Minor membership dues increase for Depts 30 and 40
    - Two new memberships for Dept 50 for Public Procurement Association
- Employee and Group Meetings – Increased $4.2K (14.24%)
    - Increase due to Dept 30 meeting expenses
- Parts/Materials – Vehicle/Construction Equipment increased $5K (5.88%)
    - Increase due to anticipated increase in the cost of vehicle and equipment parts and materials
- Petroleum, Oil, and Lubricants – Increased $125.5K (43.99%)
    - Increase due to anticipated increase in the cost of diesel, unleaded and propane fuels based on our three-year average fuel consumption and the current cost of $5.50 per gallon of gasoline and $6.30 for a gallon of diesel
- Outside Services – Vehicle/Construction Equip – increased $3.9K (5.06%)
    - Increase due to anticipated increase in the cost of these services for vehicle and equipment repairs
- Parts/Materials - Bldg., Grounds, Mech, and Equip. decreased $36.3K (-6.79%)
    - Decreased to better match existing
- Outside Services – Facilities and plant equipment increased $39.4K (14.62%)
    - Primary increase due to DCI transformer HV Bushing Replacement (Special Project) in Dept 60
- Pipe, metal, and Treatments – increased $11.2K (20.11%)
    - Increase due to anticipated increases in the cost of steel, pipe, and paint for repair projects in Depts 42, 44, 45, and 46
- Sand, Backfill & Rock - increased $3.5K (12.50%)
    - Increase due to materials cost for graveling O&M road to several turnouts on unpaved side of DMC
- Chemicals - increased $9.4K (6.09%)
    - Increase due to anticipated surge in the cost of chemicals for weed, rodent, and water treatment
- Telephone Expenses – increased $30.9K (26.44%)
    - Increased budget in Dept 10 for SCADA DMC Check Structure cellular phone service ($10K) and telephone and cellular service plans ($24K)
- New/Replacement Equip and Furniture – Decreased $7.9K (-5.21%)
    - Decreased to better match existing
- Computer Hardware – Increased $14K (73.68%)
    - Increased due to new line item for SCADA Misc not covered under EO&M
- **<u>Equipment/Capital Asset Purchases</u>**
    - Net increase from FY24 of $25.5K (14.02%), see justification

SLDMWA FY 2025 Organization Chart (Proposed)



Approved Positions:	**108**
Proposed New OM&R Positions:	**+ 2**
Total FTE's:	**110**

(N) - Proposed New Position
(VAC) - Vacant Approved Position
HE - Hydro Electric

2b. Staffing Levels

Summary of Assumptions and Considerations

Proposed budget positions for FY25

Position	FY25 Position Count
Accountant II	2
Accountant III	1
Accountant III (PROPOSED)	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	10
Computer Technician (PROPOSED)	1
Contract Specialist	1
Control Operator (includes 1 apprentice)	8
Control Operator, Relief	1
Custodian	2
Director of Finance/Accounting	1
Director of HR & Administration	1
Electrical Engineer	1
Electrical Project Specialist	1
Electric Shop Foreman	1
Electrician (includes 1 apprentice)	6
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

Position (cont.)	Number in FY25
Mechanical Engineer	1
Operations & Maintenance Manager	1
Operational Accounting Supervisor	1
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
Procurement & WAM Technician	1
Safety Officer	1
SCADA Engineer	1
SCADA Technician	1
Secretary	2
Special Programs Manager	1
Water Accounting Supervisor	1
Water Accounting Technician	1
Water Operations Superintendent	1
Water Policy Director	1
Water Resources Engineer (VACANT)	1
Water Resource Program Manager	1
Weed Control Specialist	1
Procurement and Work & Asset Manager	1
Work Planning Technician	1
Total Positions	110

NOTES:

- Routine O&M salaries will vary each year depending on the amount of staff labor dedicated to EO&M and Capital projects.

- 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.c Special Projects/Purchases

The Authority staff evaluates the parts & materials, equipment, computers and services costs annually and adjusts budgets depending on needs. All Projects/Purchase exceeding $5,000 are supported with a justification and cost estimate. (See Attached)

STAFFING JUSTIFICATION FORM
FY 2025

EXPENSE CODE: 5101
PRIORITY CODE: - - ***BUDGET UNIT:*** 10

Type of Purchase

	Materials
	Services
X	Other: Request for New Position

PROJECT DESCRIPTION:	New Position(s): Computer Technician at intermediate to senior experience level
GENERAL SPECIFICATIONS: (See attached information)	Other titles: Information Systems Technician II, Information Technology Technician, IT Analyst, IS Analyst

ESTIMATED COST

Salary Cost:	$ 80,000.00
Benefits, etc.:	$ 25,000.00
Estimated Cost:	***$105,000.00***

Description of current circumstances that drive this request:

The current Information Technology (IT) Department has a staff of one (1). The IT Officer is responsible for all of the SLDMWA IT needs which varies from highly technical activities down to activities only requiring minimal technical skills. The SLDMWA is proposing a new position to perform the less technical activities of the IT Department, so the IT Officer can focus on the more technical responsibilities of the Department. The typical Desktop and user support activities that are currently performed by the IT Officer that can easily be performed by less technical staff are as follows:

- Maintains the help desk, keeping a log of resolutions and other appropriate records.
- Installation, configuration and maintenance of new and existing PCs.
- Provides general hardware and cable repair.
- Maintains and insures proper software licensing in accordance with Federal and State regulations.
- Interaction with end users working to resolve problems.
- Support during Committee and Board ZOOM meetings
- Trains employees in the most effective use of the computer hardware and software.
- Recommends and submits orders for computer supplies and/or maintenance of equipment.
- Tests and reports on various software products and provides quality assurance of products by identifying and documenting defects, and evaluates and recommends software packages for potential acquisition.

With these activities being more efficiently performed by a technician, the IT Officer can be freed up to focus on the high-level management and technical functions of the Department.

Description of how this request would change current circumstances:

Hiring an additional Computer Technician to focus on Desktop and end user support will provide end users with quicker response time to resolve issues. Security patches will be evaluated, updated and installed in a shorter time frame. It will allow the IT Officer to spend more time on planning and implementing technologies identified above, managing various vendors, support contracts, and budgets. The IT department can stay current with alerts, bulletins and notices from the various regulatory agencies mentioned above.

STAFFING JUSTIFICATION FORM
FY 2025

EXPENSE CODE: 5101
PRIORITY CODE: - - ***BUDGET UNIT:*** 20

Type of Purchase

	Materials
	Services
X	Other: Request for New Position

PROJECT DESCRIPTION:	Additional Position: Accountant III
GENERAL SPECIFICATIONS: ***(See attached information)***	

ESTIMATED COST		***CURRENT O&M COST INFORMATION***
Salary Cost:	$94,511.09	***:***
Benefits, etc.:	$30,000.00	***:***
Estimated Cost:	***$124,511.09***	***:***

Description of current circumstances that drive this request:

The finance and accounting function has been understaffed for some time. Current staffing levels do not allow sufficient coverage during periods of staff absences. The Authority's external auditors identified limitations on staffing as an area requiring attention during the last two audits. The scope of the department's responsibilities has grown over the last three years with two public offerings of debt and several repayment agreements in place with the Bureau of Reclamation. Additional funding arrangements have been undertaken requiring a single (Yellow Book) audit in addition to the annual audit. The Authority's investment in NetSuite is not being fully exploited as limitations on existing staff time are impeding progress. Updates to formal financial operating procedures and creation of additional procedures to document our internal controls and processes are occurring with the current headcount. While resources are already constrained, the Authority is entering into large scale projects which will require additional staff time to monitor and support.

Description of how this request would change current circumstances:

Hiring an additional Accountant III would allow the department to:

- Provide long term project accounting support for the large scale projects the Authority is undertaking.
- Coordinate Single Audit/Yellow Book compliance necessary for new funding arrangements.
- Prepare Annual BOR Indirect Cost submissions required as a contractor.
- Provide additional General Ledger /Audit support to meet tighter reporting deadlines.
- Formally document internal controls in our processes and procedures and validate same.
- NetSuite Record Maintenance and accounting records updates.
- Provide additional Water Accounting/Operational Accounting support.

SPECIAL PROJECT JUSTIFICATION FORM
FY2025

REQUEST DATE: 8/23/23 ***EXPENSE CODE:*** 5301
PRIORITY CODE: - - ***BUDGET UNIT:*** 43

Type of Purchase

X	Materials
	Services
	Other:

PROJECT DESCRIPTION:	Accusonic Flowmeter panel replacements for DCI
GENERAL SPECIFICATIONS: ***(See attached information)***	

ESTIMATED COST(incl taxes, freight)	
Purchase Cost:	$27000
Inflation Adjustment (4%/YR)	
Estimated Cost:	
Rounded up to 100's	
Total Estimated Cost:	***$27000***

Current O&M Cost Information	**Cost**
Current cost of annual repairs:	
Potential For lost conveyance (if appl)	
Other O&M Cost:	
ANNUAL O&M COST:	

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

The Accusonic flowmeters (Model 7510+) were installed in the DMC-CA Intertie (DCI) penstocks in 2012 and consistently provided accurate flowmetering data. SLDMWA has recently been informed by Accusonic that they no longer support the 7510+ console. Upgrades to the new Model 8510+ flowmeter console is critical to keep the 7510+ sensors operational. This upgrade is for the panel only, and the existing sensors located within the penstock will remain in place.

Description of how this request would change current circumstances:

This request will ensure the DCI penstock flowmeters will remain operational.
The option to replace upon failure was evaluated and determined to not be the best course of action. Accurate flow data from DCI is a critical for water balance on the Delta-Mendota Canal, and a planned replacement is more prudent than waiting for it to fail.

Other options considered during evaluation:

The option to replace upon failure was evaluated and determined to not be the best course of action. Accurate flow data from DCI is critical for water balance on the Delta-Mendota Canal, and a planned replacement is more prudent than waiting for it to fail.

Conclusion/Recommendation:

The planned upgrade of the DCI flowmeter console is recommended. Accurate flow data pumped at DCI is critical for water balance on the Delta-Mendota Canal and this upgrade will prevent loss of data.

SPECIAL PROJECT JUSTIFICATION FORM
FY2025

REQUEST DATE: 8/28/2023 ***EXPENSE CODE:*** 5311
PRIORITY CODE: - - ***BUDGET UNIT:*** 60

Type of Purchase

	Materials
X	Services
	Other:

PROJECT DESCRIPTION:	DCI Transformer HV Bushings Replacement
GENERAL SPECIFICATIONS: ***(See attached information)***	

ESTIMATED COST(incl taxes,freight)		**Current O&M Cost Information**	**Cost**
Purchase Cost:	$25,000	**Current cost of annual repairs:**	
Inflation Adjustment (4%/YR)	$1,000	**Potential For lost conveyance (if appl)**	
Estimated Cost:	***$26,000***	**Other O&M Cost:**	
		ANNUAL O&M COST:	
Rounded up to 100's	$26,000		
Total Estimated Cost:	***$26,000***		

Description of current circumstances that drive this request: *(include age and condition of existing equipment)*
DCI Transformer KW1A had a fault incident which was caused by an owl that shorted between two bushings. There was some light splatter that was found on two bushings. Inspections have been performed by SLDMWA and all three bushings were doble tested by RESA and passed. RESA determined the transformer could remain in operation. It was also recommended by TSC and RESA to replace the bushings with new bushings to eliminate any risks that was not found by inspection or test.

Description of how this request would change current circumstances:
The replacement of the bushings would put DCI on a plant outage for one day (2 days at most).

Other options considered during evaluation:

Alternative plan would be to purchase and store three bushings as spares. If there are signs of further bushing degradation or transformer trips, then plan for the bushings replacement. The risk of bushing failure is low, but the impact of a bushing failure is moderate to very high.

Conclusion/Recommendation:
DCI is still operational as-is. Bushing failures are rare and there is currently no issue electrically. Replacing the compromised bushings next year will eliminate any unforeseen risks that may have been missed during the inspection and doble test. The replacement process will only require 1-2 days of plant outage time. Repairs will be timed when there is no dependence on DCI pumping.

EQUIPMENT PURCHASE JUSTIFICATION FORM
FY2025

REQUEST DATE: 8/23/23 ***EXPENSE CODE:*** 5547
PRIORITY CODE: - - ***DEPARTMENT:*** 46

Type of Purchase

X	New Equipment/Furniture > $10,000
	Replacement Equipment/Furniture
	Other:

EQUIPMENT DESCRIPTION:	Skid Steer Hydraulic angle broom Attachment
GENERAL SPECIFICATIONS: (See attached information)	8' wide skid steer attachment broom for bobcat.

ESTIMATED COST (incl taxes, freight)	
Purchase Cost: $13,000	
Inflation Adjustment (4%/YR)	
Estimated Cost:	***$13,000***
Rounded up to 100's	
Total Estimated Cost:	***$13,000***

Current O&M Cost Information	**Cost**
Current cost of annual repairs:	
Annual lease/rental cost:	
Other O&M Cost:	
ANNUAL O&M COST:	

CURRENT/PROJECTED COST W/O EQUIPMENT:		***PAYBACK***		***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)*

We used to have broom attachments for our old backhoes and we purchased new backhoes they did not come with any broom attachments. We were just going to rent a self-propelled sweeper when needed. We have learned the sweepers are not available for our various projects causing us to use either a water truck or our Sullair compressor and neither one of those do the job of a sweeper, especially when doing asphalt repair. We do not want water on the road and the compressor will not remove the material like the sweeper does, causing us to spend more time with shovels and push brooms to prep the road.

Other options considered during evaluation:

Rent the equipment when needed but it is not available most occasions. Use Water truck or high pressure air compressor and they do not do the job of a hydraulic sweeper.

Conclusion/Recommendation:

Purchase (2) 8' broom attachment for bobcat to complete the various projects and reduce chance of injury with personnel doing more manual labor.

EQUIPMENT PURCHASE JUSTIFICATION FORM
FY2025

REQUEST DATE: 8/23/23 ***EXPENSE CODE:*** 5521
PRIORITY CODE: - - ***DEPARTMENT:*** 45

Type of Purchase

	New Equipment/Furniture > $10,000
X	Replacement Equipment/Furniture
	Other:

EQUIPMENT DESCRIPTION:	
GENERAL SPECIFICATIONS: ***(See attached information)***	Piranha P-65-ton Hydraulic Ironworker

ESTIMATED COST (incl taxes, freight)	
Purchase Cost: $35,000	
Inflation Adjustment (4%/YR)	
Estimated Cost:	
Rounded up to 100's	
Total Estimated Cost:	***$35,000***

Current O&M Cost Information	**Cost**
Current cost of annual repairs:	
Annual lease/rental cost:	
Other O&M Cost:	
ANNUAL O&M COST:	

CURRENT/PROJECTED COST W/O EQUIPMENT:		***PAYBACK***		***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 existed in the plant when the SLDMWA began O&M of the facility. It was obtained using the government surplus program over 30 years ago. It is used for bending and shearing metal for projects and repairs such as making new plate doors for each units bearing access. Future projects include fabricating new j-seal clamp bars for the ONP Stop Log Rehabilitation Project and new pump bases for the cooling water and vacuum pumps that are planned to be rehabilitated in the near future.
Other issues with the existing iron worker are as follows: the unit has no safety guards to protect the operator; dies are worn out or missing, and the oil reservoir leaks and needs to be cleaned periodically after each use.

Other options considered during evaluation:

We discussed transporting the materials and components to the JPP Machine Shop for fabrication but ruled that out for a couple reasons, 1. JPP workload prioritization and 2. Need for OPP to be self-reliant on projects of that are specific to the Plant.

Conclusion/Recommendation:

The existing ironworker has exceeded its service life and does not have all the required safety protections/guards that are necessary to operate the unit safely. As a result, staff recommends replacement of the unit.

EQUIPMENT PURCHASE JUSTIFICATION FORM
FY2025

REQUEST DATE: ***EXPENSE CODE:*** 5521
PRIORITY CODE: - - ***DEPARTMENT:*** 45

Type of Purchase

	New Equipment/Furniture > $10,000
X	Replacement Equipment/Furniture
	Other:

EQUIPMENT DESCRIPTION:	Fluke 1550KIT
GENERAL SPECIFICATIONS: ***(See attached information)***	5K Insulation Tester Kit Megohmmeter(megger)

ESTIMATED COST (incl taxes, freight)		**Current O&M Cost Information**	**Cost**
Purchase Cost: $7,000		**Current cost of annual repairs:**	
Inflation Adjustment (4%/YR)		**Annual lease/rental cost:**	
Estimated Cost:		**Other O&M Cost:**	
		ANNUAL O&M COST:	
Rounded up to 100's			
Total Estimated Cost:	***$7,000***		

CURRENT/PROJECTED COST W/O EQUIPMENT:		***PAYBACK***		***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)*

O'Neill's current Megohmeter has malfunctioned. The importance of replacing this piece of testing equipment is because we need it for our annual maintenance testing on our unit stator, rotor and exciter. The tester is also used for testing most of our electrical equipment within the plant and along the DMC.

Other options considered during evaluation:

The Megohmeter has been sent in for repairs twice and has most likely reached the end of its life. The unit is over 15 years old.

Conclusion/Recommendation:

It is recommended to purchase a new megger due to the cost of repairs and the life of our existing Megohmmeter.

EQUIPMENT PURCHASE JUSTIFICATION FORM
FY2025

REQUEST DATE: 8/23/2023 ***EXPENSE CODE:*** 5547
PRIORITY CODE: - - ***DEPARTMENT:*** 46

Type of Purchase

X	New Equipment/Furniture > $10,000
	Replacement Equipment/Furniture
	Other:

EQUIPMENT DESCRIPTION:	LWT POTHOG 2000
GENERAL SPECIFICATIONS: (See attached information)	6" hydraulic sludge pump.

ESTIMATED COST (incl taxes, freight)	
Purchase Cost: $6315	
Inflation Adjustment (4%/YR)	
Estimated Cost:	
Rounded up to 100's	6400.00
Total Estimated Cost:	***6400.00***

Current O&M Cost Information	**Cost**
Current cost of annual repairs:	
Annual lease/rental cost:	
Other O&M Cost:	
ANNUAL O&M COST:	

CURRENT/PROJECTED COST W/O EQUIPMENT:		***PAYBACK***		***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)*

We currently have one of these pumps at LBFO and have been using it weekly pumping out T.O. & meter Boxes between the LBFO crew and the CMT crew. We spend numerous days hauling the pump between the two yards. We have been using it at TFF a lot to pump out the silt build up under the stop logs to get them to seal, so we can perform much needed work and at the same time needed it on the DMC to pump out meter boxes. Only having one pump limits us on what we can do.

Other options considered during evaluation:

We have used a Venturi Pump to perform the same task and it does not pick up all the debris or pump the volume of water the Pothog 2000 does. The venturi pump also requires the use of a boom truck anytime we use it and the Pothog does not. A regular Honda trash pump will not pump the debris or the volume either.

Conclusion/Recommendation:

We have been using a Pothog 2000 for the past two years hauling it between the two yards and for how effective the pump is and how much we use it. It would pay for itself in a year by not having to haul it between the two yards. Tracy would have one for any emergency work at TFF, which happens often.

ATTACHMENT 3

Extraordinary OM&R Budget

a. FY2025 Projects Funding Summary Page
b. EO&M Project 10-Year Plan
c. Project Descriptions/Justifications

San Luis & Delta-Mendota Water Authority

EXTRAORDINARY OM&R, EQUIPMENT & VEHICLE RESERVE and CAPITAL IMPROVEMENT PROJECTS

FY 2025 PROJECTS FUNDING SUMMARY

Project Type: EXTRAORDINARY O&M (Fund 26)

Project #	Fac	Project Title	Segment Code	Priority	Labor	Parts/Mat'ls	Contract	Project Contingency	Project Total
E2024001	DCI	Motor Protection Relay Replacement	26-M6	B-2-b	$20,400	$0	$70,000	$18,100	$108,500
M1994022	ONP	Cooling Water System Rehabilitation	26-L0	B-2-b	$71,300	$522,000	$0	$118,700	$712,000
E2024006	JPP	Current Transformer (CT) Upgrade (Units 1 & 4)	26-M12	B-3-b	$24,300	$0	$50,000	$14,900	$89,200
M2024002	JPP	Unit Valve Replacement	26-M10	B-3-b	$177,100	$187,200	$0	$72,900	$437,200
M2015003	JPP	Rehabilitate Coating on Pump Casings & Bifurcation	26-M1	B-3-c	$168,300	$3,000	$618,700	$158,000	$948,000
C2024003	DMC	O&M Road Repair (Full Depth Rehab)	26-M11	B-4-b	$49,800	$0	$590,400	$128,100	$768,300
M2019038	ONP	Sand Filter System Rehabilitation	26-L2	B-4-b	$220,500	$27,500	$60,000	$61,600	$369,600
E2023003	ALL	Electric Vehicle Charging Stations - Phase 1	26-L1	B-4-c	$56,800	$0	$50,000	$21,400	$128,200
E2024002	JPP	Siphon Breaker Communication Upgrades	26-M7	B-4-c	$112,100	$32,300	$0	$28,900	$173,300
E2024003	JPP	Trashrake Controls Modernization	26-M8	B-4-c	$204,900	$44,500	$0	$49,900	$299,300
M2019002	JPP	Sand Filter System Rehabilitation	26-M3	B-4-c	$204,000	$14,000	$164,000	$76,400	$458,400
M2019028	JPP	Plant Flowmetering System Rehabilitation	26-M4	B-4-c	$64,700	$150,000	$80,000	$59,000	$353,700
C2023004	DMC	Underdrain Sedimentation Removal Project	26-L5	B-5-b	$410,600	$3,200	$492,000	$181,200	$1,087,000
M2019044	JPP	Machine Shop Crane Rehabilitation	26-M5	B-5-c	$46,600	$1,000	$47,500	$19,100	$114,200
C2023005	ALL	EO&M Program Management	26-L6	C-6-c	$156,400	$0	$942,000	$219,700	$1,318,100
		EXTRAORDINARY O&M (Fund 26) PROJECT TOTALS:			**$1,987,800**	**$984,700**	**$3,164,600**	**$1,227,900**	**$7,365,000**

Project Type: RESERVE (Fund 26)

Project #	Fac	Project Title	Segment Code	Priority	Labor	Parts/Mat'ls	Contract	Project Contingency	Project Total
S2024001	ALL	SCADA Replacement & Modernization Program (Reserve Fund)	26-D4	B-4-c	$276,100	$78,000	$0	$70,900	$425,000
V1999001	ALL	Heavy Equipment Replacement Program (Reserve Fund)	26-D2	B-5-b	$11,900	$0	$70,000	$16,400	$98,300
V1999002	ALL	Vehicle Replacement (Reserve Fund)	26-D1	B-6-c	$17,500	$0	$142,000	$31,900	$191,400
C2011001	ALL	Facility Infrastructure Replacement/Rehabilitation Program	26-D3	B-7-c	$18,700	$0	$206,000	$45,000	$269,700
E2000004	ALL	Replace Computer/Network Communication Equip (Reserve Fund)	26-D0	C-6-b	$171,100	$136,000	$93,000	$80,100	$480,200
		RESERVE (Fund 26) PROJECT TOTALS:			**$495,300**	**$214,000**	**$511,000**	**$244,300**	**$1,464,600**

FUND 26 FISCAL YEAR TOTALS

Labor	Parts/Mat'ls	Contract	Project Contingency	FY Total
$2,483,100	**$1,198,700**	**$3,675,600**	**$1,472,200**	**$8,829,600**

NOTE: Extraordinary OM&R Reserve Projects are defined as major non-routine maintenance improvements, modifications, replacements or repairs with long term benefits, exceeding one year, that have a total cost greater that $20,000

San Luis & Delta-Mendota Water Authority

EXTRAORDINARY OM&R, EQUIPMENT & VEHICLE RESERVE and CAPITAL IMPROVEMENT PROJECTS

Project Type: SPECIAL FUNDED (Fund 25)

Project #	Fac	Project Title	Segment Code	Priority	Labor	Parts/Mat'ls	Contract	Project Contingency	Project Total
E2009005	JPP	Excitation System & Control Modernization Phase 2	25-F9	B-2-c	$119,300	$0	$5,500,000	$1,123,900	$6,743,200
C2015003	DMC	Subsidence Correction Project	25-I3	B-3-c	$270,200	$0	$17,030,000	$3,460,100	$20,760,300
		SPECIAL FUNDED (Fund 25) PROJECT TOTALS:			**$389,500**	**$0**	**$22,530,000**	**$4,584,000**	**$27,503,500**

FUND 25 FISCAL YEAR TOTALS

Labor	Parts/Mat'ls	Contract	Project Contingency	FY Total
$389,500	$0	$22,530,000	$4,584,000	$27,503,500

	Labor	Parts/Mat'ls	Contract	Project Contingency	Project Total
FISCAL YEAR GRAND TOTAL (Funds 25 & 26):	$2,872,600	$1,198,700	$26,205,600	$6,056,200	$36,333,100

NOTE: Extraordinary OM&R Reserve Projects are defined as major non-routine maintenance improvements, modifications, replacements or repairs with long term benefits, exceeding one year, that have a total cost greater that $20,000

Fund: 26

San Luis & Delta-Mendota Water Authority
EO&M, Reserves & Capital Improvement Projects 10 Year Plan

WORKING DRAFT

EO&M #	Project Title	BIL List	Facility	Priority	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	10 Yr Plan Total
EXTRAORDINARY O&M PROJECTS					*Estimated Project Cost (x $1,000)*										
E2024001	Motor Protection Relay Replacement	☐	DCI	B-2-b	108.5										109
M1994022	Cooling Water System Rehabilitation	☑	ONP	B-2-b	712.0										712
E2024006	Current Transformer (CT) Upgrade (Units 1 & 4)	☐	JPP	B-3-b	89.2										89
M2024002	Unit Valve Replacement	☐	JPP	B-3-b	437.2										437
M2015003	Rehabilitate Coating on Pump Casings & Bifurcation	☑	JPP	B-3-c	948.0	550.0	600.0								2,098
C2024003	O&M Road Repair (Full Depth Rehab)	☐	DMC	B-4-b	768.3										768
M2019038	Sand Filter System Rehabilitation/Replacement	☑	ONP	B-4-b	369.6										370
E2023003	Electric Vehicle Charging Stations Program	☐	ALL	B-4-c	128.2										128
E2024002	Siphon Breaker Communication Upgrades	☐	JPP	B-4-c	173.3										173
E2024003	Trashrake Controls Modernization	☐	JPP	B-4-c	299.3										299
M2019002	Sand Filter System Rehabilitation	☑	JPP	B-4-c	458.4										458
M2019028	Plant Flowmetering System Rehabilitation	☑	JPP	B-4-c	353.7										354
C2023004	Underdrain Sedimentation Removal Project	☐	DMC	B-5-b	1,087.0										1,087
M2019044	Machine Shop Crane Rehabilitation	☐	JPP	B-5-c	114.2										114
C2023005	EO&M Program Management Services	☐	ALL	C-6-c	1,318.1	550.0	550.0	550.0	550.0	550.0	550.0	550.0	550.0	550.0	6,268
E2024005	Standby Generator Transfer Switch: Design & Construction	☐	ONP	B-3-b		112.3									112
C1997002	O&M Road Maintenance Program	☐	DMC	B-4-b		668.0		736.5		812.0		895.2			3,112
M2019022	HVAC System Rehabilitation/Replacement	☑	JPP	B-4-b		400.0									400
M2024001	CCTV Pipeline Inspection & Assessment (Water & Sewer)	☐	TFO	B-4-b		50.0									50
C1994005	Warehouse Building (Design & Construction)	☐	ONP	B-4-c		849.1									849
E2019003	Check Electrical Equipment Rehabilitation	☐	DMC	B-4-c		200.0									200
C2022001	Retaining Wall Rehabilitation	☐	JPP	B-5-b		225.0									225
M2019001	Bridge Crane Rehabilitation	☑	ONP	B-5-c		200.0									200
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
E2022005	Unit Protection Equipment & Control Board Replacement	☐	ONP	B-2-b			140.0	300.0	320.0	340.0					1,100
E2019024	Station Service Backup Battery System Replacement	☑	JPP	B-2-c			300.0								300
E2009004	UPS Battery Replacement	☑	JPP	B-4-b			200.0								200
M2017001	Shaft Sleeve Manufacturing	☑	ONP	B-4-b			315.0	325.0							640
M2019016	Siphon Breaker Valve Control System Rehabilitation	☑	JPP	B-4-c			250.0								250
M2019014	Stoplog Rehabilitation	☑	JPP	B-5-b			500.0								500
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	O&M Complex Pavement Rehabilitation	☑	TFO	B-4-b				250.0							250
E2019025	Plant Security System Upgrades	☑	JPP	B-5-c				225.0							225
C2016001	DMC Road Rehabilitation	☑	DMC	B-4-b					391.0						391
M2019025	100 Ton Gantry Crane Rehabilitation	☑	JPP	B-4-c					450.0						450
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

Fund: 26 ***SL&DMWA 10 Year Plan (EO&M, Reserves & Capital Improvement Projects)*** ***WORKING DRAFT***

EO&M #	Project Title	BIL List	Facility	Priority	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	10 Yr Plan Total
C1996012	Intake Channel Embankment Stabilization	☑	DMC	B-3-b						750.0		2,500.0	2,500.0		5,750
C2019001	Radial Gate Rehabilitation Program	☑	DMC	B-3-c						500.0	800.0	800.0	800.0	800.0	3,700
M2019015	Trashrack Cleaner Rehabilitation	☑	JPP	B-4-c						300.0					300
M2019045	Stub Shaft Crane Rehabilitation	☐	JPP	B-4-c						175.0					175
M2022003	Trashrack Cleaner & Stoplog Crane Rehabilitation/Automation	☑	ONP	B-4-c							750.0				750
M2022004	Check Structure Mech Equipment Rehab/Replacement Program	☑	DMC	B-4-c						600.0					600
C2019005	Penstock/Manifold Interior Coating Rehabilitation	☑	DCI	B-5-b						150.0					150
E2019019	Plant Security System Improvements	☑	DCI	B-5-b						50.0					50
M2019048	Plant Hydraulic System Rehabilitation/Replacement	☐	JPP	B-5-c						325.0					325
E2015003	Arc Flash Study - JPP	☐	JPP	A-1-b							200.0				200
E2022003	Plant Protective Relay Replacement	☑	JPP	B-2-b							300.0				300
C2023003	Recoat Exterior of All Penstocks	☐	ONP	B-4-c							500.0				500
M2010001	Domestic/Potable Waterline Replacement	☐	JPP	B-5-c							500.0				500
E2019001	Pump & Motor Rehabilitation	☑	DCI	B-3-c								259.0	264.0	275.0	798
E2019015	Plant Motor Control Center Upgrades	☑	DCI	B-3-c								150.0	153.0		303
C2019002	Canal Embankment Erosion Protection	☑	DMC	B-4-b								350.0			350
M2019008	Pump Intake Diffuser Panel Rehabilitation/Replacement	☐	DCI	B-4-c								75.0			75
M2019035	Industrial Water Storage Tank Rehabilitation	☐	TFO	B-4-c								125.0			125
M2019041	CA Turnout Slide Gate Rehabilitation/Replacement	☑	DCI	B-4-c								150.0			150
E2019022	Plant Annunciator Modernization	☑	DCI	B-5-b								150.0			150
M2008002	Cooling Water Line Replacement	☑	JPP	B-4-b									400.0		400
E2019006	Current & Potential Transformer Rehabilitation	☐	JPP	B-4-c										250.0	250
	FY TOTALS (x $1,000):				**$7,365.0**	**$3,913.4**	**$3,430.7**	**$2,691.5**	**$2,155.0**	**$4,552.0**	**$3,600.0**	**$6,252.2**	**$4,667.0**	**$1,875.0**	

RESERVE PROJECTS *Estimated Project Cost (x $1,000)*

S2024001	SCADA Replacement & Modernization Program (Reserve Fund)	☑	ALL	B-4-c	425.0	564.8	498.9	451.7	372.9	301.7	262.6	221.9	297.2	166.2	3,563
V1999001	Heavy Equipment Replacement Program (Reserve Fund)	☐	ALL	B-5-b	98.3	10.5	10.8	214.0	318.4	177.8	12.2	247.4	553.2	289.3	1,932
V1999002	Vehicle Replacement Program (Reserve Fund)	☐	ALL	B-6-c	191.4	327.3	337.1	128.2	157.0	442.2	216.0	223.8	116.3	180.5	2,320
C2011001	Facility Infrastructure Replacement/Rehabilitation Program	☐	ALL	B-7-c	269.7	124.5	67.6	139.7	99.9	72.1	157.3	71.6	44.9	181.2	1,229
E2000004	Replace Computer/Network Comm Equip (Reserve Fund)	☐	ALL	C-6-b	480.2	226.4	261.7	290.6	251.5	283.9	293.6	325.7	285.6	271.6	2,971
	FY TOTALS (x $1,000):				**$1,464.6**	**$1,253.5**	**$1,176.1**	**$1,224.2**	**$1,199.7**	**$1,277.7**	**$941.7**	**$1,090.4**	**$1,297.2**	**$1,088.8**	

	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
FUND 26 PROJECTS FY TOTALS (x $1,000):	**$8,829.6**	**$5,166.9**	**$4,606.8**	**$3,915.7**	**$3,354.7**	**$5,829.7**	**$4,541.7**	**$7,342.6**	**$5,964.2**	**$2,963.8**

Fund: 25 ***SL&DMWA 10 Year Plan (EO&M, Reserves & Capital Improvement Projects)*** ***WORKING DRAFT***

EO&M #	Project Title	BIL List	Facility	Priority	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	10 Yr Plan Total
SPECIAL FUNDED PROJECTS									*Estimated Project Cost (x $1,000)*						
E2009005	Excitation System & Control Panel Refurbishment Project	☑	JPP	B-2-c	6,743.2	5,000.0	5,000.0	5,000.0	5,000.0						26,743
C2015003	DMC Subsidence Correction Project	☑	DMC	B-3-c	20,760.3	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	470,760
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		700.0		3,100.0	3,250.0						7,050
E2004002	Unit Rotor & Stator Rewind (All Units)	☑	ONP	B-3-b		422.0	5,070.0	5,222.1	5,378.8	5,540.2	5,706.4	5,877.6			33,217
E2022004	Switchgear Paralleling	☑	JPP	B-3-c		2,500.0									2,500
M1999002	Unit Woodward Governor Replacement (All Units)	☑	ONP	B-4-c		50.0	634.7	653.7	673.3	693.5	714.3	735.7			4,155
M2022001	Pump Bowl Replacement Program (ALL UNITS)	☐	ONP	B-3-b			2,733.3	2,815.3	2,899.8	2,986.8	3,076.4	3,168.7			17,680
M2022002	Pump Assembly & Penstock Rehabilitation Program	☑	ONP	B-3-b			2,005.6	2,065.8	2,127.7	2,191.6	2,257.3	2,325.0			12,973
E2023002	Main Transformer Replacement Project	☑	ONP	B-3-b				215.0	500.0	7,500.0	7,500.0	7,500.0		5,000.0	28,215
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
C1994008	Dredge JPP Intake Channel	☐	JPP	B-4-c								500.0		2,500.0	3,000
M2019030	Design & Install Forebay Trashrack Cleaner & Stoplog Hoist	☑	ONP	B-5-d									200.0		200
	FY TOTALS (x $1,000):				**$27,503.5**	**$60,172.0**	**$65,443.6**	**$70,571.9**	**$71,374.6**	**$70,412.0**	**$70,799.4**	**$70,107.0**	**$50,200.0**	**$57,500.0**	

	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
FUND 25 PROJECTS FY TOTALS (x $1,000):	**$27,503.5**	**$60,172.0**	**$65,443.6**	**$70,571.9**	**$71,374.6**	**$70,412.0**	**$70,799.4**	**$70,107.0**	**$50,200.0**	**$57,500.0**

	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
FISCAL YEAR GRAND TOTALS: EO&M, Reserves & Capital Improvement Projects) (FUNDS 25 & 26)	***$36,333.1***	***$65,338.9***	***$70,050.4***	***$74,487.7***	***$74,729.3***	***$76,241.7***	***$75,341.1***	***$77,449.7***	***$56,164.2***	***$60,463.8***

10 Year Plan Grand Total (x$1,000): ***$666,599.8***

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

Project No.: **E2024001** ***Segment Code:*** **M6-2025** ***Priority:*** **B-2-b**

Facility: DCI ***Project Lead:*** EENG

Project Title: Motor Protection Relay Replacement

Estimated Total Cost: $108,500.00

Labor: $20,400 ***Materials:*** $0 ***Contract Costs:*** $70,000 ***Contingency:*** $18,100

Project Description and Scope:

The goal of the project is to swap out the existing GE motor protection relays with SEL 710-5 Motor Protection Relays from Schweitzer Engineering Laboratories. Direct Replacement Assemblies (DRA), which speed up the switchover between the old and new relays, will be used for the new relays. The settings will be customized to match, with the installation requiring a small amount of unit downtime. Once the SEL relays are in place, support will be available as needed from the manufacturer.

Project Purpose and Background

DMC & CA Intertie Plant (DCI) is a critical facility that allows the delivery of water between the Delta-Mendota Canal (DMC) & the California Aqueduct in either direction when necessary, providing flexibility to delivery options. The existing motor protection relays for the pump units are GE 369 Multilin Relays. In 2024, GE will stop providing support for the relays. The continued protection of the motors is essential to the stability of the pump units. Maintaining the motor protective relays will ensure that the pump units are protected during pump failures.

Project Status:

FY2025 Project - Awaiting approval/funding

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

Project No.: **M1994022** ***Segment Code:*** **L0-2025** ***Priority:*** **B-2-b**

Facility: ONP ***Project Lead:*** MENG

Project Title: Cooling Water System Rehabilitation

Estimated Total Cost: $712,000.00

Labor: $71,300 ***Materials:*** $522,000 ***Contract Costs:*** $0 ***Contingency:*** $118,700

Project Description and Scope:
In order to provide a reliable cooling water system serving the 6 pump units, the piping, valves, strainers, and pumps will be replaced in kind with small improvements incorporated. Work will include the replacement of the 8 existing pumps and kinney strainers utilizing our in-house crews. This work will be performed in a phased manner in order to minimize impact to pump operations.

Project Purpose and Background
The existing ONP cooling water system is over 55 years old. All of the piping and components have exceeded their useful life. In order to provide a more reliable operating cooling water system, the system will be rehabilitated. Note: Reclamation's Federal Replacements Units, Service Lives, Factors (Blue Book), places the service life of water systems at 25 years.

Project Status:
FY2025 Project - Awaiting approval/funding

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

Project No.: **E2024006** ***Segment Code:*** **M12-2025** ***Priority:*** **B-3-b**

Facility: JPP ***Project Lead:*** EENG

Project Title: Current Transformer (CT) Upgrade (Units 1 & 4)

Estimated Total Cost: $89,200.00

Labor: $24,300 ***Materials:*** $0 ***Contract Costs:*** $50,000 ***Contingency:*** $14,900

Project Description and Scope:
The project is to install new current transformers (CTs) for Jones Units 1 & 4 and perform commissioning tests. The new CTs will have higher capacities than the existing CTs. The current CTs have a 1200:5A ratio and will be upgraded to a 4000:5A ratio. Installation of the CTs and wiring modifications will be performed by SLDMWA electricians and C&Is. Protective relay calibration and unit commissioning will be performed by Reclamation TSC. A final report that summarizes the project and unit status will also be provided by Reclamation TSC.

Project Purpose and Background
There is a history of nuisance trips at Jones Pumping Plant, where pump units would trip at startup when the adjacent pump was iin operation. Reclamation TSC investigated and determined that certain current tranformers (CTs) were being oversaturated, which was causing the trips. Their recommendation was to upgrade the specific CTs. To date, Jones Units 2, 3, 5, & 6 have undergone the CT upgrades, and the over saturation issue was resolved. No further nuisance trips have occured with the units with upgraded CTs. Upgrading the CTs will stabilize the performance of the pump units, minimize labor hours spent on troubleshooting, and reduce the wear on the pumps caused by additional pump starts.

Project Status:
FY2025 Project - Awaiting approval/funding

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

Project No.: **M2024002** ***Segment Code:*** **M10-2025** ***Priority:*** **B-3-b**

Facility: JPP ***Project Lead:*** MENG

Project Title: Unit Valve Replacement

Estimated Total Cost: $437,200.00

Labor: $177,100 ***Materials:*** $187,200 ***Contract Costs:*** $0 ***Contingency:*** $72,900

Project Description and Scope:

Replacement in kind of existing Cooling Water Admission valves (6), the Air Vent valves (6), and the Bypass Valves (6) for all units. All 18 valves are alike, but support different systems. The Cooling water admission valves supports cooling water for radiator and stator, the Air Vent valves evacuate air from the unit as part of the Butterfly valve system, and the Bypass Valves operate at Unit startup in support of the butterfly valve. Replacement parts of the existing valves are no longer available. New valves will be upgraded versions of the same valves. This workscope will be executed in a phased manner to minimize impact to plant operations of the 6 pumps.

Project Purpose and Background

The existing cooling water admission valves, air vent valves, and bypass valves that serve the 6 pump units are over 40 years old. These valves have exceeded the anticipated service life for such valves and repair parts for these valves are no longer available. In order to provide reliable functioning valves that can easily be repaired, these 18 valves need to be replaced with upgraded versions of the existing valves.

Project Status:

FY2025 Project - Awaiting approval/funding

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

Project No.: **M2015003** ***Segment Code:*** **M1-2025** ***Priority:*** **B-3-c**

Facility: JPP ***Project Lead:*** MENG

Project Title: Rehabilitate Coating on Pump Casings & Bifurcation

Estimated Total Cost: $948,000.00

Labor: $168,300 ***Materials:*** $3,000 ***Contract Costs:*** $618,700 ***Contingency:*** $158,000

Project Description and Scope:

The rehabilitation of pump and pipeline coating will occur on all 6 of the JPP pumps. Given the cost and impact to plant operations, the work scope will be executed in three (3) phases spanning 3 years by a contractor. The primary work will consist of removing and properly disposing of the existing pump casing and pipeline lining material and then applying a specified lining system per coating manufacturers recommendations. Crack sealing and epoxy injection will also be required to repair the outlet box of the east and west penstocks.

Work is to be executed in a 3-phase approach requiring 2 pumps to be taken out of service for each phase of the project pending an approved outage that will not result in water delivery impacts. It is anticipated that a 100% solids epoxy coating will be utilized, however research and coordination with Reclamation will be conducted to ensure the appropriate new coating is selected.

Project Purpose and Background

The existing coal tar enamel coating of the pump casings and bifurcation pipeline has failed and needs to be replaced in order to preserve the integrity of the pump bowl, and bifurcation pipeline. The bifurcation is the steel mainifold that transitions the 6 pumps to 3 penstocks. In addition, Reclamation has issued several RO&M recommendations specific to the failed coatings. The new coating is anticipated to protect the pump bowl and pipeline for a minimum of 20 years. Also included within this scope is to repair the penstock outlet box with epoxy injection and crack sealing. These repairs have been completed for the center penstock, and are still required in the east and west tubes.

Project Status:

FY2025 Project - Awaiting approval/funding

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

Project No.: **C2024003** ***Segment Code:*** **M11-2025** ***Priority:*** **B-4-b**

Facility: DMC ***Project Lead:*** CIVIL

Project Title: O&M Road Repair (Full Depth Rehab)

Estimated Total Cost: $768,300.00

Labor: $49,800 ***Materials:*** $0 ***Contract Costs:*** $590,400 ***Contingency:*** $128,100

Project Description and Scope:
This project will repair approximately 3.2 miles of the DMC Operating & Maintenance (O&M) road, from milepost 97.68R to milepost 100.85R, which has deteriorated to the point of becoming a safety hazard. The repair method will consist of a Full Depth Reclamation (FDR) by pulverizing the existing chip seal wearing surface in place down to 12 inches of depth, then placing and mixing a predetermined percentage of cement into the upper foot of subgrade. The O&M road is then recompacted and finished with an initial rough grade, then a final grade to ensure a proper slope for drainage. After rehabilitation, a fog seal and double chip seal coat will complete the wearing surface. The alternative option of placing an aggregate base instead of a chip seal will be evaluated during the projects planning phase. A contractor will complete most of the work with the assistance of SLDMWA crews. An engineering consultant will determine the optimum percentage of cement to add and provide testing and inspection services.

Project Purpose and Background
Staff successfully used Full Depth Reclamation (FDR) to rehabilitate the DMC O&M road (MP 100.85R to 101.27R) in 2019. FDR is proposed to be completed on 3.2 miles of failed O&M road from MP 97.68R (Russell Ave) to 100.85R. This stretch of the O&M Road contains numerous failures, including ravels, large-width cracks, potholes, and dips. The large cracks and dips create a driving hazard. Staff has performed spot repairs at numerous locations along this stretch; however, repairs do not last as the subgrade is compromised and requires rehabilitation. The attached report describes the existing conditions of the failed roadway and includes the performance of the roadway previously treated using the FDR method.

Project Status:
FY2025 Project - Awaiting approval/funding

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

Project No.: **M2019038** ***Segment Code:*** **L2-2025** ***Priority:*** **B-4-b**

Facility: ONP ***Project Lead:*** MENG

Project Title: Sand Filter System Rehabilitation

Estimated Total Cost: $369,600.00

Labor: $220,500 ***Materials:*** $27,500 ***Contract Costs:*** $60,000 ***Contingency:*** $61,600

Project Description and Scope:
This project will be for the full rehabilitation of the ONP Sand Filter System. The scope of the rehabilitation will be determined during the design and planning phase, which is currently underway. Staff have explored the options to replace the existing tanks in-kind, or to rehabilitate the existing tanks in place. Due to the geometry of the configuration, both options present significant difficulties. During original installation, the tanks were placed prior to pouring the floor above, making it impossible to install new tanks without significant torching and welding efforts. In addition, the tanks are placed very close together giving little room to complete rehabilitation-in-place within a timely manner. In response to these difficulties, staff is exploring installing a new filter technology that incorporates a much smaller footprint, through a pilot study. The preliminary plan is to install a rotating self-cleaning screen filter at the JPP to test the performance of this system. If successful, the SLDMWA will present the performance results to USBR for consideration as an alternate to the existing sand filter system. The goal is to install a new system better suited to the limited footprint that incorporates redundency allowing for maintenance activities to occur without disrupting service. The work scope will be executed in a phased manner in order to keep the sand filter system functioning and therefore, allowing for continuous operation of the ONP.

Project Purpose and Background
The ONP sand filter system is composed of 5 filter tanks that provide filtered water to the main units. The tanks are 84 inches in diameter and 72 inches tall with 4 inch inlet and outlet piping. The system was placed into service in 1968, and has provided continuous operation for 55 years. The system continues to meet the needs of the ONP, yet has exceeded its expected life cycle. Following the rehabilitation of the sand filter tanks, piping, and critical components, the rehabilitated sand filter system will provide over 20 years of reliable operation. The design and planning phase of the rehabilitation was funded in FY24 and is currently underway.

Project Status:
FY2025 Project - Awaiting approval/funding

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

Project No.: **E2023003** ***Segment Code:*** **L1-2025** ***Priority:*** **B-4-c**

Facility: ALL ***Project Lead:*** EENG

Project Title: Electric Vehicle Charging Stations - Phase 1

Estimated Total Cost: $128,200.00

Labor: $56,800 ***Materials:*** $0 ***Contract Costs:*** $50,000 ***Contingency:*** $21,400

Project Description and Scope:
Two-stall electric vehicle (EV) charging stations will be installed at the Tracy Field Office, O'Neill Pumping Plant and the Los Banos Field Office maintenance facilities to support the upcoming State mandated EV requirements. The design of the stations will be in compliance with all federal, state and local EV charging station requirements. The Water Authority will also work towards developing a comprehensive plan for fleet electrification from compliance and deployment planning to implementation and management of the fleet. Resources will also be aimed at staying up to date with the regulations and applying to grants and exemptions that the Water Authority would be eligible for.

Project Purpose and Background
The California Air Resources Board (CARB) Advanced Clean Fleet regulation is currently requiring that 50% of all vehicles with a gross weight greater than 8,500 pounds that are added to a fleet as of 1/1/2024 must be Zero Emission Vehicles (ZEV). Starting 1/1/2027 they will be requiring 100% of all vehicles be ZEV. If adopted, the SLDMWA will need to be in compliance with this regulation.

Project Status:
FY2025 Project - Awaiting approval/funding

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

Project No.: **E2024002** ***Segment Code:*** **M7-2025** ***Priority:*** **B-4-c**

Facility: JPP ***Project Lead:*** SCADA

Project Title: Siphon Breaker Communication Upgrades

Estimated Total Cost: $173,300.00

Labor: $112,100 ***Materials:*** $32,300 ***Contract Costs:*** $0 ***Contingency:*** $28,900

Project Description and Scope:

The project will consist of removing the deteriorated 125vdc wiring alarming function and add PLC alarming over cellular and point to point back up communications. This work will be completed entirely by in-house crews. The Electric Shop staff will build a new electrical cabinet with PLC, run the necessary wiring, and assist the SCADA staff to align point to point dishes and cellular equipment. SCADA staff will complete the programming and lead the commissioning of the upgrades. The system will be tested to verify full functionality of all alarms prior to decommissioning the existing communications.

Project Purpose and Background

The Siphon House controls and indication system is an integral part of keeping the Jones Pumping Plant and the DMC operating reliably by ensuring that the Control Operations staff have accurate indication to the status and control of the equipment at the Siphon House which is located off-site. It is imperative to keep these systems up and running to avoid unnecessary or unexpected shut downs of the JPP. There has been a deterioration to the condition of the Siphon House equipment indication and controls over the years, resulting in loss of indication of the industrial water tank levels and the siphon breaker positioning. Communication losses have typically occurred during storms and repairs have been completed as quickly as possible while the long term, substantial repairs of the equipment have been deferred. Staff have determined that there is no longer redundancy in the wiring, making quick fixes no longer an option. A long-term solution must be implemented before there is a run to failure event.

Project Status:

FY2025 Project - Awaiting approval/funding

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

Project No.: **E2024003** ***Segment Code:*** **M8-2025** ***Priority:*** **B-4-c**

Facility: JPP ***Project Lead:*** SCADA

Project Title: Trashrake Controls Modernization

Estimated Total Cost: $299,300.00

Labor: $204,900 ***Materials:*** $44,500 ***Contract Costs:*** $0 ***Contingency:*** $49,900

Project Description and Scope:

The JPP Trash Rake Controls Modernization will include the modernization of the PLC hardware, the HMI hardware, and replacement of the panel backplate and internal panel devices. All obsolete equipment will be replaced with modern equipment that will allow integration into the existing SCADA system. Remote functionality and control will be analyzed and implemented to suit the needs of the Control Operators, and provide the best protection and operation of the equipment.

Project Purpose and Background

The JPP Trash Rake is a critical feature of the plant required for the uninterrupted operation of the units. The new trash rake was installed by Reclamation over 13 years ago, and the controls are now obsolete and in need of modernization. Spare parts are no longer available. In the event of a failure, communication equipment will need to be either sent out for repair, or be purchased used from unreliable sources such as Ebay. Neither of these repair options are preferrable for equipment that can reduce the reliability of the Jones Pumping Plant.

Project Status:

FY2025 Project - Awaiting approval/funding

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

Project No.: **M2019002** ***Segment Code:*** **M3-2025** ***Priority:*** **B-4-c**

Facility: JPP ***Project Lead:*** MENG

Project Title: Sand Filter System Rehabilitation

Estimated Total Cost: $458,400.00

Labor: $204,000 ***Materials:*** $14,000 ***Contract Costs:*** $164,000 ***Contingency:*** $76,400

Project Description and Scope:
The rehabilitation of the sand filter system will be a replacement-in-kind of the filter tanks, piping, and critical components. This work scope will be executed in a phased manner in order to keep the sand filter system functioning and therefore, allowing for continuous operation of the JPP. The JPP machine shop crew will be used to support the installation of the new filters.

Project Purpose and Background
The JPP sand filter system is composed of 4 filter tanks. The tanks are 84 inches in diameter and 72 inches tall with 4 inch inlet and outlet piping. The filter tanks have had the media replaced and minor repairs completed to the tanks over the past 65 years. The walls of the tank are deteriorating and will likely start leaking within the next 10 years. Following the replacement of the sand filter tanks, piping, and critical components, the rehabilitated sand filter system will provide over 25 years of reliable operation.

Project Status:
FY2025 Project - Awaiting approval/funding

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

Project No.: **M2019028** ***Segment Code:*** **M4-2025** ***Priority:*** **B-4-c**

Facility: JPP ***Project Lead:*** SCADA

Project Title: Plant Flowmetering System Rehabilitation

Estimated Total Cost: $353,700.00

Labor: $64,700 ***Materials:*** $150,000 ***Contract Costs:*** $80,000 ***Contingency:*** $59,000

Project Description and Scope:
The project will include a complete inspection of all existing components. Each sensor array will be tested and any failing sensors or suspect mounting brackets will be replaced. This work will require onsite support from the manufacturer's (Accusonic) technical representative. The Accusonic technicians will need to bring their calibration equipment and confirm proper alignment and signal strength. The external control panels were recently upgraded and will not require any work, however the housing and shade structure will be inspected and rehabilitated as needed.

Project Purpose and Background
The JPP flow metering system was installed in 2009 and has been very reliable and proven to retain its accuracy over the years. Several sensors have experienced damage from debris, and the redundant sensors have been placed into use leaving the system vulnerable to any future damage or failures. To ensure long term reliability and accuracy it is prudent to replace prior to failure. Accurate water balance of the Delta-Mendota Canal (DMC) is critical, and is dependent upon accurate flowmetering at the headworks of the DMC.

Project Status:
FY2025 Project - Awaiting approval/funding

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

Project No.: **C2023004** ***Segment Code:*** **L5-2025** ***Priority:*** **B-5-b**

Facility: DMC ***Project Lead:*** CIVIL

Project Title: Underdrain Sedimentation Removal Project

Estimated Total Cost: $1,087,000.00

Labor: $410,600 ***Materials:*** $3,200 ***Contract Costs:*** $492,000 ***Contingency:*** $181,200

Project Description and Scope:

This project will clean 19 existing concrete underdrains that route stormwater under the DMC at various locations. Authority staff proposes to contract services from a qualified contractor with specialized equipment, that would assist with cleaning the underdrains through a combination of hydro jetting truck and a vacuum truck system. Hydrojetting uses a high pressure water stream to cut through silt however the large barrels and length of each culvert will require multiple passes to clean. For those culverts that are 4 ft. x 4 ft. and larger, a confined space entry personnel would enter the culvert to remove loosened material from the walls after jetting followed by final jetting. Culverts smaller than 3.5 ft. x 3.5 ft. will require that both a hydrojet and hydrovac be placed at opposite ends of the culvert. Jetted material will be vacuumed and placed in a drying bed.

To accommodate the equipment, staff will be required to perform site modifications such as grading and graveling to provide the vactruck and hydrojetters suitable access to the inlets and outlets of the drains. Site modifications will require equipment operators on grading equipment, material handling equipment, and dump trucks. Additionally, staff will need to perform outreach to affected member agencies and adjacent landowners to gain access to drains which will typically require traveling on private lands where the ROW is narrow. A biological services contract will be required prior to any ground disturbances with the potential of biological monitoring for sensitive areas. Once all the underdrains have been cleared, a PM system will be developed to keep the drains clear and functioning properly.

Project Purpose and Background

During recent inspections associated with the DMC Subsidence project, many underdrains have been identified to be either partially or fully plugged with sediment. Subsidence of the canal has likely contributed to water backing up and resulted in sediment settling out within the drains. Reclamation has stressed the need to have all drains cleaned to allow the design storm flows to pass under the canal because fully functional drains are an assumption of the TSC designers working on the DMC Subsidence Correction Project. Fully functional drains are also required to protect the integrity of the canal and are an O&M activity required in the Transfer Agreement. Due to depths and lengths of the drains, specialized equipment is required to remove the sediment.

Project Status:

FY2025 Project - Awaiting approval/funding

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

Project No.: **M2019044** ***Segment Code:*** **M5-2025** ***Priority:*** **B-5-c**

Facility: JPP ***Project Lead:*** MENG

Project Title: Machine Shop Crane Rehabilitation

Estimated Total Cost: $114,200.00

Labor: $46,600 ***Materials:*** $1,000 ***Contract Costs:*** $47,500 ***Contingency:*** $19,100

Project Description and Scope:
The project will include a complete inspection of the electrical and mechanical components by a contractor with staff support. All suspect or failing equipment shall be replaced. All wear and load bearing components will be checked, and any failing or out of specification parts will be replaced. After the completion of this project, a Quadrennial load test will be performed. The Water Authority has the necessary weights, and will contract with a crane inspection company for certification of crane following replacement of failed components.

Project Purpose and Background
The JPP Machine Shop crane is a 21 ton bridge crane that has both radio and pendant controls. All of the mechanical equipment is original other than the wire rope. The electrical system has had various small updates as equipment fails, but is basically original. The crane is used daily and is critical to the ability of the plant crews to maintain JPP.

Project Status:
FY2025 Project - Awaiting approval/funding

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

Project No.: **C2023005** ***Segment Code:*** **L6-2025** ***Priority:*** **C-6-c**

Facility: ALL ***Project Lead:*** CIVIL

Project Title: EO&M Program Management

Estimated Total Cost: $1,318,100.00

Labor: $156,400 ***Materials:*** $0 ***Contract Costs:*** $942,000 ***Contingency:*** $219,700

Project Description and Scope:
This project would consist of entering into and managing a Professional Services contract with a qualified engineering firm that would provide the following consulting services:

- (PHASE 1 ONLY) Prepare Budgetary/Preliminary Cost Estimates for all the current projects on the SLDMWA EO&M/CIP Project 10-Year Plan. The cost estimates shall be developed consistent with the requirements of Reclamation Standards and Directives (FAC-09-01) - Cost Estimating
- Prepare Budgetary/Preliminary Cost Estimates for any new project(s) added to the SLDMWA EO&M/CIP Project 10-Year Plan. The cost estimates shall be developed consistent with the requirements of Reclamation Standards and Directives (FAC-09-01) - Cost Estimating
- Perform project design and preparation of technical specifications and drawings for the identified approved SLDMWA EO&M/CIP projects. Prepare an engineer's estimate based on the design.
- Perform Project Management services for identified approved SLDMWA EO&M/CIP projects.
- Prepare Project Description and Justification documents along with a detailed up-to-date cost estimate, using the SLDMWA budget submittal format, for each of the proposed projects for the upcoming fiscal year (FY). Prepare and present the proposed EO&M/CIP project budget information to the SLDMWA O&M Technical Committee.

The engineering staff will be required to support the consultant with identifying the project scope parameters, providing design data as requested, coordinating site visits, attending project meetings, and reviewing and approving progress invoices.

Project Purpose and Background
The age of facilities that SLDMWA has O&M responsibility for have significantly increased since the SLDMWA was organized. As of 2023, the Delta-Mendota Canal and Jones Pumping Plant have been in service over 70 years old and the O'Neill Pumping-Generating Plant for 55 years. As such, the number and complexity of the Extraordinary O&M (EO&M) projects over the last several years have significantly increased as well. The existing SLDMWA Engineering Department staff can no longer provide the necessary resources to adequately support both EO&M and Regular O&M programs engineering activities. Staff recommends the engineering support for the EO&M program be performed under a professional services agreement with a multi-disciplinary engineering consultant. The consultant will manage cost estimates and project priorities on the SLDMWA EO&M/CIP 10-Year Plan and perform design services and project management on assigned projects on the 10-Year Plan. This will allow the SLDMWA Engineering Department to properly manage all the Regular O&M Responsiblities with the current staffing levels.

Project Status:
New Project added in FY2025 - Awaiting approval/funding waiting for approval

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

Project No.: **S2024001** ***Segment Code:*** **D4-2025** ***Priority:*** **B-4-c**

Facility: ALL ***Project Lead:*** SCADA

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

Estimated Total Cost: $425,000.00

Labor: $276,100 ***Materials:*** $78,000 ***Contract Costs:*** $0 ***Contingency:*** $70,900

Project Description and Scope:
The SCADA equipment scheduled to be replaced this fiscal year is summarized in the attached 10-year plan. Included in the project is the labor associated with the installation of the new equipment. Note: All recurring annual subscription and maintenance costs are incorporated into the RO&M budget utilizing region 51.

Project Purpose and Background
In FY23, the SCADA System Evaluation project was funded. That project was successful in creating an inventory of the equipment in place, upgrading critical components of the SCADA system and creating this 10-year plan. The 10-year plan is a proactive plan to upgrade and replace hardware in a planned, proactive manner to ensure the SCADA system remains current and reliable with built-in redundancies. PLC's, workstations, modems, servers and switches are included in this 10-year plan. In addition, due to new security requirements by the DOI, Nerc, CIS, and the state of California certain upgrades to the system securities will need to be implemented.

Project Status:
See attached SCADA Modernization 10 Year Plan.

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

Device	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
Hardware (5523)											
PLC's	Obsolete Check PLC's	$35,000.00	$37,500.00	$37,500.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1.00
Computer	Mission critical workstations	$7,500.00	$4,500.00	$3,000.00	$6,720.00	$8,400.00	$5,040.00	$3,360.00	$7,526.40	$9,408.00	$5,644.80
AT&T APN Modems	Air gapping process (Cyber Security)	$11,500.00	$5,000.00	$3,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Workstation with Monitors		$3,500.00	$2,250.00	$0.00	$3,920.00	$3,920.00	$2,520.00	$0.00	$4,390.40	$4,390.40	$2,822.40
Servers		$18,000.00	$12,500.00	$0.00	$8,400.00	$20,160.00	$14,000.00	$0.00	$0.00	$9,408.00	$22,579.20
Laptops		$0.00	$0.00	$4,000.00	$4,250.00	$0.00	$0.00	$4,480.00	$4,760.00	$0.00	$0.00
Switches		$0.00	$0.00	$0.00	$12,000.00	$0.00	$0.00	$3,000.00	$3,000.00	$3,000.00	$3,001.00
Thin Clients and Monitors		$2,500.00	$2,500.00	$2,500.00	$1,850.00	$0.00	$3,000.00	$0.00	$0.00	$0.00	$0.00
	SubTotal:	**$78,000.00**	**$64,250.00**	**$50,000.00**	**$37,140.00**	**$32,480.00**	**$24,560.00**	**$10,840.00**	**$19,676.80**	**$26,206.40**	**$34,048.40**
	20% Contingency:	$15,600.00	$12,850.00	$10,000.00	$7,428.00	$6,496.00	$4,912.00	$2,168.00	$3,935.36	$5,241.28	$6,809.68
	Total w/ Contingency:	$93,600.00	$77,100.00	$60,000.00	$44,568.00	$38,976.00	$29,472.00	$13,008.00	$23,612.16	$31,447.68	$40,858.08

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

Project No.: **V1999001** ***Segment Code:*** **D2-2025** ***Priority:*** **B-5-b**

Facility: ALL ***Project Lead:*** CSUPT

Project Title: Heavy Equipment Replacement Program (Reserve Fund)

Estimated Total Cost: $98,300.00

Labor: $11,900 ***Materials:*** $0 ***Contract Costs:*** $70,000 ***Contingency:*** $16,400

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 Heavy 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	ZEV	Authority Service Life	Forecasted Replacement Year	EQUIPMENT REPLACEMENT COST(FY19$)	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
8078	Flatbed Tilt Trailer	LBFO	2011			20	2025	$70,000	$ 70,000									
662	Forklift (5K lb Capacity) ONP SHOP (DSL)	ONP	1988	√		30	2026	$45,000		$ 45,000								
8050	Lowboy Trailer	LBFO	2007			20	2028	$135,000				$ 135,000						
8052	Flatbed Tilt Trailer	TFO	2007			20	2028	$70,000				$ 70,000						
8068	Boom Truck (26 Ton Capacity)	TFO	2009	√	√	20	2029	$300,000					$ 300,000					
8082	Dump Truck	TFO	2011	√	√	20	2032	$230,000								$ 230,000		
8083	Truck/Tractor	ALL	2012	√	√	20	2033	$160,000									$ 160,000	
8094	Boom Truck	LBFO	2012	√	√	20	2033	$300,000									$ 300,000	
8090	Compact Tracked Loader	TFO	2013	√		20	2033	$85,000									$ 85,000	
8099	Water Truck	TFO	2013	√	√	20	2033	$200,000									$ 200,000	
8100	Dump Truck	LBFO	2013	√	√	20	2033	$230,000									$ 230,000	
8112	Backhoe	LBFO	2016	√		20	2036	$155,000										
8113	Backhoe	TFO	2016	√		20	2036	$155,000										
8126	Water Truck	LBFO	2017	√	√	20	2037	$200,000										
8125	Excavator	TFO	2017	√		20	2037	$350,000										
8065	Forklift (2.5 Ton Capacity) (LPG)	TFO	2009	√		30	2039	$35,000										
8136	Case Magnum 180 Tractor	LBFO	2018	√		20	2039	$180,000										
8072	12' Heavy Duty Disc	TFO	2011			30	2041	$32,000										
8079	Forklift (4000 Lb Capacity) LBFO SHOP (LPG)	LBFO	2011	√		30	2041	$36,000										
8095	Forklift (4K lb Capacity) WH (Electric)	TFO	2013	√		30	2043	$39,000										
8096	Forklift (7.5 Ton Capacity) TFO YARD (LPG)	TFO	2013	√		30	2043	$101,000										
8097	Forklift (10K lb Capacity) LBFO YARD (LPG)	LBFO	2013	√		30	2043	$80,000										
8109	12' Heavy Duty Disc	LBFO	2016			30	2046	$32,000										
8132	Forklift (4K lb Capacity) JPP (Electric)	TFO	2018	√		30	2048	$39,000										
8133	Forklift (4K lb Capacity) SB&Pnt (LPG)	TFO	2018	√		30	2048	$35,000										
8135	Spray Truck (1.25 Ton)	LBFO	2018	√	√	10	2030	$160,000						$ 160,000				
8134	1.5 Ton Service Truck with 2 Ton Hoist	JPP	2018		√	15	2033	$95,000										
8138	Lowboy Trailer	TFO	2018			20	2039	$135,000										
2642	Dozer (w/rippers)	LBFO	1976	√		40	N/A	$300,000										
8152	200 kW Emergency Generator - Trailer Mounted	LBFO	2019	√		40	2044	$150,000										
8151	Long Reach Excavator	LBFO	2019	√		20	2039	$375,000										
8145	Grader (John Deere)	LBFO	2019	√		25	2039	$370,000										
8148	Bobcat	LBFO	2019	√		20	2040	$85,000										
8155	Genie Man Lift (Electric)	TFO	2020			20	2040	$60,000										
8160	Forklift (4K lb Capacity) JPP (LPG)	TFO	2020	√		20	2040	$45,000										
8150	Grader (John Deere)	TFO	2019	√		20	2040	$370,000										
8162	Case Magnum 180 Tractor	TFO	2020	√		20	2040	$180,000										
8157	Mower	LBFO	2020			20	2040	$30,000										
8170	Truck/Tractor	LBFO	2022	√	√	20	2042	$160,000										
8171	Spray Truck (2.5 Ton)	LBFO	2022	√	√	20	2042	$225,000										
2607	Dump Truck-OPP Trash Racks	OPP	1981		√	40	2029	$160,000										
8172	Bottom Belly Dump Trailer	LBFO	2023			25	2048	$70,000										
2630	Dump Truck	LBFO	2000	√	√	20	2022	$180,000										
8173	Front End Loader	LBFO	2023	√		20	2043	$225,000										
666	Forklift (4K lb Capacity) Pigeon Roost (LPG)	ONP	1989	√		30	2028	$35,000					$ 35,000					
								Total	$ 70,000	$ 45,000	$ -	$ 205,000	$ 300,000	$ 160,000	$ -	$ 230,000	$ 975,000	$ -
√ - Emissions regulated by California Air Resources Board (Off Road has bold font)								*# of Equipment Replaced*	1	1	0	2	1	0	0	1	5	0
	Currently CARB Compliant							*3% Inflation Factor per Year*	$ 2,100	$ 2,741	$ -	$ 25,729	$ 47,782	$ 31,048	$ -	$ 61,357	$ 297,154	$ -
	Funds budgeted FY23, equipment not currently available to purchase due to market conditions.							*Yearly Total*	$ 72,100	$ 47,700	$ -	$ 230,700	$ 347,800	$ 191,000	$ -	$ 291,400	$ 1,272,200	$ -
	Denotes FY25 Scheduled Replacements																**Grand Total**	$ 2,452,900

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY
EQUIPMENT REPLACEMENT JUSTIFICATION FORM
FY2025

TILT BED TRAILER ***ESTIMATE COST: $70,000***

EXISTING EQUIPMENT INFORMATION

VEHICLE NO: 8078 **YEAR:** 2011 **AGE (YRS.):** 12

MAKE: Jacobson **MODEL:** T40-40

DEPARTMENT: Civil Maintenance **MAINTENANCE YARD:** LBFO

CURRENT MILES: **PROJECTED HOURS WHEN REPLACED:**

MECHANICS RATING OF VEHICLE: *POOR:* ***X*** *FAIR:* *GOOD:*

DESCRIPTION AND JUSTIFICATION

DESCRIPTION OF EQUIPMENT USE WITHIN THE AUTHORITY:

This trailer is used for moving heavy equipment in support of work on the DMC and other WA Facilities. It is typically used for the moving of the backhoes and front end loaders but is also used in various other capacities to move large loads. Reliable equipment hauling trailers are necessary to support work along the DMC and to support many other WA activities.

REASON (S) FOR REPLACEMENT:

This trailer is 12 years old. The maintenance department has had multiple problems with this trailer and has performed numerous repairs. It is considered unreliable, and needs to be replaced.

The purchase of a used trailer has been evaluated and no used trailers in reasonable condition have been found in our geographical area. The following trailers were located and determined to not be of value to the Water Authority:

1. 1992 40', 20Ton trailer in Washington for $14,750: Poor condition
2. 2008 40', 20 Ton trailer in Virginia for $14,900: Poor condition
3. 2013 40', 20 Ton trailer (non tilt) in Minnesota for $23,500: Good condition, does not meet needs

Date Prepared: 8/22/2023

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

Project No.: **V1999002** ***Segment Code:*** **D1-2025** ***Priority:*** **B-6-c**

Facility: ALL ***Project Lead:*** CSUPT

Project Title: Vehicle Replacement (Reserve Fund)

Estimated Total Cost: $191,400.00

Labor: $17,500 ***Materials:*** $0 ***Contract Costs:*** $142,000 ***Contingency:*** $31,900

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 Program has been met. The purpose of this Reserve Project is to set-aside funding annually for replacement of the Authority vehicles. The 10-Year Replacement Plan will be presented for approval each year.

Project Purpose and Background
The San Luis & Delta-Mendota Water Authority Vehicle Replacement Program 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
FY2025 Frontline Vehicles

			A		B	C	D			E											
Veh No.	FRONT LINE VEHICLE DESCRIPTION	*Vehicle User*	Model Year	Assigned To:	Est. MILEAGE ON 3/1/2024	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$)	Future ZEV	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
				Current Calendar Year (CCY) =	2024	B ÷ (CCY - A)	(150K-B) ÷ C or 15 yrs	Current FY+D or *A + 15 yrs*	B + (E-Current FY) x C	To be reviewed each year	To be updated each year											
8091	Small SUV	Frank R	2013	Safety Officer	138,008	13,801	1	2025	138,008	2025	$36,000		$36,000									
8141	1/2 Ton Pickup	R. Martin	2018	LBFO Canal Operations	130,720	26,144	1	2025	130,720	2025	$41,000		$41,000						$41,000			
8147	3/4 Ton Pickup w/Utility Body[2]	M. Costa	2019	LBFO Canal Operations	128,120	32,030	1	2025	128,120	2025	$65,000	X	$65,000									
8105	1 Ton Utility Truck-Diesel	CMLB	2014	LBFO Civil Maint.	118,615	13,179	3	2027	131,794	2026	$92,000	X		$92,000								
8143	1/2 Ton Pickup. 4WD. Crew Cab	C. Lee	2019	O&M Manager	110,100	27,525	2	2026	137,625	2026	$65,000			$65,000						$65,000		
8062	1/2 Ton Pickup	J. Amaya	2009	TFO Electric Shop	91,062	6,504	10	2024	97,566	2026	$41,000			$41,000								
8153	Mid Size SUV[1]	F. Barajas	2020	Exec. Director	96,000	32,000	2	2026	128,000	2026	$48,000			$48,000						$48,000		
8073	3/4 Ton 4x4 Pickup	Equip. Oper	2011	TFO Civil Maint.	92,200	7,683	8	2026	99,883	2026	$58,000	X		$58,000								
8069	3/4 Ton Pickup	Equip. Oper	2010	TFO Civil Maint.	98,060	7,543	7	2025	105,603	2026	$56,000	X		$56,000								
8131	1/2 Ton Pickup	S. Harris	2018	Watermaster	105,320	21,064	3	2027	126,384	2026	$36,000	X		$36,000							$36,000	
8156	3/4 Ton Pickup w/Utility Body [2]	L. Simonich	2020	TFO Canal Operations	47,900	15,967	1	2025	79,833	2027	$65,000				$65,000							
8165	Sedan[1]	P. Arroyave	2021	COO	75,000	37,500	2	2026	150,000	2027	$38,000				$38,000						$38,000	
8159	Mid Sized SUV [1]	Bob M	2020	Facility O&M Director	56,830	18,943	5	2029	94,717	2027	$48,000				$48,000						$48,000	
8118	1/2 Ton Pickup	Michael F	2017	Mechanical Engineer	55,000	9,167	11	2032	73,333	2027	$41,000				$41,000							
8061	1 Ton Pickup w/Utility Body	JPP	2009	JPP Machine Shop	21,000	1,500	15	2024	24,000	2027	$80,000	X			$80,000							
8081	Small SUV	Dan Nunes	2012	SCADA Engineer	64,400	5,855	15	2027	76,109	2027	$36,000				$36,000							
8110	3/4 Ton Pickup w/Utility Body	A. Jorge	2016	LBFO Civil Maint	106,340	15,191	3	2027	136,723	2027	$65,000	X			$65,000							
8103	3/4 Ton Pickup. 4WD	Robert Huff	2014	LBFO Civil Maint	115,100	12,789	3	2027	140,678	2027	$58,000	X			$58,000							
8158	1/2 Ton Pickup. 4x4	B. Soares	2020	LBFO Civil Maint. Super	76,550	25,517	3	2027	153,100	2028	$45,000					$45,000						
8142	Small SUV	S.Petersen	2019	Water Policy Director	67,000	16,750	5	2029	117,250	2028	$36,000					$36,000						
8033	3/4 Ton Pickup	J. Miller	2006	JPP Machine Shop	80,000	4,706	15	2021	94,118	2028	$56,000	X				$56,000						
8137	3/4 Ton Pickup w/Flat Bed (Spray Truck)	CMLB	2018	LBFO Civil Maint.	63,100	12,620	7	2031	126,200	2030	$80,000	X						$80,000				
8139	1 Ton Pickup w/Utility Body - Diesel	CMT	2018	TFO Civil Maint.	66,300	13,260	7	2031	132,600	2030	$92,000	X						$92,000				
8140	1 Ton Pickup w/Utility Body - Diesel	CMLB	2018	LBFO Civil Maint.	75,300	15,060	5	2029	150,600	2030	$92,000	X						$92,000				
8106	1 Ton Utility Truck - Diesel	D. Ocegueda	2014	TFO Civil Maint.	28,700	3,189	15	2029	44,644	2030	$91,000	X						$91,000				
8111	1 Ton Pickup w/Utility Body	R. Hernandez	2016	LBFO Civil Maint	30,200	4,314	15	2031	56,086	2031	$75,000	X							$75,000			
8149	1 Ton Pickup w/Utility Body - Diesel	CMT	2019	TFO Civil Maint.	52,700	13,175	8	2032	131,750	2031	$92,000	X							$92,000			
8161	3/4 Ton Pickup	M. Garcia	2020	LBFO Civil Maint.	20,500	6,833	15	2035	68,333	2032	$56,000	X								$56,000		
8164	Mid Sized SUV	J. Bejarano	2021	Civil Engineer	23,800	11,900	11	2035	107,100	2032	$43,000									$43,000		
8144	Small SUV	SGMA	2019	Civil Engineer-Ground Water	31,500	7,875	15	2034	102,375	2034	$36,000											$36,000
8167	1/2 Ton Pickup	JPP	2022	JPP Machine Shop	48,100	48,100	3	2027	481,000	2034	$48,000											$48,000
8169	3/4 Ton Pickup w/Utility Body	M. Izoco	2022	Oneill PP	6,660	6,660	15	2037	66,600	2034	$65,000	X										
8168	1/2 Ton Pickup	Y. Suarez	2021	OPP C&I	12,100	6,050	15	2036	66,550	2034	$48,000											
8035	3/4 Ton Pickup w/Utility Body	ESHOP	2006	TFO Electric Shop	92,258	5,427	11	2021	75,977	2022	$40,000											
8034	3/4 Ton Pickup w/Utility Body	ESHOP	2006	TFO Electric Shop	91,420	5,378	11	2021	75,287	2022	$40,000											
8174	1/2 Ton Ext Cab 4X4[2]	P. Nacci	2023	LBFO Canal Operations	18,000	33,000	4	2028	150,000	2023	$40,000					$40,000						
8122	1/2 Ton Pickup[2]	K. Silva	2017	TFO Canal Operations	176,410	29,402	-2	2022	117,607	2023	$27,500					$27,500						
8123	1/2 Ton Pickup[2]	Rodney Huff	2017	LBFO Canal Operations	19,600	3,267	-2	2022	13,067	2023	$27,500					$27,500						
8175	1/2 Ton Ext Cab 4X4[2]	Walsh	2023	LBFO Eng. HT3	18,000	33,000	4	2028	150,000	2023	$40,000					$40,000						
8107	3/4 Ton Pickup w/Utility Body [2]	Hyrdrographer	2016	TFO Canal Operations	165,000	23,571	-1	2023	141,429	2024	$50,000											
8120	Mid Sized Sedan	S. Davis	2017	IT	148,100	24,683	1	2025	123,417	2024	$31,000											
8177	1/2 Ton Pickup	J. Willyard	2023	Operations Supervisor	15,000	24,000	6	2030	159,000	2031	$32,000											
8179	1/2 Ton Pickup	R. Nazabel	2023	TFO Civil Maint.Foreman	10,000	22,000	7	2031	164,000	2032	$32,000											
8176	Small SUV	Jaime M.	2024	Engineering Manager	12,000	20,000	7	2031	132,000	2031	$32,000											
8178	1/2 Ton Pickup[2]	S. Posey	2023	LBFO Canal Operations	15,000	30,000	5	2029	135,000	2029	$33,000											
			45								Total		$ 142,000	$ 396,000	$ 431,000	$ 137,000	$ 135,000	$ 355,000	$ 208,000	$ 212,000	$ 122,000	$ 84,000
											# of Vehicles Replaced		3	7	8	3	4	4	3	4	3	2
											3% Inflation Factor per Year		$ 4,260	$ 24,116	$ 39,965	$ 17,195	$ 21,502	$ 68,889	$ 47,814	$ 56,555	$ 37,182	$ 28,889
											Total Dollar Amount		$ 146,300	$ 420,200	$ 471,000	$ 154,200	$ 156,600	$ 423,900	$ 255,900	$ 268,600	$ 159,200	$ 112,900
											NOTE: Vehicle replacement costs rounded up to the nearest $500.										**Grand Total**	**$ 2,422,500**
											Inflation Adjustment		1.03	1.0609	1.0927	1.1255	1.1593	1.1941	1.2299	1.2668	1.3048	1.3439

Notes:

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
FY24 Funds Budgeted/PO Issued, awaiting delivery
Denotes FY25 scheduled replacements

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY
VEHICLE REPLACEMENT JUSTIFICATION FORM
FY2025

SMALL SUV ***ESTIMATE COST: $36,000***

EXISTING VEHICLE INFORMATION

VEHICLE NO: 8091 **YEAR:** 2013 **AGE (YRS.):** 10

MAKE: Chevrolet **MODEL:** Equinox

DEPARTMENT: Safety Officer **MAINTENANCE YARD:** TFO

CURRENT MILEAGE: 124,100 **PROJECTED MILEAGE WHEN REPLACED:** 131,000

MECHANICS RATING OF VEHICLE: *POOR:* *FAIR:* ***X*** *GOOD:*

DESCRIPTION AND JUSTIFICATION

DESCRIPTION OF VEHICLE USE WITHIN THE AUTHORITY:

This vehicle is used by the Safety Officer. The Safety Officer is responsible for coordinating safety activities associated with the routine and emergency operations at the JPP, OPP, DMC and other WA Facilities.

The Safety Officer is required to be available for call outs on a 24/7 basis. Therefore a highly reliable vehicle is a necessity of this position.

REASON (S) FOR REPLACEMENT:

At the time of replacement, the vehicle will be at approximately 131,000 miles. It will exceed 150,000 miles in FY25; which is one of the replacement criteria for vehicles.

This vehicle will be reassigned to another department as a secondary use vehicle.

INTENDED USE AFTER REPLACEMENT: *REASSIGNMENT TO:* Engineering *SURPLUS:*

VEHICLE TO BE SURPLUSED:

VEHICLE NO: 8101 **YEAR:** 2014 **AGE (YRS):** 9

MAKE: Chevy **MODEL:** Traverse

DEPARTMENT: Engineering **MAINTENANCE YARD:** TFO

CURRENT VEHICLE MILEAGE: 180,000

MECHANICS RATING OF VEHICLE: *POOR:* ***X*** *FAIR:* *GOOD:*

GENERAL NOTE:

Date Prepared: 8/22/2023

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY
VEHICLE REPLACEMENT JUSTIFICATION FORM
FY2025

1/2 TON PICKUP ***ESTIMATE COST: $41,000***

EXISTING VEHICLE INFORMATION

VEHICLE NO: 8141 **YEAR:** 2018 **AGE (YRS.):** 5

MAKE: Ram **MODEL:** 1500

DEPARTMENT: Canal Operations **MAINTENANCE YARD:** LBFO

CURRENT MILEAGE: 109,000 **PROJECTED MILEAGE WHEN REPLACED:** 130,800

MECHANICS RATING OF VEHICLE: *POOR:* ***X*** *FAIR:* *GOOD:*

DESCRIPTION AND JUSTIFICATION

DESCRIPTION OF VEHICLE USE WITHIN THE AUTHORITY:

This vehicle is assigned to LBFO Canal Operations. It is used for routine, daily operations associated with the DMC.

REASON (S) FOR REPLACEMENT:

Due to the high use of vehicles by the Canal Operations department, this vehicle is scheduled for replacement every 5 to 6 years or 150,000 miles. This vehicle will exceed 150,000 miles in FY25.

INTENDED USE AFTER REPLACEMENT: *REASSIGNMENT TO:* *SURPLUS:* ***X***

VEHICLE TO BE SURPLUSED:

VEHICLE NO: **YEAR:** **AGE (YRS):**

MAKE: **MODEL:**

DEPARTMENT: **MAINTENANCE YARD:**

CURRENT VEHICLE MILEAGE:

MECHANICS RATING OF VEHICLE: *POOR:* *FAIR:* *GOOD:*

GENERAL NOTE:

Date Prepared: 8/22/2023

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY
VEHICLE REPLACEMENT JUSTIFICATION FORM
FY2025

¾ TON PICKUP WITH UTILITY BODY ***ESTIMATE COST: $65,000***

EXISTING VEHICLE INFORMATION

VEHICLE NO: 8147 **YEAR:** 2019 **AGE (YRS.):** 4

MAKE: Ram **MODEL:** 2500

DEPARTMENT: Canal Operations **MAINTENANCE YARD:** LBFO

CURRENT MILEAGE: 105,000 **PROJECTED MILEAGE WHEN REPLACED:** 129,000

MECHANICS RATING OF VEHICLE: *POOR:* *FAIR:* ***X*** *GOOD:*

DESCRIPTION AND JUSTIFICATION

DESCRIPTION OF VEHICLE USE WITHIN THE AUTHORITY:

This vehicle is assigned to LBFO Canal Operations. It is used for routine meter repairs and operations associated with the DMC. These functions include but not limited to:

- Routine servicing meters
- Performing flow testing
- Routine operation of the DMC

REASON (S) FOR REPLACEMENT:

Due to the high use of vehicles by the Canal Operations department, this vehicle is scheduled for replacement every 5 to 6 years or 150,000 miles. This vehicle will exceed 150,000 miles in FY25

This vehicle will be reassigned to another department as a secondary vehicle.

INTENDED USE AFTER REPLACEMENT: *REASSIGNMENT TO:* OPP *SURPLUS:*

VEHICLE TO BE SURPLUSED:

VEHICLE NO: 8070 **YEAR:** 2011 **AGE (YRS):** 13

MAKE: Ford **MODEL:** F-250

DEPARTMENT: ES **MAINTENANCE YARD:** TFO

CURRENT VEHICLE MILEAGE: 165,000

MECHANICS RATING OF VEHICLE: *POOR:* ***X*** *FAIR:* *GOOD:*

GENERAL NOTE:

Date Prepared: 8/22/2023

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

Project No.: **C2011001** ***Segment Code:*** **D3-2025** ***Priority:*** **B-7-c**

Facility: ALL ***Project Lead:*** CIVIL

Project Title: Facility Infrastructure Replacement/Rehabilitation Program

Estimated Total Cost: $269,700.00

Labor: $18,700 ***Materials:*** $0 ***Contract Costs:*** $206,000 ***Contingency:*** $45,000

Project Description and Scope:
The projects planned for the Facility Infastructure Replacement/Rehabilitation Program are summarized in the attached 10-year plan.

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 the Delta-Mendota Canal through the transfer agreement. Certain infrastructure, such as the Tracy Field Office, the Los Banos Field Office and the Los Banos Administration Office are in place to provide the necessary office and work space to properly support the O&M of the transferred works. The majority of this infrastructure was constructed in the 1950's and 1960's and the existing buildings at the Tracy Field Office were built in 1996. The purpose of this reserve fund is to fund required repairs/rehabilitation projects as they are needed.

Project Status:
See attached Facility Infrastructure 10 Year Plan.

San Luis & Delta-Mendota Water Authority
Facility Infrastructure 10 Year Plan

	How Often (Yrs)	Est. Cost (x1000)	Year Last Performed	Forecasted Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Tracy Field Office Facilities					$ 200	$ 133	$ 16	$ -	$ 50	$ -	$ 45	$ 21	$ -	$ -
Entire O&M Compound					$ 105	$ 20	$ -	$ -	$ 50	$ -	$ 45	$ -	$ -	$ -
Asphalt Pavement Areas					$ 105	$ -	$ -	$ -	$ 50	$ -	$ -	$ -	$ -	$ -
Seal Coat Surfacing & Striping (incl USBR Lot)	5	41	2017	2022	$ 105				$ 50					
Alarm & Security Systems					$ -	$ 20	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Fire Alarm System Replacement	30	20	2011	2041										
Front Entry Gate - Keypad Replacement						$ 20								
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 (72 Years Old)					$ -	$ -	$ 10	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Roofing Systems					$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Roof Re-seal/Overlay/Replacement	20	15	2021	2041										
Building Interior/Exterior Components					$ -	$ -	$ 10	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Interior Maintenance (Painting)	20	10	2007	2027			$ 10							
Kitchen Remodel	25	15	1980	2005										
Flooring Replacement (Carpet/Tile)	15	20	2007	2022										
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 (28 Years Old)					$ 70	$ 18	$ 6	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Roofing Systems					$ 70	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Roof Repair/Replacement	25	25	1996	2021	$ 70									
Building Interior/Exterior Components					$ -	$ 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										
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										
Adminstration/Electric Shop Building (28 Years Old)					$ -	$ 70	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Roofing Systems					$ -	$ 70	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Roof Repair/Replacement	25	25	1996	2021		$ 70								
Building Interior/Exterior Components					$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Building HVAC					$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Building Fire Protection System					$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Component Replacement (Sprinklers & Detectors)	50	10	1996	2046										
Civil/Vehicle Maintenance Building (28 Years Old)					$ 25	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Roofing Systems					$ 25	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Roof Repair/Replacement	25	25	1996	2021	$ 25									
Building Interior/Exterior Components					$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Building HVAC					$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Building Fire Protection System					$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Component Replacement (Sprinklers & Detectors)	50	10	1996	2046										
Sandblast and Paint Building (22 Years Old)					$ -	$ 25	$ -	$ -	$ -	$ -	$ -	$ 21	$ -	$ -

San Luis & Delta-Mendota Water Authority
Facility Infrastructure 10 Year Plan

	How Often (Yrs)	Est. Cost (x1000)	Year Last Performed	Forecasted Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
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										
Los Banos Field Office & Maintenance Facility					***$ -***	***$ 57***	***$ -***	***$ 87***	***$ -***	***$ 25***	***$ 45***	***$ -***	***$ -***	***$ -***
Entire O&M Compound					***$ -***	***$ 20***	***$ -***	***$ 45***	***$ -***	***$ 25***	***$ 45***	***$ -***	***$ -***	***$ -***
Asphalt Pavement Areas					$ -	$ -	$ -	$ -	$ -	$ 25	$ -	$ -	$ -	$ -
Seal Coat Surfacing & Striping (2009)	10	20	2019	2029						$ 25				
Alarm & Security Systems					$ -	$ 20	$ -	$ 45	$ -	$ -				
Fire Alarm System Replacement (2008)	20	20	2008	2028				$ 20						
Front Entry Gate - Keypad Replacement						$ 20								
Security System Replacement (2008)	20	25	2008	2028				$ 25						
Domestic Water Well					$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Wash Water Recycling System					$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
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 (17 Years Old)					***$ -***	***$ 37***	***$ -***	***$ 42***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***
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					$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Building Plumbing System					$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Kitchen/Lunchroom Remodel	20	18	1992	2012										
TOTALS (x $1000)					$ 200	$ 190	$ 26	$ 87	$ 50	$ 25	$ 90	$ 21	$ -	$ -
3% Inflation Factor per Year (x $1000)					$ 6.0	$ 11.6	$ 2.4	$ 10.9	$ 8.0	$ 4.9	$ 20.7	$ 5.6	$ -	$ -
Yearly Total (x $1000)					***$ 206***	***$ 202***	***$ 29***	***$ 98***	***$ 58***	***$ 30***	***$ 111***	***$ 27***	***$ -***	***$ -***

Yearly Total rounded up to the nearest $1,000

10 Year Grand Total **$ 899**

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

Project No.: **E2000004** ***Segment Code:*** **D0-2025** ***Priority:*** **C-6-b**

Facility: ALL ***Project Lead:*** NETW

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

Estimated Total Cost: $480,200.00

Labor: $171,100 ***Materials:*** $136,000 ***Contract Costs:*** $93,000 ***Contingency:*** $80,100

Project Description and Scope:
The computer/network communication equipment scheduled to be replaced this FY is summarized on the attached 10 year plan. Note: All recurring annual subscription and maintenance costs are incorporated in the RO&M budget utilizing region 51.

Project Purpose and Background
To ensure that the 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, fax machines, printers, office telephone systems, and fuel distribution systems and software 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. Certain Cybersecurity technology was added to the FY24 budget and additional technologies for FY25. Campus security system, workstations, servers, cameras, door and motion sensors and maintenance contracts, (upgrade recently performed by BOR), will also be part of FY25 and beyond.

Project Status:
Reserve Fund - See attached 10-year plan

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

	No. in Use	Life-span (in years)	No. per Year	Cost EA	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	TOTAL	
Computers & Peripherals																	
Computers - workstations	50	5	Note 1	$1,100	$3,300	$3,300	$45,100	$3,300	$3,300	$3,300	$45,100	$5,000	$5,000	$5,000	$55,000	**$176,700**	
Office Open License	50	7		$395	$1,185	EOL										**$1,185**	
Computers - laptops	42	4/5		$2,700	$27,000	$2,700	$13,500	$27,000	$24,300	$5,400	$9,000	$29,700	$27,000	$7,000	$11,000	**$183,600**	
Office Open License	42	7		$395	$3,950	EOL										**$3,950**	
Monitors	69	7	Note 2	$350	$7,000	$7,000	$7,000	$1,050	$1,050	$1,050	$1,050	$7,000	$2,000	$2,000	$7,000	**$43,200**	
Servers	8	5	Note 3		$25,500	$15,000			$25,500	$15,000		$8,000	$26,000			**$115,000**	
VM-Ware				$1,500					$3,000							**$3,000**	
Server OS for Virtual or Upgrade	8			$700	$4,200				$6,000				$12,000			**$22,200**	
CALS for Server or Upgrade	105	5		$36	$3,800				$3,800				$6,000			**$13,600**	
Server Application																	
Exchange and CAL's	1/106			$8,000		EOL											
Office 365 (32 per user per Mo (384))	105	1	Note16	$384			$17,940	$9,750	$9,360	$17,940	$9,750	$9,360	$17,940			**$92,040**	
SQL and CAL's																	
Switches	12	5	Note 4					$15,000				$25,000				**$40,000**	
Backup System(s) Onsite	3	3	Note 5			$20,000			$20,000			$30,000			$35,000	**$105,000**	
Maintenance Renewals		2															
iPad	10	5	Note15	$950	$14,250					$19,000					$30,000	**$63,250**	
Cyber Security			Note17														
Anti-virus/spam software/image software	125	3	Note 6	$70			$8,750			$8,750			$8,750			**$26,250**	
Firewall(s)	2	5	Note 7		$0	$6,000	$0	$17,000		$0	$8,000					**$31,000**	
Cloud Back Up	3	3		$1,885			$5,700			$5,700			$5,700			**$17,100**	
Air Gapped Backup & Archive Device(s)	4	4		$350	$350	$350	$350	$5,800	$350	$350	$350	$5,800	$350	$5,800	$350	**$20,200**	
Training (End User)							$8,000			$8,000			$8,000			**$24,000**	
Penetration Testing (Bi-Annual)						$3,000		$3,000		$3,000		$3,000				**$12,000**	
Intrusion Monitoring Appliance					$40,000	$40,000	$40,000	$48,000	$48,000	$48,000	$48,000	$57,600	$57,600	$57,600	$57,600	**$542,400**	
Multi Factor Authentication			Note 18		$18,000	$18,000	$18,000	$18,000	$18,000	$18,000	$18,000	$18,000	$18,000	$18,000	$18,000	**$198,000**	
Office Equipment																	
Copiers	6	4-7	Note 9			$12,000		$28,000		$6,000						**$46,000**	
Fax Machines	4	10	Note 10				$500				$500					**$1,000**	
Phone System	4	15	Note 11					$15,000	$10,000	$15,000	$15,000	$45,000				**$100,000**	
Handsets						$2,500		$2,500		$2,500		$2,500				**$10,000**	
Printers	25	5-7		$450	$450	$3,600	$450	$3,600	$450	$3,600	$450	$450	$4,500	$1,000	$2,000	**$20,550**	
Plotter	1	10	Note 12	$15,000								$17,000				**$17,000**	
Other Equipment																	
Fuel System	1	10			$35,000										$45,000	**$80,000**	
Campus Security (Support/Maintenance/Parts)			Note 19		$45,000	$45,000	$45,000	$45,000	$45,000	$45,000	$45,000	$45,000	$45,000	$45,000	$45,000	**$495,000**	
				TOTAL	**$228,985**	**$178,450**	**$210,290**	**$242,000**	**$218,110**	**$225,590**	**$200,200**	**$308,410**	**$243,840**	**$141,400**	**$305,950**	**$2,503,225**	$2,503,225
					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	26-D0-10-34	26-D0-10-35		

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.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/updatesthen Purchase 2-year support/update contract and repeal
Note 9: Replace Warehouse copier(s)Tracy, Sacramento,Warehouse, LBAO, LBFO.
Note 10: Replaced the TAO and LBAO fax machines in 2023. Next replacement scheduled 2027. hope to move to Email as a Fax(dependent on insurancw requirements
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 Orde
Note 15: Purchased for STORM 2019/FY20 Estimated 5yr life in outdoor environment Price includes saftey cover/ future use will also include Shepherd Service order systen
Note 16; 3yr licenses. Microsoft has discontinued perpetual lic module for a SaaS model. Cost will increase from $379 per Device for 5-7 years to $384 per user per Y
Note 17: Newly created category that will expand with more line items in future years as technology evovles and matures. And new legal and Insurance requirments are imposec
Note 18: Initial purchase from FY24 RO&M and future multiyear dicounted to be purchased via EO&M 10yı
Note 19: New category/item BOR installing upgraded system- WA required to maintain system after completed. Estimated WAC
EOL = End of Life

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

Project No.: **E2009005** ***Segment Code:*** **F9-2025** ***Priority:*** **B-2-c**

Facility: JPP ***Project Lead:*** EENG

Project Title: Excitation System & Control Modernization Phase 2

Estimated Total Cost: $6,743,200.00

Labor: $119,300 ***Materials:*** $0 ***Contract Costs:*** $5,500,000 ***Contingency:*** $1,123,900

Project Description and Scope:
This project will replace the existing rotating direct current excitation system with a static-type excitation system that includes automatic Volt-Amperes Reactive Power (VAR) control on each of the six (6) main pumping units allowing more accurate control of VARs during unit operation. Work will also include replacing the existing unit control boards with new walk-in control panels, installation of a new PLC based control system, new protective relays, along with all of the components contained within and on the cabinets. The new control panels will have a new annunciator, new control switches and relays and a new HMI (Human Machine Interface). The SCADA control boards will also be upgraded to include a new PLC for improved indication and control of the plant. Work will be completed by a contractor, and the Water Authority intends to hire a consultant to manage the construction contract.

Project Purpose and Background
The JPP Excitation Cabinet and Control Panel Refurbishment Project was created due to the age of the unit excitation system and supporting control and protection systems, as well as, the lack of support from the component manufacturers. The Water Authority has been experiencing unit trips at startup related to the excitation control system since 2015, further justifying the critical need of the project. As a result of the multiple troubleshooting exercises during unit trips, the Water Authority has depleted the majority of the excitation system spare parts inventory. Due to the age of the excitation system, manufacturer support and replacement parts are no longer available. Any excitation failure will now result in an extended unit outage. This project is needed to retain operational reliability of the JPP units.
In 2018, the Water Authority contracted with Reclamation's Technical Services Center (TSC) to complete the design for the Project. To date, the design is at 90%, with the 100% expected by the end of the year. The deliverables from TSC will include the Project technical specifications, drawings, and final construction cost estimate. Upon receiving the 100% design package, the Water Authority will prepare contract documents, solicit contractors and award and manage the Project construction contract. The recently awarded $25 million through BIL will be utilized to see this project through final construction which is estimated to take three years. The excitation system replacement and associated upgrades will be completed sequentially, progressing to the next unit immediately upon completion of the previous unit. The unit order of the excitation system replacement will be determined based upon the system performance record analyzed prior to award of the construction contract and will be subject to change if the system performance warrants an order change.

The age of the components in the cabinets have created the following conditions: wires/conductors are old and brittle and too short to relocate, screw heads are worn and difficult to tighten and the ice cube relays are not rated for the job they are performing. The ceiling wiring troughs of the control panels also need to be redesigned to accommodate new wiring paths.

Project Status:
FY2019 Project - Awaiting approval/funding.

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

Project No.: **C2015003** ***Segment Code:*** **I3-2025** ***Priority:*** **B-3-c**

Facility: DMC ***Project Lead:*** CIVIL

Project Title: Subsidence Correction Project

Estimated Total Cost: $20,760,300.00

Labor: $270,200 ***Materials:*** $0 ***Contract Costs:*** $17,030,000 ***Contingency:*** $3,460,100

Project Description and Scope:
Final design is planned to be underway during FY25. Construction packages #1 (Upper DMC Rehabilitation) and #3 (High Priority Bridges) are the first priority. TSC will be designing the construction package #1, and the Water Authority will be utilizing a private consultant to design the remaining packages. The Water Authority will continue to support the design efforts with coordination meetings, data gathering, operational information, and various field visits. The Water Authority will also manage an agreement for Bridge Foundation Design Recommendations to be utilized by TSC and the private consultants in their design of bridges and pipe crossing replacements. It is assumed that the Water Authority will be entering into a Professional Services Agreement for the overall management of the DMC Subsidence Correction Project as the project will be in various stages of planning and design and the extra support is critical for the success of the project. The consultant will also be utilized to assist with grant management of the USBR Cooperative Agreement, BIL funding, and the DWR grant.

Project Purpose and Background
The main purpose of the DMC Subsidence Correction Project is to restore the capacity of the Delta-Mendota Canal in order to meet Reclamation's contract delivery requirements. To date, preliminary studies have been completed and the Feasibility study, and Geotechnical Investigation Phases 2-4 are underway and anticipated to be wrapped up by the end of 2023. Final Design will be the primary focus the next two years. Final Design is anticipated to be split into 7 different construction packages, and phased in order of priority. The proposed construction packages include the following; 1. Upper DMC Rehabilitation, 2. Lower DMC Rehabilitation, 3. Replacement of High Priority Bridges, 4. Modifications of Check Structures, 5. Replacement of Pipe Crossings, 6. Replacement of Medium Priority Bridges, and 7. Replacement of Low Priority Bridges.

Project Status:
FY2025 Project - Awaiting approval/funding

ATTACHMENT 4

EO&M/CIP Project Carryover Information

SAN LUIS DELTA-MENDOTA WATER AUTHORITY
FUND 26 EOM RESERVE FUNDING STATUS @ 08/31/2023

Actual Expenses Through 08/31/23
FUND 26

Projected	**3/1/98 - 2/28/24**	**Estimated Cumulative E O&M Reserve Funding**	**$**	**59,790,350.00**
		Estimated Cumulative E O&M Reserve Funding Interest Earnings/Other	**$**	**1,285,082.58**
		Total Estimated Cumulative Reserve Funding	**$**	**61,075,432.58**

Total Estimated Cumulative Reserve Funding	**$**	**61,075,432.58**
Less Estimated Amount Allocated to Emergency Reserve through 2/28/23	**$**	**(2,214,945.85)**
Estimated Reserve Funding Available for E O&M Project Expense through 2/28/23	**$**	**58,860,486.73**
Cumulative E O&M Project Expense through 8/31/23	**$**	**(43,428,344.86)**
Estimated Remaining Expense for Open EO&M Projects through completion	**$**	**(14,822,055.20)**
***Estimated Excess Cumulative Reserve Funding Available @ 08/31/23**	**$**	**610,086.67**

*Estimated Excess Collections to Levelize Future Reserve Funding Obligations

Updated 11/01/23
R Tarka

FY24 - 2nd Qtr Report
As of Date: August 31, 2023
Updated by: Dratliff
Date Updated: 11/01/23 by DR & x/xx/xx by BM, JM & RT

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY
EXTRAORDINARY O & M PROJECTS BUDGET TO ACTUAL (by fiscal year) REPORT

Acct Code	Fund 26	Project Description	Total Project Expended To date	Total Remaining for Project	Estimated Remaining Expense for Currently Funded Projects	Anticipated USBOR/DWR Reimbursements	Estimated E,O&M Fund/Project Running Balance	Comments
		Completed Projects Remaining Balance:		**(806,707.05)**			**(806,707.05)**	
5523	D0	Replacement Computer/Network Comm. Equip	**1,113,701.09**	**625,853.91**	**625,853.91**		**(180,853.14)**	Reserve Project, funds to remain
5541	D1	Replacement Vehicles	**2,681,674.53**	**481,064.91**	**481,064.91**		**300,211.77**	Reserve Project, funds to remain
5544	D2	Purchase New Heavy Equipment	**5,022,868.31**	**610,330.47**	**610,330.47**		**910,542.24**	Reserve Project, funds to remain
7226	D3	ALL-Facility Infrastructure Replacement	**423,993.73**	**803,406.27**	**803,406.27**		**1,713,948.51**	Reserve Project, funds to remain
	D4	SCADA Replacement & Modernization Program	**32,266.25**	**576,433.75**	**576,433.75**		**2,290,382.26**	Reserve Project, funds to remain
	E1	TFO/LBFO/DCI Arc Flash Study	**146,280.00**	**100,477.00**	**100,477.00**		**2,390,859.26**	Project in Progress
7012	E6	DMC O&M Road Maintenance Program	**853,815.08**	**623,817.92**	**315,000.00**		**3,014,677.18**	Project Complete. Final Billing not completed
	F4	JPP Unit Rewind (Rotor & Stator) (Unit 2 Labor Only)	**879,288.12**	**858,511.88**	**858,511.88**		**3,873,189.06**	Project in Progress
7209	F9	Excitation Cabinet & Control Panel Refurbishment ($500K to be reallocated)	**1,093,856.07**	**1,966,213.93**	**1,966,213.93**		**5,839,402.99**	Project in Progress
	G3	Main Transformer Rehabilitation	**1,198,256.82**	**4,712,243.18**	**4,712,243.18**		**10,551,646.17**	Project in Progress
	H0	JPP Domestic Water Treatment Plant Replacement	**65,728.01**	**252,871.99**	**252,871.99**		**10,804,518.16**	Project in Progress
	H3	DCI Fire Protection System Assessment	**38,144.18**	**3,855.82**	**-**		**10,808,373.98**	Project Complete
	H4	JPP Fire Protection System Assessment	**66,532.38**	**16,267.62**	**-**		**10,824,641.60**	Project Complete
	H5	ONP Fire Protection System Assessment	**66,375.84**	**17,524.16**	**-**		**10,842,165.76**	Project Complete
	I3	DMC Subsidence Correction Preliminary Assessment	**4,176,469.80**	**(1,564,369.80)**	**(1,564,369.80)**	**2,447,721.00**	**9,277,795.96**	Project in Progress (Grant invoicing to occur to USBR & DWR)
	I4	DMC Bridge Abutment Repair at MP 92.73	**-**	**507,000.00**	**507,000.00**		**9,784,795.96**	Project in Progress
	I6	DMC Turnout Flowmeter Upgrade	**491,607.78**	**284,592.22**	**284,592.22**		**10,069,388.18**	Project in Progress
	J1	JPP Purchase Wear Rings	**-**	**326,400.00**	**326,400.00**		**10,395,788.18**	Project Deferred, funds to remain
	J2	ONP Pump Bowl Replacement (Design)	**31,007.22**	**1,921,092.78**	**1,921,092.78**		**12,316,880.96**	Project in Progress
	J4	ONP Penstock Cathodic Protection System	**153,257.34**	**27,342.66**	**-**		**12,344,223.62**	Project Complete
	J5	ONP UPS Battery Charging System	**8,667.86**	**93,232.14**	**93,232.14**		**12,437,455.76**	Project in Progress
	K0	ONP Station Service Backup Battery System Replacement	**2,830.07**	**126,869.93**	**126,869.93**		**12,564,325.69**	Project in Progress
	K1	JPP Concrete Slab by Trashrake Dumpster	**22,000.00**	**466,600.00**	**466,600.00**		**13,030,925.69**	Project in Progress
	K2	DCI HVAC System Rehab/Replacement	**-**	**99,400.00**	**99,400.00**		**13,130,325.69**	Project Deferred, funds to remain
	K5	SCADA System Evaluation	**114,050.14**	**56,749.86**	**56,749.86**		**13,187,075.55**	Project in Progress
	K6	ONP Accusonic Flowmeter Console Upgrades	**171,366.90**	**5,833.10**	**-**		**13,192,908.65**	Project Complete
	L0	ONP Cooling Water System Rehabilitation Design	**-**	**332,100.00**	**332,100.00**		**13,525,008.65**	Project in Progress. Note: $110,800 has been taken from this project and will be used to fund contract for L3 ONP Plant Water Storage Tank Rehabilitation (approved by FAC Oct 2023)
	L2	ONP Sand Filter System Rehabilitation Design	**-**	**382,100.00**	**382,100.00**		**13,907,108.65**	Project in Progress
	L3	ONP Plant Water Storage Tank Rehabilitation	**960.50**	**108,239.50**	**108,239.50**		**14,015,348.15**	Project in Progress
			43,428,344.86	**14,822,055.20**	**14,442,413.92**	**2,447,721.00**	**14,015,348.15**	
CIP	Fund 25							
	F4	Unit Rewind - Phase 6 (USBR Funding)	**27,980,418.49**	**6,750,565.51**	**6,750,565.51**	**6,750,565.51**	**-**	Project in Progress, funds to remain
	F9	Excitation Cabinet * Control Panel Refurbishment	**15,332.60**	**1,799,567.40**	**1,799,567.40**		**1,799,567.40**	Project in Progress, funds to remain
	I3	DMC Subsidence Correction Project	**15,578.50**	**2,282,121.50**	**2,282,121.50**		**4,081,688.90**	Project in Progress, funds to remain
			30,769,196.12	**10,832,254.41**	**10,832,254.41**	**6,750,565.51**	**4,081,688.90**	

ATTACHMENT 5

WY2023-2024 Rate Comparison

San Luis & Delta-Mendota Water Authority

Illustration - SLDMWA Components ONLY
Special Budget Workshop
YOY CHANGE in OM&R Budget; Does not include changes in WY24 SJU or PUE

WATER SUPPLY	WY 2023 Rate 3/1/23-2/28/24 Current	WY 2024 Rate 3/1/24-2/28/25 Illustration Only	VARIANCE WY24 compared to WY23
Irrigation	100%	100%	
M&I	100%	100%	
M&I (SCVWD)	100%	100%	
Refuge	100%	100%	
Exchange/Water Rights	100%	100%	
RATES			
Upper DMC	$14.89	$15.52	$0.63
Upper DMC - Exchange/Wtr Rts	$13.59	$14.13	$0.54
Lower DMC/Pool	$17.93	$18.40	$0.47
Lower DMC/Pool - Exchange/Wtr Rts	$16.63	$17.01	$0.38
San Felipe	$14.46	$15.12	$0.66
SLC Above Dos Amigos	$23.21	$23.97	$0.76
SLC Below Dos Amigos	$28.91	$29.57	$0.66
San Luis Drain	$.09	$.06	($0.03)

WY23 & WY24 Supply Assumptions: Includes WY23 Base Supplies at above %, Rescheduled Water, Transfers, MP Exchanges, Upper & Lower Pump-ins

Costs Included: WY24 - Proposed OM&R Budget for WY24/FY2025

MEMORANDUM

TO: Finance & Administration Committee Members, Alternates

FROM: Pablo Arroyave, Chief Operating Officer

DATE: November 9, 2023

RE: Recommendation to Board of Directors to Approve the Proposed Fiscal Year (FY) 2025 OM&R Budget, including Routine OM&R and Extraordinary OM&R/Capital Improvement Project (CIP) Budgets

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BACKGROUND

The proposed OM&R Budget is first reviewed with the Operations & Maintenance Technical Committee (OMTC). Next, the OM&R Budget is reviewed with the Finance & Administration Committee. Per Article 12 A of the SLDMWA Transfer Agreement: "Not later than ninety (90) days before the start of each Year, the Authority shall submit to each Water Delivery Contractor, and all Parties Entitled to Utilize or Receive Other Water, the proposed budget for the next Year for all activities of the Authority to be carried out under this Agreement. … The Authority shall afford each Water Delivery Contractor and all Parties Entitled to Utilize or Receive Other Water the opportunity to submit comments on such proposed budget by sixty (60) days before commencement of the Year." Subsequently, the proposed budget will be considered by the San Luis & Delta-Mendota Water Authority Board of Directors.

The OMTC met on October 16, 2023 and reviewed the proposed FY2025 OM&R budget in detail and participating committee members recommended approval of the FY2025 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 less than eight members were present, no formal recommendation was made.

The proposed FY2025 OM&R budget is $25,418,391. The major budget components include the following:

- Routine OM&R Budget: **$16,598,420** (includes $477,971 for USBR contract)
- Extraordinary OM&R Budget: **$8,819,971**
- CIP Budget: **$0**

In conjunction with the OM&R budget, staff is proposing the addition of two new positions: a Computer Technician (to support the IT Officer) and an Accountant III (to support the Director of Finance). Position justification for the Computer Technician and Accountant III positions are provided in Attachment 2.b.

The proposed FY2025 OM&R Budget also includes a placeholder for salary increases of 3.8%. The Water Authority salary policy 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 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 3.8% based on the August CPI of 3.7% and September CPI of 3.9%. Staff informed the OMTC of the 3.7% CPI for August and noted a placeholder of 3.0% was used as salary placeholder in the budget package submittal.

ISSUE FOR DECISION

Whether the Finance & Administration Committee should recommend the proposed FY2025 OM&R Budget for consideration to the Board of Directors.

RECOMMENDATION

Staff recommends the proposed FY2025 OM&R Budget for consideration.

BUDGET DETAILS

The proposed FY2025 OM&R Budget of $25,418,391 is 4.15% below the FY2024 OM&R Budget of $26,519,903. The total proposed self-funded portion paid by the water users is $24,940,421 which is a decrease of 5.66% from the FY2024 budget. The RO&M portion of the budget decreased by 7.91%. The EO&M portion of the budget increased by 42.30% and the Capital Improvement Projects (CIP-USBR Funded) budget was decreased by 100% attributable to the approval of Bipartisan Infrastructure Law (BIL) funding for the two projects.

The full comparison summary between the proposed FY2025 OM&R Budget and the Board-adopted FY2024 OM&R Budget is provided in **ATTACHMENT 1**.

Proposed FY2025 Routine OM&R Budget

The Routine OM&R Budget line-item detail and the rationale for variances in line-item budgets greater than 5% is described in **ATTACHMENT 2.a** to this memorandum. In addition, **ATTACHMENT 2.b** includes FY25 organization chart, staffing levels, and new position justifications, and **ATTACHMENT 2.c** includes proposed special projects/purchases for parts/materials, equipment, and services that are funded through the Routine OM&R Budget.

Proposed FY2025 Extraordinary OM&R/CIP Budget

The Extraordinary OM&R/CIP Budget includes the following projects, as broken down by major category (see **ATTACHMENT 3** for additional detail):

- Extraordinary OM&R Projects – 15 line items, total of $8,819,971
  - Projects for O'Neill Pumping-Generating Plant, Intertie Pumping Plant, Jones Pumping Plant, plus phase 1 of an Electric Vehicle Charging Stations project and EO&M Program Management

- Reserve Categories – 5 categories, total of $1,464,800
- No budget is requested for Special Funded Extraordinary OM&R/CIP Projects in this proposal due to BIL funding

Relative to the Extraordinary OM&R/CIP Budget, it has long been the Water Authority's practice to carryover EO&M/CIP funds for reserve, EO&M, or CIP projects that have a delayed start, take place over multiple years, or for budgeted replacements (replacements often do not occur until the equipment fails). In June 2023, details regarding this practice and the status of reserve funding were presented to the Finance & Administration Committee.

ATTACHMENT 4 provides an update on the carryover EO&M/CIP funds for reserve, EO&M, and CIP projects. Based on the expenditures-to-date through August 31, 2023 for each of the active EO&M/CIP Projects, the projected carryover balance is $610,087. Relative to FY2025, staff recommends the carryover of funds from previous fiscal year Extraordinary OM&R/CIP budgets.

ATTACHMENTS

1. FY2025-FY2024 Budget Comparison Summary Page
2. Routine OM&R Budget
    a. Routine OM&R Budget line-item variances greater than 5% explanation
    b. Staffing Information
        - FY2025 Organization Chart
        - Staffing Levels
        - New Position Justifications
    c. Special Projects Justifications
        - Parts & Materials
        - Equipment
        - Services
3. Extraordinary OM&R Budget
    a. FY2025 Projects Funding Summary Page
    b. EO&M Project 10-Year Plan
    c. Project Descriptions/Justifications
4. EO&M/CIP Project Carryover Information

ATTACHMENT 1

FY2025-FY2024 Budget Comparison Summary

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY

FY2024 APPROVED, PROPOSED FY2025 TOTAL BUDGET SUMMARY

O&M Budget Summary	Approved FY24 Budget A	Proposed FY25 Budget B	% Change FY24 - FY25 (B-A)/A
Routine O&M (Water Users)	$ 17,940,253	$ 16,120,450	-10.14%
USBR Funded O&M (Service Contract)	$ 83,950	$ 477,971	469.35%
TOTAL (Water Users & USBR)	**$ 18,024,203**	**$ 16,598,420**	**-7.91%**
Extraordinary O&M (Water Users)	$ 6,198,000	$ 8,819,971	42.30%
Capital Improvements Projects	$ 2,297,700	$ -	-100.00%
TOTAL (EO&M/CIP)	**$ 8,495,700**	**$ 8,819,971**	**3.82%**
TOTAL (includes Service Contract)	**$ 26,519,903**	**$ 25,418,391**	**-4.15%**
Total Self Funded Budget (Water Users, excludes Service Contract)	**$ 26,435,953**	**$ 24,940,421**	**-5.66%**

NOTE:
The SLDMWA received approval on Bipartisan Infrastructure Law (BIL) funding applications for the DMC Subsidence Correction Project and the JPP Excitation Cabinet and Control Panel Refurbishment Project. Each project was awarded $25M. Both of the projects are multi-phased and multi-year projects. As a result of this funding, there will be no funding requested in FY25 for either of these projects. Repayment of this funding will be addressed separately.

ATTACHMENT 2

Routine OM&R Budget

a. Routine OM&R Budget Line Detail Comparison
b. Staffing Information
    - FY2025 Organization Chart
    - Staffing Levels
    - New Position Justifications
c. Special Projects Justifications
    - Parts & Materials
    - Equipment
    - Services

BUDGET LINE ITEM DETAIL COMPARISON

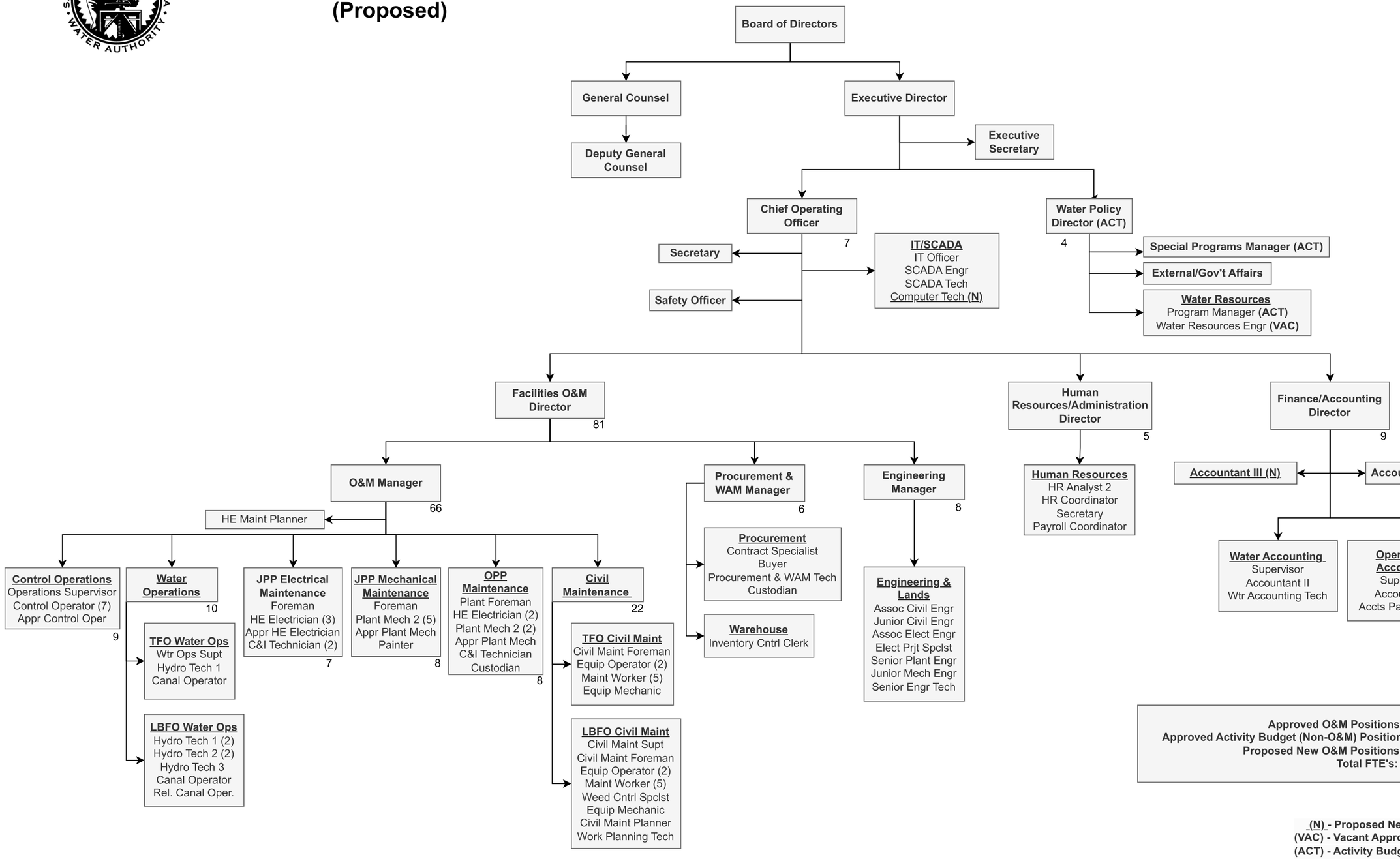
Adjusted Routine O&M (RO&M) Budget decrease of 7.91% or $1,425,783

Parts, Materials and Services ($418.4K increase)

- Office Services and Supplies increased $15.1K (26.10%)
  - Increase in Maintenance Contract costs for Department 10
- Clothing, Personal Protective Equipment (PPE) increased $5.2K (10.14%)
  - Requirement for arc-flash rated clothing
  - Safety boot allowance raised to $200/year
  - One-time $2K expense for SLDMWA hats per QIC agreement
- Janitorial Supplies and Services increased $900 (7.17%)
  - Increased to better match existing
- Engineering Consultant decreased $18.5K (-10.91%)
  - Decreased due to most of the surveying costs being covered under the EO&M budget
- Auditing Increased $9K (18.00%)
  - $9K expense for assistance with development of indirect cost (Dept 20)
- Legal increased $39.5K (36.07%)
  - Adjusted to match current projects
    - Increase in Dept 10 of $31.5K (Kronik and Diepenbrock)
    - Increase in Dept 30 of $3K (Kronik)
    - Increase in Dept 50 of $5K (Diepenbrock for Legal review of contract temples)
- Other Professional Services increased $76.7K (20.28%)
  - Increase in Dept 10 of $29.8K (Network Cyber Security Services and SCADA Professional Services)
  - Increase in Dept 30 of $45K (Salary Survey)
- Fees and Licenses increased $1.4KK (6.39%)
  - Increase to Dept 10 due to EPA and HazMat annual fees
- Other Services and Expenses increased $59.5K (13.43%)
  - Increased expenses in Dept 10 for SCADA Cyber Security, SCADA Software Maintenance, SCADA MMI Comprehensive Support and Tuition Reimbursement
  - Increase in Dept 50 of $10K for document shredding services
- Computer Software increased $20.2K (33.39%)
  - Increase due to expenses in Dept 10 for mobile device management software ($17.5K)
- Rents/Leases – Office Machines and Equipment increased $360 (12.24%)
  - Increase in rental fee for stamp machine at LBAO (Dept 05)

- Professional organization dues increased $1.3K (19.772%)
    - Minor membership dues increase for Depts 30 and 40
    - Two new memberships for Dept 50 for Public Procurement Association
- Employee and Group Meetings – Increased $4.2K (14.24%)
    - Increase due to Dept 30 meeting expenses
- Parts/Materials – Vehicle/Construction Equipment increased $5K (5.88%)
    - Increase due to anticipated increase in the cost of vehicle and equipment parts and materials
- Petroleum, Oil, and Lubricants – Increased $125.5K (43.99%)
    - Increase due to anticipated increase in the cost of diesel, unleaded and propane fuels based on our three-year average fuel consumption and the current cost of $5.50 per gallon of gasoline and $6.30 for a gallon of diesel
- Outside Services – Vehicle/Construction Equip – increased $3.9K (5.06%)
    - Increase due to anticipated increase in the cost of these services for vehicle and equipment repairs
- Parts/Materials - Bldg., Grounds, Mech, and Equip. decreased $36.3K (-6.79%)
    - Decreased to better match existing
- Outside Services – Facilities and plant equipment increased $39.4K (14.62%)
    - Primary increase due to DCI transformer HV Bushing Replacement (Special Project) in Dept 60
- Pipe, metal, and Treatments – increased $11.2K (20.11%)
    - Increase due to anticipated increases in the cost of steel, pipe, and paint for repair projects in Depts 42, 44, 45, and 46
- Sand, Backfill & Rock - increased $3.5K (12.50%)
    - Increase due to materials cost for graveling O&M road to several turnouts on unpaved side of DMC
- Chemicals - increased $9.4K (6.09%)
    - Increase due to anticipated surge in the cost of chemicals for weed, rodent, and water treatment
- Telephone Expenses – increased $30.9K (26.44%)
    - Increased budget in Dept 10 for SCADA DMC Check Structure cellular phone service ($10K) and telephone and cellular service plans ($24K)
- New/Replacement Equip and Furniture – Decreased $7.9K (-5.21%)
    - Decreased to better match existing
- Computer Hardware – Increased $14K (73.68%)
    - Increased due to new line item for SCADA Misc not covered under EO&M
- **<u>Equipment/Capital Asset Purchases</u>**
    - Net increase from FY24 of $25.5K (14.02%), see justification

SLDMWA FY 2025 Organization Chart (Proposed)



Approved O&M Positions:	105
Approved Activity Budget (Non-O&M) Positions:	3
Proposed New O&M Positions:	+ 2
Total FTE's:	110

(N) - Proposed New Position
(VAC) - Vacant Approved Position
(ACT) - Activity Budget Position
HE - Hydro Electric

2.b Staffing Levels

Summary of Assumptions and Considerations

Proposed OM&R positions budgeted fully or partially for FY25

Position	Number in FY25
Accountant II	2
Accountant III	1
Accountant III (PROPOSED)	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	10
Computer Technician (PROPOSED)	1
Contract Specialist	1
Control Operator (includes 1 apprentice)	8
Control Operator, Relief	1
Custodian	2
Director of Finance/Accounting	1
Director of HR & Administration	1
Electrical Engineer	1
Electrical Project Specialist	1
Electric Shop Foreman	1
Electrician (includes 1 apprentice)	6
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

Position (cont.)	Number in FY25
Mechanical Engineer	1
Operations & Maintenance Manager	1
Operational Accounting Supervisor	1
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
Procurement & WAM Technician	1
Safety Officer	1
SCADA Engineer	1
SCADA Technician	1
Secretary	2
Water Accounting Supervisor	1
Water Accounting Technician	1
Water Operations Superintendent	1
Water Resources Engineer (VACANT)	1
Weed Control Specialist	1
Procurement and Work & Asset Manager	1
Work Planning Technician	1
Total Positions	107

(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, Water Resources Engineer (approved but vacant) and Hydro-Tech III are budgeted for both O&M and Activities budgets)

- Routine O&M salaries will vary each year depending on the amount of staff labor dedicated to EO&M and Capital projects.

- 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.

STAFFING JUSTIFICATION FORM
FY 2025

EXPENSE CODE: 5101

PRIORITY CODE: - - ***BUDGET UNIT:*** 10

Type of Purchase

	Materials
	Services
X	Other: Request for New Position

PROJECT DESCRIPTION:	New Position(s): Computer Technician at intermediate to senior experience level
GENERAL SPECIFICATIONS: (See attached information)	Other titles: Information Systems Technician II, Information Technology Technician, IT Analyst, IS Analyst

ESTIMATED COST

Salary Cost:	$ 80,000.00
Benefits, etc.:	$ 25,000.00
Estimated Cost:	***$105,000.00***

Description of current circumstances that drive this request:

The current Information Technology (IT) Department has a staff of one (1). The IT Officer is responsible for all of the SLDMWA IT needs which varies from highly technical activities down to activities only requiring minimal technical skills. The SLDMWA is proposing a new position to perform the less technical activities of the IT Department, so the IT Officer can focus on the more technical responsibilities of the Department. The typical Desktop and user support activities that are currently performed by the IT Officer that can easily be performed by less technical staff are as follows:

- Maintains the help desk, keeping a log of resolutions and other appropriate records.
- Installation, configuration and maintenance of new and existing PCs.
- Provides general hardware and cable repair.
- Maintains and insures proper software licensing in accordance with Federal and State regulations.
- Interaction with end users working to resolve problems.
- Support during Committee and Board ZOOM meetings
- Trains employees in the most effective use of the computer hardware and software.
- Recommends and submits orders for computer supplies and/or maintenance of equipment.
- Tests and reports on various software products and provides quality assurance of products by identifying and documenting defects, and evaluates and recommends software packages for potential acquisition.

With these activities being more efficiently performed by a technician, the IT Officer can be freed up to focus on the high-level management and technical functions of the Department.

Description of how this request would change current circumstances:

Hiring an additional Computer Technician to focus on Desktop and end user support will provide end users with quicker response time to resolve issues. Security patches will be evaluated, updated and installed in a shorter time frame. It will allow the IT Officer to spend more time on planning and implementing technologies identified above, managing various vendors, support contracts, and budgets. The IT department can stay current with alerts, bulletins and notices from the various regulatory agencies mentioned above.

STAFFING JUSTIFICATION FORM
FY 2025

EXPENSE CODE: 5101
PRIORITY CODE: - - ***BUDGET UNIT:*** 20

Type of Purchase

	Materials
	Services
X	Other: Request for New Position

PROJECT DESCRIPTION: ***GENERAL SPECIFICATIONS:*** ***(See attached information)***	Additional Position: Accountant III

ESTIMATED COST		***CURRENT O&M COST INFORMATION***
Salary Cost:	$94,511.09	***:***
Benefits, etc.:	$30,000.00	***:***
Estimated Cost:	***$124,511.09***	***:***

Description of current circumstances that drive this request:

The finance and accounting function has been understaffed for some time. Current staffing levels do not allow sufficient coverage during periods of staff absences. The Authority's external auditors identified limitations on staffing as an area requiring attention during the last two audits. The scope of the department's responsibilities has grown over the last three years with two public offerings of debt and several repayment agreements in place with the Bureau of Reclamation. Additional funding arrangements have been undertaken requiring a single (Yellow Book) audit in addition to the annual audit. The Authority's investment in NetSuite is not being fully exploited as limitations on existing staff time are impeding progress. Updates to formal financial operating procedures and creation of additional procedures to document our internal controls and processes are occurring with the current headcount. While resources are already constrained, the Authority is entering into large scale projects which will require additional staff time to monitor and support.

Description of how this request would change current circumstances:

Hiring an additional Accountant III would allow the department to:

- Provide long term project accounting support for the large scale projects the Authority is undertaking.
- Coordinate Single Audit/Yellow Book compliance necessary for new funding arrangements.
- Prepare Annual BOR Indirect Cost submissions required as a contractor.
- Provide additional General Ledger /Audit support to meet tighter reporting deadlines.
- Formally document internal controls in our processes and procedures and validate same.
- NetSuite Record Maintenance and accounting records updates.
- Provide additional Water Accounting/Operational Accounting support.

SPECIAL PROJECT JUSTIFICATION FORM
FY2025

REQUEST DATE: 8/23/23 ***EXPENSE CODE:*** 5301
PRIORITY CODE: - - ***BUDGET UNIT:*** 43

Type of Purchase

X	Materials
	Services
	Other:

PROJECT DESCRIPTION:	Accusonic Flowmeter panel replacements for DCI
GENERAL SPECIFICATIONS: ***(See attached information)***	

ESTIMATED COST(incl taxes, freight)		**Current O&M Cost Information**	**Cost**
Purchase Cost:	$27000	**Current cost of annual repairs:**	
Inflation Adjustment (4%/YR)		**Potential For lost conveyance (if appl)**	
Estimated Cost:		**Other O&M Cost:**	
		ANNUAL O&M COST:	
Rounded up to 100's			
Total Estimated Cost:	***$27000***		

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

The Accusonic flowmeters (Model 7510+) were installed in the DMC-CA Intertie (DCI) penstocks in 2012 and consistently provided accurate flowmetering data. SLDMWA has recently been informed by Accusonic that they no longer support the 7510+ console. Upgrades to the new Model 8510+ flowmeter console is critical to keep the 7510+ sensors operational. This upgrade is for the panel only, and the existing sensors located within the penstock will remain in place.

Description of how this request would change current circumstances:

This request will ensure the DCI penstock flowmeters will remain operational.
The option to replace upon failure was evaluated and determined to not be the best course of action. Accurate flow data from DCI is a critical for water balance on the Delta-Mendota Canal, and a planned replacement is more prudent than waiting for it to fail.

Other options considered during evaluation:

The option to replace upon failure was evaluated and determined to not be the best course of action. Accurate flow data from DCI is critical for water balance on the Delta-Mendota Canal, and a planned replacement is more prudent than waiting for it to fail.

Conclusion/Recommendation:

The planned upgrade of the DCI flowmeter console is recommended. Accurate flow data pumped at DCI is critical for water balance on the Delta-Mendota Canal and this upgrade will prevent loss of data.

SPECIAL PROJECT JUSTIFICATION FORM
FY2025

REQUEST DATE: 8/28/2023 ***EXPENSE CODE:*** 5311
PRIORITY CODE: - - ***BUDGET UNIT:*** 60

Type of Purchase

	Materials
X	Services
	Other:

PROJECT DESCRIPTION:	DCI Transformer HV Bushings Replacement
GENERAL SPECIFICATIONS: ***(See attached information)***	

ESTIMATED COST(incl taxes,freight)	
Purchase Cost:	$25,000
Inflation Adjustment (4%/YR)	$1,000
Estimated Cost:	***$26,000***
Rounded up to 100's	$26,000
Total Estimated Cost:	***$26,000***

Current O&M Cost Information	**Cost**
Current cost of annual repairs:	
Potential For lost conveyance (if appl)	
Other O&M Cost:	
ANNUAL O&M COST:	

Description of current circumstances that drive this request: *(include age and condition of existing equipment)*
DCI Transformer KW1A had a fault incident which was caused by an owl that shorted between two bushings. There was some light splatter that was found on two bushings. Inspections have been performed by SLDMWA and all three bushings were doble tested by RESA and passed. RESA determined the transformer could remain in operation. It was also recommended by TSC and RESA to replace the bushings with new bushings to eliminate any risks that was not found by inspection or test.

Description of how this request would change current circumstances:
The replacement of the bushings would put DCI on a plant outage for one day (2 days at most).

Other options considered during evaluation:

Alternative plan would be to purchase and store three bushings as spares. If there are signs of further bushing degradation or transformer trips, then plan for the bushings replacement. The risk of bushing failure is low, but the impact of a bushing failure is moderate to very high.

Conclusion/Recommendation:
DCI is still operational as-is. Bushing failures are rare and there is currently no issue electrically. Replacing the compromised bushings next year will eliminate any unforeseen risks that may have been missed during the inspection and doble test. The replacement process will only require 1-2 days of plant outage time. Repairs will be timed when there is no dependence on DCI pumping.

EQUIPMENT PURCHASE JUSTIFICATION FORM
FY2025

REQUEST DATE: 8/23/23 ***EXPENSE CODE:*** 5547
PRIORITY CODE: - - ***DEPARTMENT:*** 46

Type of Purchase

X	New Equipment/Furniture > $10,000
	Replacement Equipment/Furniture
	Other:

EQUIPMENT DESCRIPTION:	Skid Steer Hydraulic angle broom Attachment
GENERAL SPECIFICATIONS: (See attached information)	8' wide skid steer attachment broom for bobcat.

ESTIMATED COST (incl taxes, freight)	
Purchase Cost: $13,000	
Inflation Adjustment (4%/YR)	
Estimated Cost:	***$13,000***
Rounded up to 100's	
Total Estimated Cost:	***$13,000***

Current O&M Cost Information	**Cost**
Current cost of annual repairs:	
Annual lease/rental cost:	
Other O&M Cost:	
ANNUAL O&M COST:	

CURRENT/PROJECTED COST W/O EQUIPMENT:		***PAYBACK***		***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)*

We used to have broom attachments for our old backhoes and we purchased new backhoes they did not come with any broom attachments. We were just going to rent a self-propelled sweeper when needed. We have learned the sweepers are not available for our various projects causing us to use either a water truck or our Sullair compressor and neither one of those do the job of a sweeper, especially when doing asphalt repair. We do not want water on the road and the compressor will not remove the material like the sweeper does, causing us to spend more time with shovels and push brooms to prep the road.

Other options considered during evaluation:

Rent the equipment when needed but it is not available most occasions. Use Water truck or high pressure air compressor and they do not do the job of a hydraulic sweeper.

Conclusion/Recommendation:

Purchase (2) 8' broom attachment for bobcat to complete the various projects and reduce chance of injury with personnel doing more manual labor.

EQUIPMENT PURCHASE JUSTIFICATION FORM
FY2025

REQUEST DATE: 8/23/23 ***EXPENSE CODE:*** 5521
PRIORITY CODE: - - ***DEPARTMENT:*** 45

Type of Purchase

	New Equipment/Furniture > $10,000
X	Replacement Equipment/Furniture
	Other:

EQUIPMENT DESCRIPTION:	
GENERAL SPECIFICATIONS: ***(See attached information)***	Piranha P-65-ton Hydraulic Ironworker

ESTIMATED COST (incl taxes, freight)	
Purchase Cost: $35,000	
Inflation Adjustment (4%/YR)	
Estimated Cost:	
Rounded up to 100's	
Total Estimated Cost:	***$35,000***

Current O&M Cost Information	**Cost**
Current cost of annual repairs:	
Annual lease/rental cost:	
Other O&M Cost:	
ANNUAL O&M COST:	

CURRENT/PROJECTED COST W/O EQUIPMENT:		***PAYBACK***		***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 existed in the plant when the SLDMWA began O&M of the facility. It was obtained using the government surplus program over 30 years ago. It is used for bending and shearing metal for projects and repairs such as making new plate doors for each units bearing access. Future projects include fabricating new j-seal clamp bars for the ONP Stop Log Rehabilitation Project and new pump bases for the cooling water and vacuum pumps that are planned to be rehabilitated in the near future.
Other issues with the existing iron worker are as follows: the unit has no safety guards to protect the operator; dies are worn out or missing, and the oil reservoir leaks and needs to be cleaned periodically after each use.

Other options considered during evaluation:

We discussed transporting the materials and components to the JPP Machine Shop for fabrication but ruled that out for a couple reasons, 1. JPP workload prioritization and 2. Need for OPP to be self-reliant on projects of that are specific to the Plant.

Conclusion/Recommendation:

The existing ironworker has exceeded its service life and does not have all the required safety protections/guards that are necessary to operate the unit safely. As a result, staff recommends replacement of the unit.

EQUIPMENT PURCHASE JUSTIFICATION FORM
FY2025

REQUEST DATE: ***EXPENSE CODE:*** 5521
PRIORITY CODE: - - ***DEPARTMENT:*** 45

Type of Purchase

	New Equipment/Furniture > $10,000
X	Replacement Equipment/Furniture
	Other:

EQUIPMENT DESCRIPTION:	Fluke 1550KIT
GENERAL SPECIFICATIONS: (See attached information)	5K Insulation Tester Kit Megohmmeter(megger)

ESTIMATED COST (incl taxes, freight)		**Current O&M Cost Information**	**Cost**
Purchase Cost: $7,000		**Current cost of annual repairs:**	
Inflation Adjustment (4%/YR)		**Annual lease/rental cost:**	
Estimated Cost:		**Other O&M Cost:**	
		ANNUAL O&M COST:	
Rounded up to 100's			
Total Estimated Cost:	***$7,000***		

CURRENT/PROJECTED COST W/O EQUIPMENT:		***PAYBACK***		***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)*

O'Neill's current Megohmeter has malfunctioned. The importance of replacing this piece of testing equipment is because we need it for our annual maintenance testing on our unit stator, rotor and exciter. The tester is also used for testing most of our electrical equipment within the plant and along the DMC.

Other options considered during evaluation:

The Megohmeter has been sent in for repairs twice and has most likely reached the end of its life. The unit is over 15 years old.

Conclusion/Recommendation:

It is recommended to purchase a new megger due to the cost of repairs and the life of our existing Megohmmeter.

EQUIPMENT PURCHASE JUSTIFICATION FORM
FY2025

REQUEST DATE: 8/23/2023 ***EXPENSE CODE:*** 5547
PRIORITY CODE: - - ***DEPARTMENT:*** 46

Type of Purchase

X	New Equipment/Furniture > $10,000
	Replacement Equipment/Furniture
	Other:

EQUIPMENT DESCRIPTION:	LWT POTHOG 2000
GENERAL SPECIFICATIONS: (See attached information)	6" hydraulic sludge pump.

ESTIMATED COST (incl taxes, freight)	
Purchase Cost: $6315	
Inflation Adjustment (4%/YR)	
Estimated Cost:	
Rounded up to 100's	6400.00
Total Estimated Cost:	***6400.00***

Current O&M Cost Information	**Cost**
Current cost of annual repairs:	
Annual lease/rental cost:	
Other O&M Cost:	
ANNUAL O&M COST:	

CURRENT/PROJECTED COST W/O EQUIPMENT:		***PAYBACK***		***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)*

We currently have one of these pumps at LBFO and have been using it weekly pumping out T.O. & meter Boxes between the LBFO crew and the CMT crew. We spend numerous days hauling the pump between the two yards. We have been using it at TFF a lot to pump out the silt build up under the stop logs to get them to seal, so we can perform much needed work and at the same time needed it on the DMC to pump out meter boxes. Only having one pump limits us on what we can do.

Other options considered during evaluation:

We have used a Venturi Pump to perform the same task and it does not pick up all the debris or pump the volume of water the Pothog 2000 does. The venturi pump also requires the use of a boom truck anytime we use it and the Pothog does not. A regular Honda trash pump will not pump the debris or the volume either.

Conclusion/Recommendation:

We have been using a Pothog 2000 for the past two years hauling it between the two yards and for how effective the pump is and how much we use it. It would pay for itself in a year by not having to haul it between the two yards. Tracy would have one for any emergency work at TFF, which happens often.

ATTACHMENT 3

Extraordinary OM&R Budget

a. FY2025 Projects Funding Summary Page
b. EO&M Project 10-Year Plan
c. Project Descriptions/Justifications

San Luis & Delta-Mendota Water Authority

EXTRAORDINARY OM&R, EQUIPMENT & VEHICLE RESERVE PROJECTS

FY 2025 PROJECTS FUNDING SUMMARY

Project Type: EXTRAORDINARY O&M (Fund 26)

Project #	Fac	Project Title	Segment Code	Priority	Labor	Parts/Mat'ls	Contract	Total
E2024001	DCI	Motor Protection Relay Replacement	26-M6	B-2-b	$24,500	$0	$84,000	$108,500
M1994022	ONP	Cooling Water System Rehabilitation	26-L0	B-2-b	$85,700	$626,400	$0	$712,100
E2024006	JPP	Current Transformer (CT) Upgrade (Units 1 & 4)	26-M12	B-3-b	$29,300	$0	$60,000	$89,300
M2024002	JPP	Unit Valve Replacement	26-M10	B-3-b	$212,700	$224,700	$0	$437,400
M2015003	JPP	Rehabilitate Coating on Pump Casings & Bifurcation	26-M1	B-3-c	$202,000	$3,600	$742,400	$948,000
C2024003	DMC	O&M Road Repair (Full Depth Rehab)	26-M11	B-4-b	$60,100	$0	$708,500	$768,600
M2019038	ONP	Sand Filter System Rehabilitation	26-L2	B-4-b	$264,500	$33,000	$72,000	$369,500
E2023003	ALL	Electric Vehicle Charging Stations - Phase 1	26-L1	B-4-c	$56,800	$0	$60,000	$116,800
E2024002	JPP	Siphon Breaker Communication Upgrades	26-M7	B-4-c	$135,000	$38,800	$0	$173,800
E2024003	JPP	Trashrake Controls Modernization	26-M8	B-4-c	$246,100	$53,400	$0	$299,500
M2019002	JPP	Sand Filter System Rehabilitation	26-M3	B-4-c	$245,200	$16,800	$196,800	$458,800
M2019028	JPP	Plant Flowmetering System Rehabilitation	26-M4	B-4-c	$78,000	$180,000	$96,000	$354,000
C2023004	DMC	Underdrain Sedimentation Removal Project	26-L5	B-5-b	$493,200	$3,800	$590,400	$1,087,400
M2019044	JPP	Machine Shop Crane Rehabilitation	26-M5	B-5-c	$56,200	$1,200	$57,000	$114,400
C2023005	ALL	EO&M Program Management	26-L6	C-6-c	$188,000	$0	$1,130,400	$1,318,400
		EXTRAORDINARY O&M (Fund 26) PROJECT TOTALS:			***$2,377,300***	***$1,181,700***	***$3,797,500***	***$7,356,500***

Project Type: RESERVE (Fund 26)

Project #	Fac	Project Title	Segment Code	Priority	Labor	Parts/Mat'ls	Contract	Total
S2024001	ALL	SCADA Replacement & Modernization Program (Reserve Fund)	26-D4	B-4-c	$331,700	$93,600	$0	$425,300
V1999001	ALL	Heavy Equipment Replacement Program (Reserve Fund)	26-D2	B-5-b	$14,300	$0	$84,000	$98,300
V1999002	ALL	Vehicle Replacement (Reserve Fund)	26-D1	B-6-c	$20,900	$0	$170,400	$191,300
C2011001	ALL	Facility Infrastructure Replacement/Rehabilitation Program	26-D3	B-7-c	$22,400	$0	$247,200	$269,600
E2000004	ALL	Replace Computer/Network Communication Equip (Reserve Fund)	26-D0	C-6-b	$205,500	$163,200	$111,600	$480,300
		RESERVE (Fund 26) PROJECT TOTALS:			***$594,800***	***$256,800***	***$613,200***	***$1,464,800***

FISCAL YEAR 2025 GRAND TOTAL (Fund 26):	***$2,972,100***	***$1,438,500***	***$4,410,700***	***$8,821,300***

NOTE: Extraordinary OM&R Reserve Projects are defined as major non-routine maintenance improvements, modifications, replacements or repairs with long term benefits, exceeding one year, that have a total cost greater that $20,000

Fund: 26 | ***SL&DMWA 10 Year Plan (EO&M & Reserves Projects)*** | ***WORKING DRAFT***

EO&M #	Project Title	BIL List	Facility	Priority	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	10 Yr Plan Total
EXTRAORDINARY O&M PROJECTS									*Estimated Project Cost (x $1,000)*						
E2024001	Motor Protection Relay Replacement	☐	DCI	B-2-b	108.5										109
M1994022	Cooling Water System Rehabilitation	☑	ONP	B-2-b	712.1										712
E2024006	Current Transformer (CT) Upgrade (Units 1 & 4)	☐	JPP	B-3-b	89.3										89
M2024002	Unit Valve Replacement	☐	JPP	B-3-b	437.4										437
M2015003	Rehabilitate Coating on Pump Casings & Bifurcation	☑	JPP	B-3-c	948.0	550.0	600.0								2,098
C2024003	O&M Road Repair (Full Depth Rehab)	☐	DMC	B-4-b	768.6										769
M2019038	Sand Filter System Rehabilitation/Replacement	☑	ONP	B-4-b	369.5										370
E2023003	Electric Vehicle Charging Stations Program	☐	ALL	B-4-c	116.8										117
E2024002	Siphon Breaker Communication Upgrades	☐	JPP	B-4-c	173.8										174
E2024003	Trashrake Controls Modernization	☐	JPP	B-4-c	299.5										300
M1999002	Unit Woodward Governor Replacement (All Units)	☑	ONP	B-4-c			957.1	500.0	500.0	500.0	500.0	500.0			3,457
M2019002	Sand Filter System Rehabilitation	☑	JPP	B-4-c	458.8										459
M2019028	Plant Flowmetering System Rehabilitation	☑	JPP	B-4-c	354.0										354
C2023004	Underdrain Sedimentation Removal Project	☐	DMC	B-5-b	1,087.4										1,087
M2019044	Machine Shop Crane Rehabilitation	☐	JPP	B-5-c	114.4										114
C2023005	EO&M Program Management Services	☐	ALL	C-6-c	1,318.4	550.0	550.0	550.0	550.0	550.0	550.0	550.0	550.0	550.0	6,268
E2024005	Standby Generator Transfer Switch: Design & Construction	☐	ONP	B-3-b		112.3									112
C1997002	O&M Road Maintenance Program	☐	DMC	B-4-b		668.0		736.5		812.0		895.2			3,112
M2019022	HVAC System Rehabilitation/Replacement	☑	JPP	B-4-b		400.0									400
M2024001	CCTV Pipeline Inspection & Assessment (Water & Sewer)	☐	TFO	B-4-b		50.0									50
C1994005	Warehouse Building (Design & Construction)	☐	ONP	B-4-c		849.1									849
E2019003	Check Electrical Equipment Rehabilitation	☐	DMC	B-4-c		200.0									200
C2022001	Retaining Wall Rehabilitation	☐	JPP	B-5-b		225.0									225
M2019001	Bridge Crane Rehabilitation	☑	ONP	B-5-c		200.0									200
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
E2022005	Unit Protection Equipment & Control Board Replacement	☐	ONP	B-2-b			140.0	300.0	320.0	340.0					1,100
E2019024	Station Service Backup Battery System Replacement	☑	JPP	B-2-c			300.0								300
E2004002	Unit Rotor & Stator Rewind (All Units)	☑	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
E2009004	UPS Battery Replacement	☑	JPP	B-4-b			200.0								200
M2017001	Shaft Sleeve Manufacturing	☑	ONP	B-4-b			315.0	325.0							640
M2019016	Siphon Breaker Valve Control System Rehabilitation	☑	JPP	B-4-c			250.0								250
M2019014	Stoplog Rehabilitation	☑	JPP	B-5-b			500.0								500
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	O&M Complex Pavement Rehabilitation	☑	TFO	B-4-b				250.0							250
E2019025	Plant Security System Upgrades	☑	JPP	B-5-c				225.0							225
C2016001	DMC Road Rehabilitation	☑	DMC	B-4-b					391.0						391
M2019025	100 Ton Gantry Crane Rehabilitation	☑	JPP	B-4-c					450.0						450
M2019043	HVAC System Rehabilitation/Replacement	☑	ONP	B-4-c					100.0						100
E2019010	Plant Flowmeter System Rehabilitation	☑	ONP	B-5-c					244.0						244

Fund: 26 ***SL&DMWA 10 Year Plan (EO&M & Reserves Projects)*** ***WORKING DRAFT***

EO&M #	Project Title	BIL List	Facility	Priority	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	10 Yr Plan Total
M2019033	Plant Roof Surface Replacement	☑	ONP	B-7-c					100.0						100
C1996012	Intake Channel Embankment Stabilization	☑	DMC	B-3-b						750.0		2,500.0	2,500.0		5,750
C2019001	Radial Gate Rehabilitation Program	☑	DMC	B-3-c						500.0	800.0	800.0	800.0	800.0	3,700
M2019015	Trashrack Cleaner Rehabilitation	☑	JPP	B-4-c						300.0					300
M2019045	Stub Shaft Crane Rehabilitation	☐	JPP	B-4-c						175.0					175
M2022003	Trashrack Cleaner & Stoplog Crane Rehabilitation/Automation	☑	ONP	B-4-c							750.0				750
M2022004	Check Structure Mech Equipment Rehab/Replacement Program	☑	DMC	B-4-c						600.0					600
C2019005	Penstock/Manifold Interior Coating Rehabilitation	☑	DCI	B-5-b						150.0					150
E2019019	Plant Security System Improvements	☑	DCI	B-5-b						50.0					50
M2019048	Plant Hydraulic System Rehabilitation/Replacement	☐	JPP	B-5-c						325.0					325
E2015003	Arc Flash Study - JPP	☐	JPP	A-1-b							200.0				200
E2022003	Plant Protective Relay Replacement	☑	JPP	B-2-b							300.0				300
C2023003	Recoat Exterior of All Penstocks	☐	ONP	B-4-c							500.0				500
M2010001	Domestic/Potable Waterline Replacement	☐	JPP	B-5-c							500.0				500
E2019001	Pump & Motor Rehabilitation	☑	DCI	B-3-c								259.0	264.0	275.0	798
E2019015	Plant Motor Control Center Upgrades	☑	DCI	B-3-c								150.0	153.0		303
C2019002	Canal Embankment Erosion Protection	☑	DMC	B-4-b								350.0			350
M2019008	Pump Intake Diffuser Panel Rehabilitation/Replacement	☐	DCI	B-4-c								75.0			75
M2019035	Industrial Water Storage Tank Rehabilitation	☐	TFO	B-4-c								125.0			125
M2019041	CA Turnout Slide Gate Rehabilitation/Replacement	☑	DCI	B-4-c								150.0			150
E2019022	Plant Annunciator Modernization	☑	DCI	B-5-b								150.0			150
M2008002	Cooling Water Line Replacement	☑	JPP	B-4-b									400.0		400
E2019006	Current & Potential Transformer Rehabilitation	☐	JPP	B-4-c										250.0	250
	FY TOTALS (x $1,000):				**$7,356.5**	**$3,913.4**	**$4,877.9**	**$5,441.5**	**$4,950.0**	**$7,393.0**	**$6,488.0**	**$9,187.2**	**$7,151.0**	**$1,875.0**	

RESERVE PROJECTS *Estimated Project Cost (x $1,000)*

S2024001	SCADA Replacement & Modernization Program (Reserve Fund)	☑	ALL	B-4-c	425.3	564.8	498.9	451.7	372.9	301.7	262.6	221.9	297.2	166.2	3,563
V1999001	Heavy Equipment Replacement Program (Reserve Fund)	☐	ALL	B-5-b	98.3	10.5	10.8	214.0	318.4	177.8	12.2	247.4	553.2	289.3	1,932
V1999002	Vehicle Replacement Program (Reserve Fund)	☐	ALL	B-6-c	191.3	327.3	337.1	128.2	157.0	442.2	216.0	223.8	116.3	180.5	2,320
C2011001	Facility Infrastructure Replacement/Rehabilitation Program	☐	ALL	B-7-c	269.6	124.5	67.6	139.7	99.9	72.1	157.3	71.6	44.9	181.2	1,228
E2000004	Replace Computer/Network Comm Equip (Reserve Fund)	☐	ALL	C-6-b	480.3	226.4	261.7	290.6	251.5	283.9	293.6	325.7	285.6	271.6	2,971
	FY TOTALS (x $1,000):				**$1,464.8**	**$1,253.5**	**$1,176.1**	**$1,224.2**	**$1,199.7**	**$1,277.7**	**$941.7**	**$1,090.4**	**$1,297.2**	**$1,088.8**	

	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
FISCAL YEAR GRAND TOTALS: (FUND 26 - EO&M and RESERVES)	***$8,821.3***	***$5,166.9***	***$6,054.0***	***$6,665.7***	***$6,149.7***	***$8,670.7***	***$7,429.7***	***$10,277.6***	***$8,448.2***	***$2,963.8***

10 Year Plan Grand Total (x$1,000): ***$70,647.5***

San Luis & Delta-Mendota Water Authority

Extraordinary O&M Projects

Project Description and Justification Sheet

Project No.: **E2024001** ***Segment Code:*** **M6-2025** ***Priority:*** **B-2-b**

Facility: DCI ***Project Lead:*** EENG

Project Title: Motor Protection Relay Replacement

Estimated Total Cost: $108,500.00

Labor: $24,500 ***Materials:*** $0 ***Contract Costs:*** $84,000

Project Description and Scope:

The goal of the project is to swap out the existing GE motor protection relays with SEL 710-5 Motor Protection Relays from Schweitzer Engineering Laboratories. Direct Replacement Assemblies (DRA), which speed up the switchover between the old and new relays, will be used for the new relays. The settings will be customized to match, with the installation requiring a small amount of unit downtime. Once the SEL relays are in place, support will be available as needed from the manufacturer.

Project Purpose and Background

DMC & CA Intertie Plant (DCI) is a critical facility that allows the delivery of water between the Delta-Mendota Canal (DMC) & the California Aqueduct in either direction when necessary, providing flexibility to delivery options. The existing motor protection relays for the pump units are GE 369 Multilin Relays. In 2024, GE will stop providing support for the relays. The continued protection of the motors is essential to the stability of the pump units. Maintaining the motor protective relays will ensure that the pump units are protected during pump failures.

Project Status:

San Luis & Delta-Mendota Water Authority

Extraordinary O&M Projects

Project Description and Justification Sheet

Project No.: **M1994022** ***Segment Code:*** **L0-2025** ***Priority:*** **B-2-b**

Facility: ONP ***Project Lead:*** MENG

Project Title: Cooling Water System Rehabilitation

Estimated Total Cost: $712,100.00

Labor: $85,700 ***Materials:*** $626,400 ***Contract Costs:*** $0

Project Description and Scope:

In order to provide a reliable cooling water system serving the 6 pump units, the piping, valves, strainers, and pumps will be replaced in kind with small improvements incorporated. Work will include the replacement of the 8 existing pumps and kinney strainers utilizing our in-house crews. This work will be performed in a phased manner in order to minimize impact to pump operations.

Project Purpose and Background

The existing ONP cooling water system is over 55 years old. All of the piping and components have exceeded their useful life. In order to provide a more reliable operating cooling water system, the system will be rehabilitated. Note: Reclamation's Federal Replacements Units, Service Lives, Factors (Blue Book), places the service life of water systems at 25 years.

Project Status:

FY2025 Project - Awaiting approval/funding

San Luis & Delta-Mendota Water Authority

Extraordinary O&M Projects

Project Description and Justification Sheet

Project No.: **E2024006** ***Segment Code:*** **M12-2025** ***Priority:*** **B-3-b**

Facility: JPP ***Project Lead:*** EENG

Project Title: Current Transformer (CT) Upgrade (Units 1 & 4)

Estimated Total Cost: $89,300.00

Labor: $29,300 ***Materials:*** $0 ***Contract Costs:*** $60,000

Project Description and Scope:

The project is to install new current transformers (CTs) for Jones Units 1 & 4 and perform commissioning tests. The new CTs will have higher capacities than the existing CTs. The current CTs have a 1200:5A ratio and will be upgraded to a 4000:5A ratio. Installation of the CTs and wiring modifications will be performed by SLDMWA electricians and C&Is. Protective relay calibration and unit commissioning will be performed by Reclamation TSC. A final report that summarizes the project and unit status will also be provided by Reclamation TSC.

Project Purpose and Background

There is a history of nuisance trips at Jones Pumping Plant, where pump units would trip at startup when the adjacent pump was iin operation. Reclamation TSC investigated and determined that certain current tranformers (CTs) were being oversaturated, which was causing the trips. Their recommendation was to upgrade the specific CTs. To date, Jones Units 2, 3, 5, & 6 have undergone the CT upgrades, and the over saturation issue was resolved. No further nuisance trips have occured with the units with upgraded CTs. Upgrading the CTs will stabilize the performance of the pump units, minimize labor hours spent on troubleshooting, and reduce the wear on the pumps caused by additional pump starts.

Project Status:

FY2025 Project - Awaiting approval/funding

San Luis & Delta-Mendota Water Authority

Extraordinary O&M Projects

Project Description and Justification Sheet

Project No.: **M2024002** ***Segment Code:*** **M10-2025** ***Priority:*** **B-3-b**

Facility: JPP ***Project Lead:*** MENG

Project Title: Unit Valve Replacement

Estimated Total Cost: $437,400.00

Labor: $212,700 ***Materials:*** $224,700 ***Contract Costs:*** $0

Project Description and Scope:

Replacement in kind of existing Cooling Water Admission valves (6), the Air Vent valves (6), and the Bypass Valves (6) for all units. All 18 valves are alike, but support different systems. The Cooling water admission valves supports cooling water for radiator and stator, the Air Vent valves evacuate air from the unit as part of the Butterfly valve system, and the Bypass Valves operate at Unit startup in support of the butterfly valve. Replacement parts of the existing valves are no longer available. New valves will be upgraded versions of the same valves. This workscope will be executed in a phased manner to minimize impact to plant operations of the 6 pumps.

Project Purpose and Background

The existing cooling water admission valves, air vent valves, and bypass valves that serve the 6 pump units are over 40 years old. These valves have exceeded the anticipated service life for such valves and repair parts for these valves are no longer available. In order to provide reliable functioning valves that can easily be repaired, these 18 valves need to be replaced with upgraded versions of the existing valves.

Project Status:

San Luis & Delta-Mendota Water Authority

Extraordinary O&M Projects

Project Description and Justification Sheet

Project No.: **M2015003** ***Segment Code:*** **M1-2025** ***Priority:*** **B-3-c**

Facility: JPP ***Project Lead:*** MENG

Project Title: Rehabilitate Coating on Pump Casings & Bifurcation

Estimated Total Cost: $948,000.00

Labor: $202,000 ***Materials:*** $3,600 ***Contract Costs:*** $742,400

Project Description and Scope:

The rehabilitation of pump and pipeline coating will occur on all 6 of the JPP pumps. Given the cost and impact to plant operations, the work scope will be executed in three (3) phases spanning 3 years by a contractor. The primary work will consist of removing and properly disposing of the existing pump casing and pipeline lining material and then applying a specified lining system per coating manufacturers recommendations. Crack sealing and epoxy injection will also be required to repair the outlet box of the east and west penstocks.

Work is to be executed in a 3-phase approach requiring 2 pumps to be taken out of service for each phase of the project pending an approved outage that will not result in water delivery impacts. It is anticipated that a 100% solids epoxy coating will be utilized, however research and coordination with Reclamation will be conducted to ensure the appropriate new coating is selected.

Project Purpose and Background

The existing coal tar enamel coating of the pump casings and bifurcation pipeline has failed and needs to be replaced in order to preserve the integrity of the pump bowl, and bifurcation pipeline. The bifurcation is the steel mainifold that transitions the 6 pumps to 3 penstocks. In addition, Reclamation has issued several RO&M recommendations specific to the failed coatings. The new coating is anticipated to protect the pump bowl and pipeline for a minimum of 20 years. Also included within this scope is to repair the penstock outlet box with epoxy injection and crack sealing. These repairs have been completed for the center penstock, and are still required in the east and west tubes.

Project Status:

FY2025 Project - Awaiting approval/funding

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

Project No.: **C2024003** ***Segment Code:*** **M11-2025** ***Priority:*** **B-4-b**

Facility: DMC ***Project Lead:*** CIVIL

Project Title: O&M Road Repair (Full Depth Rehab)

Estimated Total Cost: $768,600.00

Labor: $60,100 ***Materials:*** $0 ***Contract Costs:*** $708,500

Project Description and Scope:

This project will repair approximately 3.2 miles of the DMC Operating & Maintenance (O&M) road, from milepost 97.68R to milepost 100.85R, which has deteriorated to the point of becoming a safety hazard. The repair method will consist of a Full Depth Reclamation (FDR) by pulverizing the existing chip seal wearing surface in place down to 12 inches of depth, then placing and mixing a predetermined percentage of cement into the upper foot of subgrade. The O&M road is then recompacted and finished with an initial rough grade, then a final grade to ensure a proper slope for drainage. After rehabilitation, a fog seal and double chip seal coat will complete the wearing surface. The alternative option of placing an aggregate base instead of a chip seal will be evaluated during the projects planning phase. A contractor will complete most of the work with the assistance of SLDMWA crews. An engineering consultant will determine the optimum percentage of cement to add and provide testing and inspection services.

Project Purpose and Background

Staff successfully used Full Depth Reclamation (FDR) to rehabilitate the DMC O&M road (MP 100.85R to 101.27R) in 2019. FDR is proposed to be completed on 3.2 miles of failed O&M road from MP 97.68R (Russell Ave) to 100.85R. This stretch of the O&M Road contains numerous failures, including ravels, large-width cracks, potholes, and dips. The large cracks and dips create a driving hazard. Staff has performed spot repairs at numerous locations along this stretch; however, repairs do not last as the subgrade is compromised and requires rehabilitation. The attached report describes the existing conditions of the failed roadway and includes the performance of the roadway previously treated using the FDR method.

Project Status:

FY2025 Project - Awaiting approval/funding

San Luis & Delta-Mendota Water Authority

Extraordinary O&M Projects

Project Description and Justification Sheet

Project No.: **M2019038** ***Segment Code:*** **L2-2025** ***Priority:*** **B-4-b**

Facility: ONP ***Project Lead:*** MENG

Project Title: Sand Filter System Rehabilitation

Estimated Total Cost: $369,500.00

Labor: $264,500 ***Materials:*** $33,000 ***Contract Costs:*** $72,000

Project Description and Scope:

This project will be for the full rehabilitation of the ONP Sand Filter System. The scope of the rehabilitation will be determined during the design and planning phase, which is currently underway. Staff have explored the options to replace the existing tanks in-kind, or to rehabilitate the existing tanks in place. Due to the geometry of the configuration, both options present significant difficulties. During original installation, the tanks were placed prior to pouring the floor above, making it impossible to install new tanks without significant torching and welding efforts. In addition, the tanks are placed very close together giving little room to complete rehabilitation-in-place within a timely manner. In response to these difficulties, staff is exploring installing a new filter technology that incorporates a much smaller footprint, through a pilot study. The preliminary plan is to install a rotating self-cleaning screen filter at the JPP to test the performance of this system. If successful, the SLDMWA will present the performance results to USBR for consideration as an alternate to the existing sand filter system. The goal is to install a new system better suited to the limited footprint that incorporates redundency allowing for maintenance activities to occur without disrupting service. The work scope will be executed in a phased manner in order to keep the sand filter system functioning and therefore, allowing for continuous operation of the ONP.

Project Purpose and Background

The ONP sand filter system is composed of 5 filter tanks that provide filtered water to the main units. The tanks are 84 inches in diameter and 72 inches tall with 4 inch inlet and outlet piping. The system was placed into service in 1968, and has provided continuous operation for 55 years. The system continues to meet the needs of the ONP, yet has exceeded its expected life cycle. Following the rehabilitation of the sand filter tanks, piping, and critical components, the rehabilitated sand filter system will provide over 20 years of reliable operation. The design and planning phase of the rehabilitation was funded in FY24 and is currently underway.

Project Status:

FY2025 Project - Awaiting approval/funding

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

Project No.: **E2023003** ***Segment Code:*** **L1-2025** ***Priority:*** **B-4-c**

Facility: ALL ***Project Lead:*** EENG

Project Title: Electric Vehicle Charging Stations - Phase 1

Estimated Total Cost: $116,800.00

Labor: $56,800 ***Materials:*** $0 ***Contract Costs:*** $60,000

Project Description and Scope:
Two-stall electric vehicle (EV) charging stations will be installed at the Tracy Field Office, O'Neill Pumping Plant and the Los Banos Field Office maintenance facilities to support the upcoming State mandated EV requirements. The design of the stations will be in compliance with all federal, state and local EV charging station requirements. The Water Authority will also work towards developing a comprehensive plan for fleet electrification from compliance and deployment planning to implementation and management of the fleet. Resources will also be aimed at staying up to date with the regulations and applying to grants and exemptions that the Water Authority would be eligible for.

Project Purpose and Background
The California Air Resources Board (CARB) Advanced Clean Fleet regulation is currently requiring that 50% of all vehicles with a gross weight greater than 8,500 pounds that are added to a fleet as of 1/1/2024 must be Zero Emission Vehicles (ZEV). Starting 1/1/2027 they will be requiring 100% of all vehicles be ZEV. If adopted, the SLDMWA will need to be in compliance with this regulation.

Project Status:
FY2025 Project - Awaiting approval/funding

San Luis & Delta-Mendota Water Authority

Extraordinary O&M Projects

Project Description and Justification Sheet

Project No.: **E2024002** ***Segment Code:*** **M7-2025** ***Priority:*** **B-4-c**

Facility: JPP ***Project Lead:*** SCADA

Project Title: Siphon Breaker Communication Upgrades

Estimated Total Cost: $173,800.00

Labor: $135,000 ***Materials:*** $38,800 ***Contract Costs:*** $0

Project Description and Scope:

The project will consist of removing the deteriorated 125vdc wiring alarming function and add PLC alarming over cellular and point to point back up communications. This work will be completed entirely by in-house crews. The Electric Shop staff will build a new electrical cabinet with PLC, run the necessary wiring, and assist the SCADA staff to align point to point dishes and cellular equipment. SCADA staff will complete the programming and lead the commissioning of the upgrades. The system will be tested to verify full functionality of all alarms prior to decommissioning the existing communications.

Project Purpose and Background

The Siphon House controls and indication system is an integral part of keeping the Jones Pumping Plant and the DMC operating reliably by ensuring that the Control Operations staff have accurate indication to the status and control of the equipment at the Siphon House which is located off-site. It is imperative to keep these systems up and running to avoid unnecessary or unexpected shut downs of the JPP. There has been a deterioration to the condition of the Siphon House equipment indication and controls over the years, resulting in loss of indication of the industrial water tank levels and the siphon breaker positioning. Communication losses have typically occurred during storms and repairs have been completed as quickly as possible while the long term, substantial repairs of the equipment have been deferred. Staff have determined that there is no longer redundancy in the wiring, making quick fixes no longer an option. A long-term solution must be implemented before there is a run to failure event.

Project Status:

San Luis & Delta-Mendota Water Authority

Extraordinary O&M Projects

Project Description and Justification Sheet

Project No.: **E2024003** ***Segment Code:*** **M8-2025** ***Priority:*** **B-4-c**

Facility: JPP ***Project Lead:*** SCADA

Project Title: Trashrake Controls Modernization

Estimated Total Cost: $299,500.00

Labor: $246,100 ***Materials:*** $53,400 ***Contract Costs:*** $0

Project Description and Scope:

The JPP Trash Rake Controls Modernization will include the modernization of the PLC hardware, the HMI hardware, and replacement of the panel backplate and internal panel devices. All obsolete equipment will be replaced with modern equipment that will allow integration into the existing SCADA system. Remote functionality and control will be analyzed and implemented to suit the needs of the Control Operators, and provide the best protection and operation of the equipment.

Project Purpose and Background

The JPP Trash Rake is a critical feature of the plant required for the uninterrupted operation of the units. The new trash rake was installed by Reclamation over 13 years ago, and the controls are now obsolete and in need of modernization. Spare parts are no longer available. In the event of a failure, communication equipment will need to be either sent out for repair, or be purchased used from unreliable sources such as Ebay. Neither of these repair options are preferrable for equipment that can reduce the reliability of the Jones Pumping Plant.

Project Status:

San Luis & Delta-Mendota Water Authority

Extraordinary O&M Projects

Project Description and Justification Sheet

Project No.: **M2019002** ***Segment Code:*** **M3-2025** ***Priority:*** **B-4-c**

Facility: JPP ***Project Lead:*** MENG

Project Title: Sand Filter System Rehabilitation

Estimated Total Cost: $458,800.00

Labor: $245,200 ***Materials:*** $16,800 ***Contract Costs:*** $196,800

Project Description and Scope:

The rehabilitation of the sand filter system will be a replacement-in-kind of the filter tanks, piping, and critical components. This work scope will be executed in a phased manner in order to keep the sand filter system functioning and therefore, allowing for continuous operation of the JPP. The JPP machine shop crew will be used to support the installation of the new filters.

Project Purpose and Background

The JPP sand filter system is composed of 4 filter tanks. The tanks are 84 inches in diameter and 72 inches tall with 4 inch inlet and outlet piping. The filter tanks have had the media replaced and minor repairs completed to the tanks over the past 65 years. The walls of the tank are deteriorating and will likely start leaking within the next 10 years. Following the replacement of the sand filter tanks, piping, and critical components, the rehabilitated sand filter system will provide over 25 years of reliable operation.

Project Status:

FY2025 Project - Awaiting approval/funding

San Luis & Delta-Mendota Water Authority

Extraordinary O&M Projects

Project Description and Justification Sheet

Project No.: **M2019028** ***Segment Code:*** **M4-2025** ***Priority:*** **B-4-c**

Facility: JPP ***Project Lead:*** SCADA

Project Title: Plant Flowmetering System Rehabilitation

Estimated Total Cost: $354,000.00

Labor: $78,000 ***Materials:*** $180,000 ***Contract Costs:*** $96,000

Project Description and Scope:

The project will include a complete inspection of all existing components. Each sensor array will be tested and any failing sensors or suspect mounting brackets will be replaced. This work will require onsite support from the manufacturer's (Accusonic) technical representative. The Accusonic technicians will need to bring their calibration equipment and confirm proper alignment and signal strength. The external control panels were recently upgraded and will not require any work, however the housing and shade structure will be inspected and rehabilitated as needed.

Project Purpose and Background

The JPP flow metering system was installed in 2009 and has been very reliable and proven to retain its accuracy over the years. Several sensors have experienced damage from debris, and the redundant sensors have been placed into use leaving the system vulnerable to any future damage or failures. To ensure long term reliability and accuracy it is prudent to replace prior to failure. Accurate water balance of the Delta-Mendota Canal (DMC) is critical, and is dependent upon accurate flowmetering at the headworks of the DMC.

Project Status:

FY2025 Project - Awaiting approval/funding

San Luis & Delta-Mendota Water Authority

Extraordinary O&M Projects

Project Description and Justification Sheet

Project No.: **C2023004** ***Segment Code:*** **L5-2025** ***Priority:*** **B-5-b**

Facility: DMC ***Project Lead:*** CIVIL

Project Title: Underdrain Sedimentation Removal Project

Estimated Total Cost: $1,087,400.00

Labor: $493,200 ***Materials:*** $3,800 ***Contract Costs:*** $590,400

Project Description and Scope:

This project will clean 19 existing concrete underdrains that route stormwater under the DMC at various locations. Authority staff proposes to contract services from a qualified contractor with specialized equipment, that would assist with cleaning the underdrains through a combination of hydro jetting truck and a vacuum truck system. Hydrojetting uses a high pressure water stream to cut through silt however the large barrels and length of each culvert will require multiple passes to clean. For those culverts that are 4 ft. x 4 ft. and larger, a confined space entry personnel would enter the culvert to remove loosened material from the walls after jetting followed by final jetting. Culverts smaller than 3.5 ft. x 3.5 ft. will require that both a hydrojet and hydrovac be placed at opposite ends of the culvert. Jetted material will be vacuumed and placed in a drying bed.

To accommodate the equipment, staff will be required to perform site modifications such as grading and graveling to provide the vactruck and hydrojetters suitable access to the inlets and outlets of the drains. Site modifications will require equipment operators on grading equipment, material handling equipment, and dump trucks. Additionally, staff will need to perform outreach to affected member agencies and adjacent landowners to gain access to drains which will typically require traveling on private lands where the ROW is narrow. A biological services contract will be required prior to any ground disturbances with the potential of biological monitoring for sensitive areas. Once all the underdrains have been cleared, a PM system will be developed to keep the drains clear and functioning properly.

Project Purpose and Background

During recent inspections associated with the DMC Subsidence project, many underdrains have been identified to be either partially or fully plugged with sediment. Subsidence of the canal has likely contributed to water backing up and resulted in sediment settling out within the drains. Reclamation has stressed the need to have all drains cleaned to allow the design storm flows to pass under the canal because fully functional drains are an assumption of the TSC designers working on the DMC Subsidence Correction Project. Fully functional drains are also required to protect the integrity of the canal and are an O&M activity required in the Transfer Agreement. Due to depths and lengths of the drains, specialized equipment is required to remove the sediment.

Project Status:

FY2025 Project - Awaiting approval/funding

San Luis & Delta-Mendota Water Authority

Extraordinary O&M Projects

Project Description and Justification Sheet

Project No.: **M2019044** ***Segment Code:*** **M5-2025** ***Priority:*** **B-5-c**

Facility: JPP ***Project Lead:*** MENG

Project Title: Machine Shop Crane Rehabilitation

Estimated Total Cost: $114,400.00

Labor: $56,200 ***Materials:*** $1,200 ***Contract Costs:*** $57,000

Project Description and Scope:

The project will include a complete inspection of the electrical and mechanical components by a contractor with staff support. All suspect or failing equipment shall be replaced. All wear and load bearing components will be checked, and any failing or out of specification parts will be replaced. After the completion of this project, a Quadrennial load test will be performed. The Water Authority has the necessary weights, and will contract with a crane inspection company for certification of crane following replacement of failed components.

Project Purpose and Background

The JPP Machine Shop crane is a 21 ton bridge crane that has both radio and pendant controls. All of the mechanical equipment is original other than the wire rope. The electrical system has had various small updates as equipment fails, but is basically original. The crane is used daily and is critical to the ability of the plant crews to maintain JPP.

Project Status:

FY2025 Project - Awaiting approval/funding

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

Project No.: **C2023005** ***Segment Code:*** **L6-2025** ***Priority:*** **C-6-c**

Facility: ALL ***Project Lead:*** CIVIL

Project Title: EO&M Program Management

Estimated Total Cost: $1,318,400.00

Labor: $188,000 ***Materials:*** $0 ***Contract Costs:*** $1,130,400

Project Description and Scope:
This project would consist of entering into and managing a Professional Services contract with a qualified engineering firm that would provide the following consulting services:

- (PHASE 1 ONLY) Prepare Budgetary/Preliminary Cost Estimates for all the current projects on the SLDMWA EO&M/CIP Project 10-Year Plan. The cost estimates shall be developed consistent with the requirements of Reclamation Standards and Directives (FAC-09-01) - Cost Estimating
- Prepare Budgetary/Preliminary Cost Estimates for any new project(s) added to the SLDMWA EO&M/CIP Project 10-Year Plan. The cost estimates shall be developed consistent with the requirements of Reclamation Standards and Directives (FAC-09-01) - Cost Estimating
- Perform project design and preparation of technical specifications and drawings for the identified approved SLDMWA EO&M/CIP projects. Prepare an engineer's estimate based on the design.
- Perform Project Management services for identified approved SLDMWA EO&M/CIP projects.
- Prepare Project Description and Justification documents along with a detailed up-to-date cost estimate, using the SLDMWA budget submittal format, for each of the proposed projects for the upcoming fiscal year (FY). Prepare and present the proposed EO&M/CIP project budget information to the SLDMWA O&M Technical Committee.

The engineering staff will be required to support the consultant with identifying the project scope parameters, providing design data as requested, coordinating site visits, attending project meetings, and reviewing and approving progress invoices.

Project Purpose and Background
The age of facilities that SLDMWA has O&M responsibility for have significantly increased since the SLDMWA was organized. As of 2023, the Delta-Mendota Canal and Jones Pumping Plant have been in service over 70 years old and the O'Neill Pumping-Generating Plant for 55 years. As such, the number and complexity of the Extraordinary O&M (EO&M) projects over the last several years have significantly increased as well. The existing SLDMWA Engineering Department staff can no longer provide the necessary resources to adequately support both EO&M and Regular O&M programs engineering activities. Staff recommends the engineering support for the EO&M program be performed under a professional services agreement with a multi-disciplinary engineering consultant. The consultant will manage cost estimates and project priorities on the SLDMWA EO&M/CIP 10-Year Plan and perform design services and project management on assigned projects on the 10-Year Plan. This will allow the SLDMWA Engineering Department to properly manage all the Regular O&M Responsiblities with the current staffing levels.

Project Status:
New Project added in FY2025 - Awaiting approval/funding waiting for approval

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

Project No.: **S2024001** ***Segment Code:*** **D4-2025** ***Priority:*** **B-4-c**

Facility: ALL ***Project Lead:*** SCADA

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

Estimated Total Cost: $425,300.00

Labor: $331,700 ***Materials:*** $93,600 ***Contract Costs:*** $0

Project Description and Scope:
The SCADA equipment scheduled to be replaced this fiscal year is summarized in the attached 10-year plan. Included in the project is the labor associated with the installation of the new equipment. Note: All recurring annual subscription and maintenance costs are incorporated into the RO&M budget utilizing region 51.

Project Purpose and Background
In FY23, the SCADA System Evaluation project was funded. That project was successful in creating an inventory of the equipment in place, upgrading critical components of the SCADA system and creating this 10-year plan. The 10-year plan is a proactive plan to upgrade and replace hardware in a planned, proactive manner to ensure the SCADA system remains current and reliable with built-in redundancies. PLC's, workstations, modems, servers and switches are included in this 10-year plan. In addition, due to new security requirements by the DOI, Nerc, CIS, and the state of California certain upgrades to the system securities will need to be implemented.

Project Status:
See attached SCADA Modernization 10 Year Plan.

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

Device	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
Hardware (5523)											
PLC's	Obsolete Check PLC's	$35,000.00	$37,500.00	$37,500.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1.00
Computer	Mission critical workstations	$7,500.00	$4,500.00	$3,000.00	$6,720.00	$8,400.00	$5,040.00	$3,360.00	$7,526.40	$9,408.00	$5,644.80
AT&T APN Modems	Air gapping process (Cyber Security)	$11,500.00	$5,000.00	$3,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Workstation with Monitors		$3,500.00	$2,250.00	$0.00	$3,920.00	$3,920.00	$2,520.00	$0.00	$4,390.40	$4,390.40	$2,822.40
Servers		$18,000.00	$12,500.00	$0.00	$8,400.00	$20,160.00	$14,000.00	$0.00	$0.00	$9,408.00	$22,579.20
Laptops		$0.00	$0.00	$4,000.00	$4,250.00	$0.00	$0.00	$4,480.00	$4,760.00	$0.00	$0.00
Switches		$0.00	$0.00	$0.00	$12,000.00	$0.00	$0.00	$3,000.00	$3,000.00	$3,000.00	$3,001.00
Thin Clients and Monitors		$2,500.00	$2,500.00	$2,500.00	$1,850.00	$0.00	$3,000.00	$0.00	$0.00	$0.00	$0.00
	SubTotal:	**$78,000.00**	**$64,250.00**	**$50,000.00**	**$37,140.00**	**$32,480.00**	**$24,560.00**	**$10,840.00**	**$19,676.80**	**$26,206.40**	**$34,048.40**
	20% Contingency:	$15,600.00	$12,850.00	$10,000.00	$7,428.00	$6,496.00	$4,912.00	$2,168.00	$3,935.36	$5,241.28	$6,809.68
	Total w/ Contingency:	$93,600.00	$77,100.00	$60,000.00	$44,568.00	$38,976.00	$29,472.00	$13,008.00	$23,612.16	$31,447.68	$40,858.08

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

Project No.: **V1999001** ***Segment Code:*** **D2-2025** ***Priority:*** **B-5-b**

Facility: ALL ***Project Lead:*** CSUPT

Project Title: Heavy Equipment Replacement Program (Reserve Fund)

Estimated Total Cost: $98,300.00

Labor: $14,300 ***Materials:*** $0 ***Contract Costs:*** $84,000

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 Heavy 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	ZEV	Authority Service Life	Forecasted Replacement Year	EQUIPMENT REPLACEMENT COST(FY19$)	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
8078	Flatbed Tilt Trailer	LBFO	2011			20	2025	$70,000	**$ 70,000**									
662	Forklift (5K lb Capacity) ONP SHOP (DSL)	ONP	1988	√		30	2026	$45,000		**$ 45,000**								
8050	Lowboy Trailer	LBFO	2007			20	2028	$135,000				**$ 135,000**						
8052	Flatbed Tilt Trailer	TFO	2007			20	2028	$70,000				**$ 70,000**						
8068	Boom Truck (26 Ton Capacity)	TFO	2009	√	√	20	2029	$300,000					**$ 300,000**					
8082	Dump Truck	TFO	2011	√	√	20	2032	$230,000								**$ 230,000**		
8083	Truck/Tractor	ALL	2012	√	√	20	2033	$160,000									**$ 160,000**	
8094	Boom Truck	LBFO	2012	√	√	20	2033	$300,000									**$ 300,000**	
8090	Compact Tracked Loader	TFO	2013	√		20	2033	$85,000									**$ 85,000**	
8099	Water Truck	TFO	2013	√	√	20	2033	$200,000									**$ 200,000**	
8100	Dump Truck	LBFO	2013	√	√	20	2033	$230,000									**$ 230,000**	
8112	Backhoe	LBFO	2016	√		20	2036	$155,000										
8113	Backhoe	TFO	2016	√		20	2036	$155,000										
8126	Water Truck	LBFO	2017	√	√	20	2037	$200,000										
8125	Excavator	TFO	2017	√		20	2037	$350,000										
8065	Forklift (2.5 Ton Capacity) (LPG)	TFO	2009	√		30	2039	$35,000										
8136	Case Magnum 180 Tractor	LBFO	2018	√		20	2039	$180,000										
8072	12' Heavy Duty Disc	TFO	2011			30	2041	$32,000										
8079	Forklift (4000 Lb Capacity) LBFO SHOP (LPG)	LBFO	2011	√		30	2041	$36,000										
8095	Forklift (4K lb Capacity) WH (Electric)	TFO	2013	√		30	2043	$39,000										
8096	Forklift (7.5 Ton Capacity) TFO YARD (LPG)	TFO	2013	√		30	2043	$101,000										
8097	Forklift (10K lb Capacity) LBFO YARD (LPG)	LBFO	2013	√		30	2043	$80,000										
8109	12' Heavy Duty Disc	LBFO	2016			30	2046	$32,000										
8132	Forklift (4K lb Capacity) JPP (Electric)	TFO	2018	√		30	2048	$39,000										
8133	Forklift (4K lb Capacity) SB&Pnt (LPG)	TFO	2018	√		30	2048	$35,000										
8135	Spray Truck (1.25 Ton)	LBFO	2018	√	√	10	2030	$160,000						**$ 160,000**				
8134	1.5 Ton Service Truck with 2 Ton Hoist	JPP	2018		√	15	2033	$95,000										
8138	Lowboy Trailer	TFO	2018			20	2039	$135,000										
2642	Dozer (w/rippers)	LBFO	1976	√		40	N/A	$300,000										
8152	200 kW Emergency Generator - Trailer Mounted	LBFO	2019	√		40	2044	$150,000										
8151	Long Reach Excavator	LBFO	2019	√		20	2039	$375,000										
8145	Grader (John Deere)	LBFO	2019	√		25	2039	$370,000										
8148	Bobcat	LBFO	2019	√		20	2040	$85,000										
8155	Genie Man Lift (Electric)	TFO	2020			20	2040	$60,000										
8160	Forklift (4K lb Capacity) JPP (LPG)	TFO	2020	√		20	2040	$45,000										
8150	Grader (John Deere)	TFO	2019	√		20	2040	$370,000										
8162	Case Magnum 180 Tractor	TFO	2020	√		20	2040	$180,000										
8157	Mower	LBFO	2020			20	2040	$30,000										
8170	Truck/Tractor	LBFO	2022	√	√	20	2042	$160,000										
8171	Spray Truck (2.5 Ton)	LBFO	2022	√	√	20	2042	$225,000										
2607	Dump Truck-OPP Trash Racks	OPP	1981		√	40	2029	$160,000										
8172	Bottom Belly Dump Trailer	LBFO	2023			25	2048	$70,000										
2630	Dump Truck	LBFO	2000	√	√	20	2022	$180,000										
8173	Front End Loader	LBFO	2023	√		20	2043	$225,000										
666	Forklift (4K lb Capacity) Pigeon Roost (LPG)	ONP	1989	√		30	2028	$35,000					**$ 35,000**					
								Total	**$ 70,000**	**$ 45,000**	**$ -**	**$ 205,000**	**$ 300,000**	**$ 160,000**	**$ -**	**$ 230,000**	**$ 975,000**	**$ -**
√ - Emissions regulated by California Air Resources Board (Off Road has bold font)							*# of Equipment Replaced*		1	1	0	2	1	0	0	1	5	0
	Currently CARB Compliant						*3% Inflation Factor per Year*		$ 2,100	$ 2,741	$ -	$ 25,729	$ 47,782	$ 31,048	$ -	$ 61,357	$ 297,154	$ -
	Funds budgeted FY23, equipment not currently available to purchase due to market conditions.							*Yearly Total*	**$ 72,100**	**$ 47,700**	**$ -**	**$ 230,700**	**$ 347,800**	**$ 191,000**	**$ -**	**$ 291,400**	**$ 1,272,200**	**$ -**
	Denotes FY25 Scheduled Replacements																**Grand Total**	**$ 2,452,900**

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY
EQUIPMENT REPLACEMENT JUSTIFICATION FORM
FY2025

TILT BED TRAILER ***ESTIMATE COST: $70,000***

EXISTING EQUIPMENT INFORMATION

VEHICLE NO: 8078 **YEAR:** 2011 **AGE (YRS.):** 12

MAKE: Jacobson **MODEL:** T40-40

DEPARTMENT: Civil Maintenance **MAINTENANCE YARD:** LBFO

CURRENT MILES: **PROJECTED HOURS WHEN REPLACED:**

MECHANICS RATING OF VEHICLE: *POOR:* ***X*** *FAIR:* *GOOD:*

DESCRIPTION AND JUSTIFICATION

DESCRIPTION OF EQUIPMENT USE WITHIN THE AUTHORITY:

This trailer is used for moving heavy equipment in support of work on the DMC and other WA Facilities. It is typically used for the moving of the backhoes and front end loaders but is also used in various other capacities to move large loads. Reliable equipment hauling trailers are necessary to support work along the DMC and to support many other WA activities.

REASON (S) FOR REPLACEMENT:

This trailer is 12 years old. The maintenance department has had multiple problems with this trailer and has performed numerous repairs. It is considered unreliable, and needs to be replaced.

The purchase of a used trailer has been evaluated and no used trailers in reasonable condition have been found in our geographical area. The following trailers were located and determined to not be of value to the Water Authority:

1. 1992 40', 20Ton trailer in Washington for $14,750: Poor condition
2. 2008 40', 20 Ton trailer in Virginia for $14,900: Poor condition
3. 2013 40', 20 Ton trailer (non tilt) in Minnesota for $23,500: Good condition, does not meet needs

Date Prepared: 8/22/2023

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

Project No.: **V1999002** ***Segment Code:*** **D1-2025** ***Priority:*** **B-6-c**

Facility: ALL ***Project Lead:*** CSUPT

Project Title: Vehicle Replacement (Reserve Fund)

Estimated Total Cost: $191,300.00

Labor: $20,900 ***Materials:*** $0 ***Contract Costs:*** $170,400

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 Program has been met. The purpose of this Reserve Project is to set-aside funding annually for replacement of the Authority vehicles. The 10-Year Replacement Plan will be presented for approval each year.

Project Purpose and Background
The San Luis & Delta-Mendota Water Authority Vehicle Replacement Program 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
FY2025 Frontline Vehicles

			A		B	C	D			E											
Veh No.	FRONT LINE VEHICLE DESCRIPTION	*Vehicle User*	Model Year	Assigned To:	Est. MILEAGE ON 3/1/2024	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$)	Future ZEV	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
				Current Calendar Year (CCY) =	2024	B ÷ (CCY - A)	(150K-B) ÷ C or 15 yrs	Current FY+D or *A + 15 yrs*	B + (E-Current FY) x C	To be reviewed each year	To be updated each year											
8091	Small SUV	Frank R	2013	Safety Officer	138,008	13,801	1	2025	138,008	2025	$36,000		$36,000									
8141	1/2 Ton Pickup	R. Martin	2018	LBFO Canal Operations	130,720	26,144	1	2025	130,720	2025	$41,000		$41,000						$41,000			
8147	3/4 Ton Pickup w/Utility Body[2]	M. Costa	2019	LBFO Canal Operations	128,120	32,030	1	2025	128,120	2025	$65,000	X	$65,000									
8105	1 Ton Utility Truck-Diesel	CMLB	2014	LBFO Civil Maint.	118,615	13,179	3	2027	131,794	2026	$92,000	X		$92,000								
8143	1/2 Ton Pickup. 4WD. Crew Cab	C. Lee	2019	O&M Manager	110,100	27,525	2	2026	137,625	2026	$65,000			$65,000						$65,000		
8062	1/2 Ton Pickup	J. Amaya	2009	TFO Electric Shop	91,062	6,504	10	2024	97,566	2026	$41,000			$41,000								
8153	Mid Size SUV[1]	F. Barajas	2020	Exec. Director	96,000	32,000	2	2026	128,000	2026	$48,000			$48,000						$48,000		
8073	3/4 Ton 4x4 Pickup	Equip. Oper	2011	TFO Civil Maint.	92,200	7,683	8	2026	99,883	2026	$58,000	X		$58,000								
8069	3/4 Ton Pickup	Equip. Oper	2010	TFO Civil Maint.	98,060	7,543	7	2025	105,603	2026	$56,000	X		$56,000								
8131	1/2 Ton Pickup	S. Harris	2018	Watermaster	105,320	21,064	3	2027	126,384	2026	$36,000	X		$36,000							$36,000	
8156	3/4 Ton Pickup w/Utility Body [2]	L. Simonich	2020	TFO Canal Operations	47,900	15,967	1	2025	79,833	2027	$65,000				$65,000							
8165	Sedan[1]	P. Arroyave	2021	COO	75,000	37,500	2	2026	150,000	2027	$38,000				$38,000						$38,000	
8159	Mid Sized SUV [1]	Bob M	2020	Facility O&M Director	56,830	18,943	5	2029	94,717	2027	$48,000				$48,000						$48,000	
8118	1/2 Ton Pickup	Michael F	2017	Mechanical Engineer	55,000	9,167	11	2032	73,333	2027	$41,000				$41,000							
8061	1 Ton Pickup w/Utility Body	JPP	2009	JPP Machine Shop	21,000	1,500	15	2024	24,000	2027	$80,000	X			$80,000							
8081	Small SUV	Dan Nunes	2012	SCADA Engineer	64,400	5,855	15	2027	76,109	2027	$36,000				$36,000							
8110	3/4 Ton Pickup w/Utility Body	A. Jorge	2016	LBFO Civil Maint	106,340	15,191	3	2027	136,723	2027	$65,000	X			$65,000							
8103	3/4 Ton Pickup. 4WD	Robert Huff	2014	LBFO Civil Maint	115,100	12,789	3	2027	140,678	2027	$58,000	X			$58,000							
8158	1/2 Ton Pickup. 4x4	B. Soares	2020	LBFO Civil Maint. Super	76,550	25,517	3	2027	153,100	2028	$45,000					$45,000						
8142	Small SUV	S.Petersen	2019	Water Policy Director	67,000	16,750	5	2029	117,250	2028	$36,000					$36,000						
8033	3/4 Ton Pickup	J. Miller	2006	JPP Machine Shop	80,000	4,706	15	2021	94,118	2028	$56,000	X				$56,000						
8137	3/4 Ton Pickup w/Flat Bed (Spray Truck)	CMLB	2018	LBFO Civil Maint.	63,100	12,620	7	2031	126,200	2030	$80,000	X						$80,000				
8139	1 Ton Pickup w/Utility Body - Diesel	CMT	2018	TFO Civil Maint.	66,300	13,260	7	2031	132,600	2030	$92,000	X						$92,000				
8140	1 Ton Pickup w/Utility Body - Diesel	CMLB	2018	LBFO Civil Maint.	75,300	15,060	5	2029	150,600	2030	$92,000	X						$92,000				
8106	1 Ton Utility Truck - Diesel	D. Ocegueda	2014	TFO Civil Maint.	28,700	3,189	15	2029	44,644	2030	$91,000	X						$91,000				
8111	1 Ton Pickup w/Utility Body	R. Hernandez	2016	LBFO Civil Maint	30,200	4,314	15	2031	56,086	2031	$75,000	X							$75,000			
8149	1 Ton Pickup w/Utility Body - Diesel	CMT	2019	TFO Civil Maint.	52,700	13,175	8	2032	131,750	2031	$92,000	X							$92,000			
8161	3/4 Ton Pickup	M. Garcia	2020	LBFO Civil Maint.	20,500	6,833	15	2035	68,333	2032	$56,000	X								$56,000		
8164	Mid Sized SUV	J. Bejarano	2021	Civil Engineer	23,800	11,900	11	2035	107,100	2032	$43,000									$43,000		
8144	Small SUV	SGMA	2019	Civil Engineer-Ground Water	31,500	7,875	15	2034	102,375	2034	$36,000											$36,000
8167	1/2 Ton Pickup	JPP	2022	JPP Machine Shop	48,100	48,100	3	2027	481,000	2034	$48,000											$48,000
8169	3/4 Ton Pickup w/Utility Body	M. Izoco	2022	Oneill PP	6,660	6,660	15	2037	66,600	2034	$65,000	X										
8168	1/2 Ton Pickup	Y. Suarez	2021	OPP C&I	12,100	6,050	15	2036	66,550	2034	$48,000											
8035	3/4 Ton Pickup w/Utility Body	ESHOP	2006	TFO Electric Shop	92,258	5,427	11	2021	75,977	2022	$40,000											
8034	3/4 Ton Pickup w/Utility Body	ESHOP	2006	TFO Electric Shop	91,420	5,378	11	2021	75,287	2022	$40,000											
8174	1/2 Ton Ext Cab 4X4[2]	P. Nacci	2023	LBFO Canal Operations	18,000	33,000	4	2028	150,000	2023	$40,000						$40,000					
8122	1/2 Ton Pickup[2]	K. Silva	2017	TFO Canal Operations	176,410	29,402	-2	2022	117,607	2023	$27,500						$27,500					
8123	1/2 Ton Pickup[2]	Rodney Huff	2017	LBFO Canal Operations	19,600	3,267	-2	2022	13,067	2023	$27,500						$27,500					
8175	1/2 Ton Ext Cab 4X4[2]	Walsh	2023	LBFO Eng. HT3	18,000	33,000	4	2028	150,000	2023	$40,000						$40,000					
8107	3/4 Ton Pickup w/Utility Body [2]	Hyrdrographer	2016	TFO Canal Operations	165,000	23,571	-1	2023	141,429	2024	$50,000											
8120	Mid Sized Sedan	S. Davis	2017	IT	148,100	24,683	1	2025	123,417	2024	$31,000											
8177	1/2 Ton Pickup	J. Willyard	2023	Operations Supervisor	15,000	24,000	6	2030	159,000	2031	$32,000											
8179	1/2 Ton Pickup	R. Nazabel	2023	TFO Civil Maint.Foreman	10,000	22,000	7	2031	164,000	2032	$32,000											
8176	Small SUV	Jaime M.	2024	Engineering Manager	12,000	20,000	7	2031	132,000	2031	$32,000											
8178	1/2 Ton Pickup[2]	S. Posey	2023	LBFO Canal Operations	15,000	30,000	5	2029	135,000	2029	$33,000											
			45								Total		$ 142,000	$ 396,000	$ 431,000	$ 137,000	$ 135,000	$ 355,000	$ 208,000	$ 212,000	$ 122,000	$ 84,000
											# of Vehicles Replaced		3	7	8	3	4	4	3	4	3	2
											3% Inflation Factor per Year		$ 4,260	$ 24,116	$ 39,965	$ 17,195	$ 21,502	$ 68,889	$ 47,814	$ 56,555	$ 37,182	$ 28,889
											Total Dollar Amount		$ 146,300	$ 420,200	$ 471,000	$ 154,200	$ 156,600	$ 423,900	$ 255,900	$ 268,600	$ 159,200	$ 112,900
											NOTE: Vehicle replacement costs rounded up to the nearest $500.										**Grand Total**	**$ 2,422,500**
											Inflation Adjustment		1.03	1.0609	1.0927	1.1255	1.1593	1.1941	1.2299	1.2668	1.3048	1.3439

Notes:

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
FY24 Funds Budgeted/PO Issued, awaiting delivery
Denotes FY25 scheduled replacements

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY
VEHICLE REPLACEMENT JUSTIFICATION FORM
FY2025

SMALL SUV ***ESTIMATE COST: $36,000***

EXISTING VEHICLE INFORMATION

VEHICLE NO: 8091 **YEAR:** 2013 **AGE (YRS.):** 10

MAKE: Chevrolet **MODEL:** Equinox

DEPARTMENT: Safety Officer **MAINTENANCE YARD:** TFO

CURRENT MILEAGE: 124,100 **PROJECTED MILEAGE WHEN REPLACED:** 131,000

MECHANICS RATING OF VEHICLE: *POOR:* *FAIR:* ***X*** *GOOD:*

DESCRIPTION AND JUSTIFICATION

DESCRIPTION OF VEHICLE USE WITHIN THE AUTHORITY:

This vehicle is used by the Safety Officer. The Safety Officer is responsible for coordinating safety activities associated with the routine and emergency operations at the JPP, OPP, DMC and other WA Facilities.

The Safety Officer is required to be available for call outs on a 24/7 basis. Therefore a highly reliable vehicle is a necessity of this position.

REASON (S) FOR REPLACEMENT:

At the time of replacement, the vehicle will be at approximately 131,000 miles. It will exceed 150,000 miles in FY25; which is one of the replacement criteria for vehicles.

This vehicle will be reassigned to another department as a secondary use vehicle.

INTENDED USE AFTER REPLACEMENT: *REASSIGNMENT TO:* Engineering *SURPLUS:*

VEHICLE TO BE SURPLUSED:

VEHICLE NO: 8101 **YEAR:** 2014 **AGE (YRS):** 9

MAKE: Chevy **MODEL:** Traverse

DEPARTMENT: Engineering **MAINTENANCE YARD:** TFO

CURRENT VEHICLE MILEAGE: 180,000

MECHANICS RATING OF VEHICLE: *POOR:* ***X*** *FAIR:* *GOOD:*

GENERAL NOTE:

Date Prepared: 8/22/2023

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY
VEHICLE REPLACEMENT JUSTIFICATION FORM
FY2025

1/2 TON PICKUP ***ESTIMATE COST: $41,000***

EXISTING VEHICLE INFORMATION

VEHICLE NO: 8141 **YEAR:** 2018 **AGE (YRS.):** 5

MAKE: Ram **MODEL:** 1500

DEPARTMENT: Canal Operations **MAINTENANCE YARD:** LBFO

CURRENT MILEAGE: 109,000 **PROJECTED MILEAGE WHEN REPLACED:** 130,800

MECHANICS RATING OF VEHICLE: *POOR:* ***X*** *FAIR:* *GOOD:*

DESCRIPTION AND JUSTIFICATION

DESCRIPTION OF VEHICLE USE WITHIN THE AUTHORITY:

This vehicle is assigned to LBFO Canal Operations. It is used for routine, daily operations associated with the DMC.

REASON (S) FOR REPLACEMENT:

Due to the high use of vehicles by the Canal Operations department, this vehicle is scheduled for replacement every 5 to 6 years or 150,000 miles. This vehicle will exceed 150,000 miles in FY25.

INTENDED USE AFTER REPLACEMENT: *REASSIGNMENT TO:* *SURPLUS:* ***X***

VEHICLE TO BE SURPLUSED:

VEHICLE NO: **YEAR:** **AGE (YRS):**

MAKE: **MODEL:**

DEPARTMENT: **MAINTENANCE YARD:**

CURRENT VEHICLE MILEAGE:

MECHANICS RATING OF VEHICLE: *POOR:* *FAIR:* *GOOD:*

GENERAL NOTE:

Date Prepared: 8/22/2023

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY
VEHICLE REPLACEMENT JUSTIFICATION FORM
FY2025

¾ TON PICKUP WITH UTILITY BODY ***ESTIMATE COST: $65,000***

EXISTING VEHICLE INFORMATION

VEHICLE NO: 8147 **YEAR:** 2019 **AGE (YRS.):** 4

MAKE: Ram **MODEL:** 2500

DEPARTMENT: Canal Operations **MAINTENANCE YARD:** LBFO

CURRENT MILEAGE: 105,000 **PROJECTED MILEAGE WHEN REPLACED:** 129,000

MECHANICS RATING OF VEHICLE: *POOR:* *FAIR:* ***X*** *GOOD:*

DESCRIPTION AND JUSTIFICATION

DESCRIPTION OF VEHICLE USE WITHIN THE AUTHORITY:

This vehicle is assigned to LBFO Canal Operations. It is used for routine meter repairs and operations associated with the DMC. These functions include but not limited to:

- Routine servicing meters
- Performing flow testing
- Routine operation of the DMC

REASON (S) FOR REPLACEMENT:

Due to the high use of vehicles by the Canal Operations department, this vehicle is scheduled for replacement every 5 to 6 years or 150,000 miles. This vehicle will exceed 150,000 miles in FY25

This vehicle will be reassigned to another department as a secondary vehicle.

INTENDED USE AFTER REPLACEMENT: *REASSIGNMENT TO:* OPP *SURPLUS:*

VEHICLE TO BE SURPLUSED:

VEHICLE NO: 8070 **YEAR:** 2011 **AGE (YRS):** 13

MAKE: Ford **MODEL:** F-250

DEPARTMENT: ES **MAINTENANCE YARD:** TFO

CURRENT VEHICLE MILEAGE: 165,000

MECHANICS RATING OF VEHICLE: *POOR:* ***X*** *FAIR:* *GOOD:*

GENERAL NOTE:

Date Prepared: 8/22/2023

San Luis & Delta-Mendota Water Authority

Extraordinary O&M Projects

Project Description and Justification Sheet

Project No.: **C2011001** ***Segment Code:*** **D3-2025** ***Priority:*** **B-7-c**

Facility: ALL ***Project Lead:*** CIVIL

Project Title: Facility Infrastructure Replacement/Rehabilitation Program

Estimated Total Cost: $269,600.00

Labor: $22,400 ***Materials:*** $0 ***Contract Costs:*** $247,200

Project Description and Scope:

The projects planned for the Facility Infastructure Replacement/Rehabilitation Program are summarized in the attached 10-year plan.

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 the Delta-Mendota Canal through the transfer agreement. Certain infrastructure, such as the Tracy Field Office, the Los Banos Field Office and the Los Banos Administration Office are in place to provide the necessary office and work space to properly support the O&M of the transferred works. The majority of this infrastructure was constructed in the 1950's and 1960's and the existing buildings at the Tracy Field Office were built in 1996. The purpose of this reserve fund is to fund required repairs/rehabilitation projects as they are needed.

Project Status:

See attached Facility Infrastructure 10 Year Plan.

San Luis & Delta-Mendota Water Authority
Facility Infrastructure 10 Year Plan

	How Often (Yrs)	Est. Cost (x1000)	Year Last Performed	Forecasted Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Tracy Field Office Facilities					$ 200	$ 133	$ 16	$ -	$ 50	$ -	$ 45	$ 21	$ -	$ -
Entire O&M Compound					$ 105	$ 20	$ -	$ -	$ 50	$ -	$ 45	$ -	$ -	$ -
Asphalt Pavement Areas					$ 105	$ -	$ -	$ -	$ 50	$ -	$ -	$ -	$ -	$ -
Seal Coat Surfacing & Striping (incl USBR Lot)	5	41	2017	2022	$ 105				$ 50					
Alarm & Security Systems					$ -	$ 20	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Fire Alarm System Replacement	30	20	2011	2041										
Front Entry Gate - Keypad Replacement						$ 20								
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 (72 Years Old)					$ -	$ -	$ 10	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Roofing Systems					$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Roof Re-seal/Overlay/Replacement	20	15	2021	2041										
Building Interior/Exterior Components					$ -	$ -	$ 10	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Interior Maintenance (Painting)	20	10	2007	2027			$ 10							
Kitchen Remodel	25	15	1980	2005										
Flooring Replacement (Carpet/Tile)	15	20	2007	2022										
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 (28 Years Old)					$ 70	$ 18	$ 6	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Roofing Systems					$ 70	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Roof Repair/Replacement	25	25	1996	2021	$ 70									
Building Interior/Exterior Components					$ -	$ 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										
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										
Adminstration/Electric Shop Building (28 Years Old)					$ -	$ 70	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Roofing Systems					$ -	$ 70	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Roof Repair/Replacement	25	25	1996	2021		$ 70								
Building Interior/Exterior Components					$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Building HVAC					$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Building Fire Protection System					$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Component Replacement (Sprinklers & Detectors)	50	10	1996	2046										
Civil/Vehicle Maintenance Building (28 Years Old)					$ 25	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Roofing Systems					$ 25	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Roof Repair/Replacement	25	25	1996	2021	$ 25									
Building Interior/Exterior Components					$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Building HVAC					$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Building Fire Protection System					$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Component Replacement (Sprinklers & Detectors)	50	10	1996	2046										
Sandblast and Paint Building (22 Years Old)					$ -	$ 25	$ -	$ -	$ -	$ -	$ -	$ 21	$ -	$ -

San Luis & Delta-Mendota Water Authority
Facility Infrastructure 10 Year Plan

	How Often (Yrs)	Est. Cost (x1000)	Year Last Performed	Forecasted Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
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										
Los Banos Field Office & Maintenance Facility					***$ -***	***$ 57***	***$ -***	***$ 87***	***$ -***	***$ 25***	***$ 45***	***$ -***	***$ -***	***$ -***
Entire O&M Compound					***$ -***	***$ 20***	***$ -***	***$ 45***	***$ -***	***$ 25***	***$ 45***	***$ -***	***$ -***	***$ -***
Asphalt Pavement Areas					$ -	$ -	$ -	$ -	$ -	$ 25	$ -	$ -	$ -	$ -
Seal Coat Surfacing & Striping (2009)	10	20	2019	2029						$ 25				
Alarm & Security Systems					$ -	$ 20	$ -	$ 45	$ -	$ -				
Fire Alarm System Replacement (2008)	20	20	2008	2028				$ 20						
Front Entry Gate - Keypad Replacement						$ 20								
Security System Replacement (2008)	20	25	2008	2028				$ 25						
Domestic Water Well					$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Wash Water Recycling System					$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
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 (17 Years Old)					***$ -***	***$ 37***	***$ -***	***$ 42***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***
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					$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Building Plumbing System					$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Kitchen/Lunchroom Remodel	20	18	1992	2012										
TOTALS (x $1000)					$ 200	$ 190	$ 26	$ 87	$ 50	$ 25	$ 90	$ 21	$ -	$ -
3% Inflation Factor per Year (x $1000)					$ 6.0	$ 11.6	$ 2.4	$ 10.9	$ 8.0	$ 4.9	$ 20.7	$ 5.6	$ -	$ -
Yearly Total (x $1000)					***$ 206***	***$ 202***	***$ 29***	***$ 98***	***$ 58***	***$ 30***	***$ 111***	***$ 27***	***$ -***	***$ -***

Yearly Total rounded up to the nearest $1,000

10 Year Grand Total **$ 899**

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

Project No.: **E2000004** ***Segment Code:*** **D0-2025** ***Priority:*** **C-6-b**

Facility: ALL ***Project Lead:*** NETW

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

Estimated Total Cost: $480,300.00

Labor: $205,500 ***Materials:*** $163,200 ***Contract Costs:*** $111,600

Project Description and Scope:
The computer/network communication equipment scheduled to be replaced this FY is summarized on the attached 10 year plan. Note: All recurring annual subscription and maintenance costs are incorporated in the RO&M budget utilizing region 51.

Project Purpose and Background
To ensure that the 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, fax machines, printers, office telephone systems, and fuel distribution systems and software 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. Certain Cybersecurity technology was added to the FY24 budget and additional technologies for FY25. Campus security system, workstations, servers, cameras, door and motion sensors and maintenance contracts, (upgrade recently performed by BOR), will also be part of FY25 and beyond.

Project Status:
Reserve Fund - See attached 10-year plan

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

	No. in Use	Life-span (in years)	No. per Year	Cost EA	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	TOTAL	
Computers & Peripherals																	
Computers - workstations	50	5	Note 1	$1,100	$3,300	$3,300	$45,100	$3,300	$3,300	$3,300	$45,100	$5,000	$5,000	$5,000	$55,000	**$176,700**	
Office Open License	50	7		$395	$1,185	EOL										**$1,185**	
Computers - laptops	42	4/5		$2,700	$27,000	$2,700	$13,500	$27,000	$24,300	$5,400	$9,000	$29,700	$27,000	$7,000	$11,000	**$183,600**	
Office Open License	42	7		$395	$3,950	EOL										**$3,950**	
Monitors	69	7	Note 2	$350	$7,000	$7,000	$7,000	$1,050	$1,050	$1,050	$1,050	$7,000	$2,000	$2,000	$7,000	**$43,200**	
Servers	8	5	Note 3		$25,500	$15,000			$25,500	$15,000		$8,000	$26,000			**$115,000**	
VM-Ware				$1,500					$3,000							**$3,000**	
Server OS for Virtual or Upgrade	8			$700	$4,200				$6,000				$12,000			**$22,200**	
CALS for Server or Upgrade	105	5		$36	$3,800				$3,800				$6,000			**$13,600**	
Server Application																	
Exchange and CAL's	1/106			$8,000		EOL											
Office 365 (32 per user per Mo (384))	105	1	Note16	$384			$17,940	$9,750	$9,360	$17,940	$9,750	$9,360	$17,940			**$92,040**	
SQL and CAL's																	
Switches	12	5	Note 4					$15,000				$25,000				**$40,000**	
Backup System(s) Onsite	3	3	Note 5			$20,000			$20,000			$30,000			$35,000	**$105,000**	
Maintenance Renewals		2															
iPad	10	5	Note15	$950	$14,250					$19,000					$30,000	**$63,250**	
Cyber Security			Note17														
Anti-virus/spam software/image software	125	3	Note 6	$70			$8,750			$8,750			$8,750			**$26,250**	
Firewall(s)	2	5	Note 7		$0	$6,000	$0	$17,000		$0	$8,000					**$31,000**	
Cloud Back Up	3	3		$1,885			$5,700			$5,700			$5,700			**$17,100**	
Air Gapped Backup & Archive Device(s)	4	4		$350	$350	$350	$350	$5,800	$350	$350	$350	$5,800	$350	$5,800	$350	**$20,200**	
Training (End User)							$8,000			$8,000			$8,000			**$24,000**	
Penetration Testing (Bi-Annual)						$3,000		$3,000		$3,000		$3,000				**$12,000**	
Intrusion Monitoring Appliance					$40,000	$40,000	$40,000	$48,000	$48,000	$48,000	$48,000	$57,600	$57,600	$57,600	$57,600	**$542,400**	
Multi Factor Authentication			Note 18		$18,000	$18,000	$18,000	$18,000	$18,000	$18,000	$18,000	$18,000	$18,000	$18,000	$18,000	**$198,000**	
Office Equipment																	
Copiers	6	4-7	Note 9			$12,000		$28,000		$6,000						**$46,000**	
Fax Machines	4	10	Note 10				$500				$500					**$1,000**	
Phone System	4	15	Note 11					$15,000	$10,000	$15,000	$15,000	$45,000				**$100,000**	
Handsets						$2,500		$2,500		$2,500		$2,500				**$10,000**	
Printers	25	5-7		$450	$450	$3,600	$450	$3,600	$450	$3,600	$450	$450	$4,500	$1,000	$2,000	**$20,550**	
Plotter	1	10	Note 12	$15,000								$17,000				**$17,000**	
Other Equipment																	
Fuel System	1	10			$35,000										$45,000	**$80,000**	
Campus Security (Support/Maintenance/Parts)			Note 19		$45,000	$45,000	$45,000	$45,000	$45,000	$45,000	$45,000	$45,000	$45,000	$45,000	$45,000	**$495,000**	
				TOTAL	**$228,985**	**$178,450**	**$210,290**	**$242,000**	**$218,110**	**$225,590**	**$200,200**	**$308,410**	**$243,840**	**$141,400**	**$305,950**	**$2,503,225**	$2,503,225
					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	26-D0-10-34	26-D0-10-35		

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.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/updatesthen Purchase 2-year support/update contract and repeal
Note 9: Replace Warehouse copier(s)Tracy, Sacramento,Warehouse, LBAO, LBFO.
Note 10: Replaced the TAO and LBAO fax machines in 2023. Next replacement scheduled 2027. hope to move to Email as a Fax(dependent on insurancw requirements
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 Orde
Note 15: Purchased for STORM 2019/FY20 Estimated 5yr life in outdoor environment Price includes saftey cover/ future use will also include Shepherd Service order systen
Note 16; 3yr licenses. Microsoft has discontinued perpetual lic module for a SaaS model. Cost will increase from $379 per Device for 5-7 years to $384 per user per Y
Note 17: Newly created category that will expand with more line items in future years as technology evovles and matures. And new legal and Insurance requirments are imposec
Note 18: Initial purchase from FY24 RO&M and future multiyear dicounted to be purchased via EO&M 10yı
Note 19: New category/item BOR installing upgraded system- WA required to maintain system after completed. Estimated WAC
EOL = End of Life

Prepared 7/21/2022

ATTACHMENT 4

EO&M/CIP Project Carryover Information

SAN LUIS DELTA-MENDOTA WATER AUTHORITY
FUND 26 EOM RESERVE FUNDING STATUS @ 08/31/2023

Actual Expenses Through 08/31/23
FUND 26

Projected	**3/1/98 - 2/28/24**	**Estimated Cumulative E O&M Reserve Funding**	**$**	**59,790,350.00**
		Estimated Cumulative E O&M Reserve Funding Interest Earnings/Other	**$**	**1,285,082.58**
		Total Estimated Cumulative Reserve Funding	**$**	**61,075,432.58**

Total Estimated Cumulative Reserve Funding	**$**	**61,075,432.58**
Less Estimated Amount Allocated to Emergency Reserve through 2/28/23	**$**	**(2,214,945.85)**
Estimated Reserve Funding Available for E O&M Project Expense through 2/28/23	**$**	**58,860,486.73**
Cumulative E O&M Project Expense through 8/31/23	**$**	**(43,428,344.86)**
Estimated Remaining Expense for Open EO&M Projects through completion	**$**	**(14,822,055.20)**
***Estimated Excess Cumulative Reserve Funding Available @ 08/31/23**	**$**	**610,086.67**

*Estimated Excess Collections to Levelize Future Reserve Funding Obligations

Updated 11/01/23
R Tarka

FY24 - 2nd Qtr Report
As of Date: August 31, 2023
Updated by: Dratliff
Date Updated: 11/01/23 by DR & x/xx/xx by BM, JM & RT

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY
EXTRAORDINARY O & M PROJECTS BUDGET TO ACTUAL (by fiscal year) REPORT

Acct Code	Fund 26	Project Description	Total Project Expended To date	Total Remaining for Project	Estimated Remaining Expense for Currently Funded Projects	Anticipated USBOR/DWR Reimbursements	Estimated E,O&M Fund/Project Running Balance	Comments
		Completed Projects Remaining Balance:		**(806,707.05)**			**(806,707.05)**	
5523	D0	Replacement Computer/Network Comm. Equip	**1,113,701.09**	**625,853.91**	**625,853.91**		**(180,853.14)**	Reserve Project, funds to remain
5541	D1	Replacement Vehicles	**2,681,674.53**	**481,064.91**	**481,064.91**		**300,211.77**	Reserve Project, funds to remain
5544	D2	Purchase New Heavy Equipment	**5,022,868.31**	**610,330.47**	**610,330.47**		**910,542.24**	Reserve Project, funds to remain
7226	D3	ALL-Facility Infrastructure Replacement	**423,993.73**	**803,406.27**	**803,406.27**		**1,713,948.51**	Reserve Project, funds to remain
	D4	SCADA Replacement & Modernization Program	**32,266.25**	**576,433.75**	**576,433.75**		**2,290,382.26**	Reserve Project, funds to remain
	E1	TFO/LBFO/DCI Arc Flash Study	**146,280.00**	**100,477.00**	**100,477.00**		**2,390,859.26**	Project in Progress
7012	E6	DMC O&M Road Maintenance Program	**853,815.08**	**623,817.92**	**315,000.00**		**3,014,677.18**	Project Complete. Final Billing not completed
	F4	JPP Unit Rewind (Rotor & Stator) (Unit 2 Labor Only)	**879,288.12**	**858,511.88**	**858,511.88**		**3,873,189.06**	Project in Progress
7209	F9	Excitation Cabinet & Control Panel Refurbishment ($500K to be reallocated)	**1,093,856.07**	**1,966,213.93**	**1,966,213.93**		**5,839,402.99**	Project in Progress
	G3	Main Transformer Rehabilitation	**1,198,256.82**	**4,712,243.18**	**4,712,243.18**		**10,551,646.17**	Project in Progress
	H0	JPP Domestic Water Treatment Plant Replacement	**65,728.01**	**252,871.99**	**252,871.99**		**10,804,518.16**	Project in Progress
	H3	DCI Fire Protection System Assessment	**38,144.18**	**3,855.82**	**-**		**10,808,373.98**	Project Complete
	H4	JPP Fire Protection System Assessment	**66,532.38**	**16,267.62**	**-**		**10,824,641.60**	Project Complete
	H5	ONP Fire Protection System Assessment	**66,375.84**	**17,524.16**	**-**		**10,842,165.76**	Project Complete
	I3	DMC Subsidence Correction Preliminary Assessment	**4,176,469.80**	**(1,564,369.80)**	**(1,564,369.80)**	**2,447,721.00**	**9,277,795.96**	Project in Progress (Grant invoicing to occur to USBR & DWR)
	I4	DMC Bridge Abutment Repair at MP 92.73	**-**	**507,000.00**	**507,000.00**		**9,784,795.96**	Project in Progress
	I6	DMC Turnout Flowmeter Upgrade	**491,607.78**	**284,592.22**	**284,592.22**		**10,069,388.18**	Project in Progress
	J1	JPP Purchase Wear Rings	**-**	**326,400.00**	**326,400.00**		**10,395,788.18**	Project Deferred, funds to remain
	J2	ONP Pump Bowl Replacement (Design)	**31,007.22**	**1,921,092.78**	**1,921,092.78**		**12,316,880.96**	Project in Progress
	J4	ONP Penstock Cathodic Protection System	**153,257.34**	**27,342.66**	**-**		**12,344,223.62**	Project Complete
	J5	ONP UPS Battery Charging System	**8,667.86**	**93,232.14**	**93,232.14**		**12,437,455.76**	Project in Progress
	K0	ONP Station Service Backup Battery System Replacement	**2,830.07**	**126,869.93**	**126,869.93**		**12,564,325.69**	Project in Progress
	K1	JPP Concrete Slab by Trashrake Dumpster	**22,000.00**	**466,600.00**	**466,600.00**		**13,030,925.69**	Project in Progress
	K2	DCI HVAC System Rehab/Replacement	**-**	**99,400.00**	**99,400.00**		**13,130,325.69**	Project Deferred, funds to remain
	K5	SCADA System Evaluation	**114,050.14**	**56,749.86**	**56,749.86**		**13,187,075.55**	Project in Progress
	K6	ONP Accusonic Flowmeter Console Upgrades	**171,366.90**	**5,833.10**	**-**		**13,192,908.65**	Project Complete
	L0	ONP Cooling Water System Rehabilitation Design	**-**	**332,100.00**	**332,100.00**		**13,525,008.65**	Project in Progress. Note: $110,800 has been taken from this project and will be used to fund contract for L3 ONP Plant Water Storage Tank Rehabilitation (approved by FAC Oct 2023)
	L2	ONP Sand Filter System Rehabilitation Design	**-**	**382,100.00**	**382,100.00**		**13,907,108.65**	Project in Progress
	L3	ONP Plant Water Storage Tank Rehabilitation	**960.50**	**108,239.50**	**108,239.50**		**14,015,348.15**	Project in Progress
			43,428,344.86	**14,822,055.20**	**14,442,413.92**	**2,447,721.00**	**14,015,348.15**	
CIP	Fund 25							
	F4	Unit Rewind - Phase 6 (USBR Funding)	**27,980,418.49**	**6,750,565.51**	**6,750,565.51**	**6,750,565.51**	**-**	Project in Progress, funds to remain
	F9	Excitation Cabinet * Control Panel Refurbishment	**15,332.60**	**1,799,567.40**	**1,799,567.40**		**1,799,567.40**	Project in Progress, funds to remain
	I3	DMC Subsidence Correction Project	**15,578.50**	**2,282,121.50**	**2,282,121.50**		**4,081,688.90**	Project in Progress, funds to remain
			30,769,196.12	**10,832,254.41**	**10,832,254.41**	**6,750,565.51**	**4,081,688.90**	

San Luis & Delta-Mendota Water Authority
Proposed Operations, Maintenance, and Replacement Budget for Fiscal Year 2025
Budget Workshop – January 17, 2024

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY

OM&R Budget
For Fiscal Year 2025

Budget Process

- O&M Technical Committee reviews the proposed Routine OM&R and Extraordinary OM&R budgets for approval for submittal to Finance Committee.
- Finance Committee reviews and recommends the OM&R budget including any salary adjustments for submittal to the Board of Directors.
- The proposed budget will be circulated to all Contractors for a 30 day review and comment period.
- Board of Directors approves the final budget in January/February.

Components of Budget

ROUTINE OM&R (RO&M)

- Annual/Routine/PM
- Facilities Operations
- Projects/Equipment <$20K
- Costs Include:
  - Labor & Benefits
  - Services/Supplies
  - Capital Assets
  - Other Charges

EXTRAORDINARY OM&R (EO&M)

- Projects consisting of Major Maintenance and Replacement or Repair Projects > $20K
- Vehicle/Equipment > $15K
- Computer/Network Equipment
- Costs include:
  - Labor
  - Parts/Materials & Equipment
  - Contract

Components of Budget, cont'd

- BUREAU FUNDED WORK
  - Labor, Supplies, Materials & Equipment for Requested or Emergency Work Associated with:
    - Tracy Fish Collection Facility
    - Fish Release Sites
    - O&M Tracy Facility
    - Delta Cross Channel
  - No Grant Funded Projects

BUDGET COMPARISION SUMMARY

APPROVED FY2024
VS.
PROPOSED FY2025

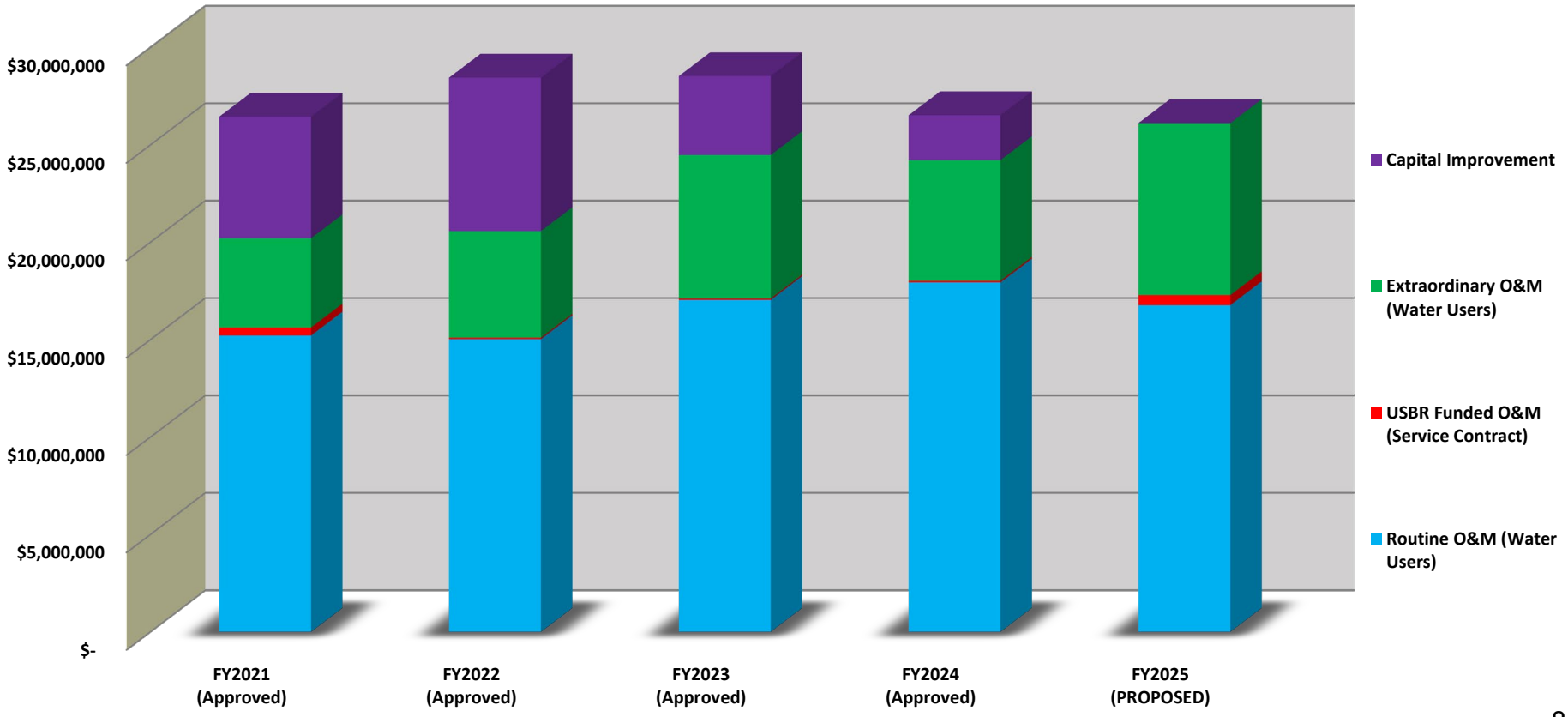
SAN LUIS & DELTA-MENDOTA WATER AUTHORITY
FY2024 APPROVED, PROPOSED FY2025 TOTAL BUDGET SUMMARY

O&M Budget Summary	Approved FY24 Budget A	Proposed FY25 Budget B	% Change FY24 - FY25 (B-A)/A
Routine O&M (Water Users)	$ 17,940,253	$ 16,775,477	-6.49%
USBR Funded O&M (Service Contract)	$ 83,950	$ 512,791	510.83%
TOTAL (Water Users & USBR)	**$ 18,024,203**	**$ 17,288,268**	**-4.08%**
Extraordinary O&M (Water Users)	$ 6,198,000	$ 8,829,600	42.46%
Capital Improvements Projects	$ 2,297,700	$ -	-100.00%
TOTAL (EO&M/CIP)	**$ 8,495,700**	**$ 8,829,600**	**3.93%**
TOTAL (includes Service Contract)	**$ 26,519,903**	**$ 26,117,868**	**-1.52%**
Total Self Funded Budget (Water Users, excludes Service Contract)	**$ 26,435,953**	**$ 25,605,077**	**-3.14%**

NOTE:
SLDMWA received approval on Bipartisan Infrastructure Law (BIL) funding applications for the DMC Subsidence Correction Project and the JPP Excitation Cabinet and Control Panel Refurbishment Project. Each project was awarded $25M. Both projects are multi-phased and multi-year projects. As a result of this funding, there will be no funding requested in FY25 for either of these projects. Repayment of this funding will be addressed separately.

TOTAL O&M BUDGETS

	FY2021 (Approved)	FY2022 (Approved)	FY2023 (Approved)	FY2024 (Approved)	FY2025 (PROPOSED)
Routine O&M (Water Users)	$ 15,217,122	$ 15,031,622	$ 17,040,952	$ 17,940,253	$ 16,775,477
USBR Funded O&M (Service Contract)	$ 412,464	$ 72,781	$ 73,202	$ 83,950	$ 512,791
Extraordinary O&M (Water Users)	$ 4,578,681	$ 5,472,950	$ 7,368,800	$ 6,198,000	$ 8,829,600
Capital Improvement	$ 6,238,400	$ 7,874,000	$ 4,047,200	$ 2,297,700	$ -
TOTAL:	**$ 26,446,667**	**$ 28,451,353**	**$ 28,530,154**	**$ 26,519,903**	**$ 26,117,868**



PROPOSED FY2025 BUDGET SUMMARY

SLDMWA ANNUAL BUDGET
SELF-FUNDED & USBR - FUNDED O&M ONLY

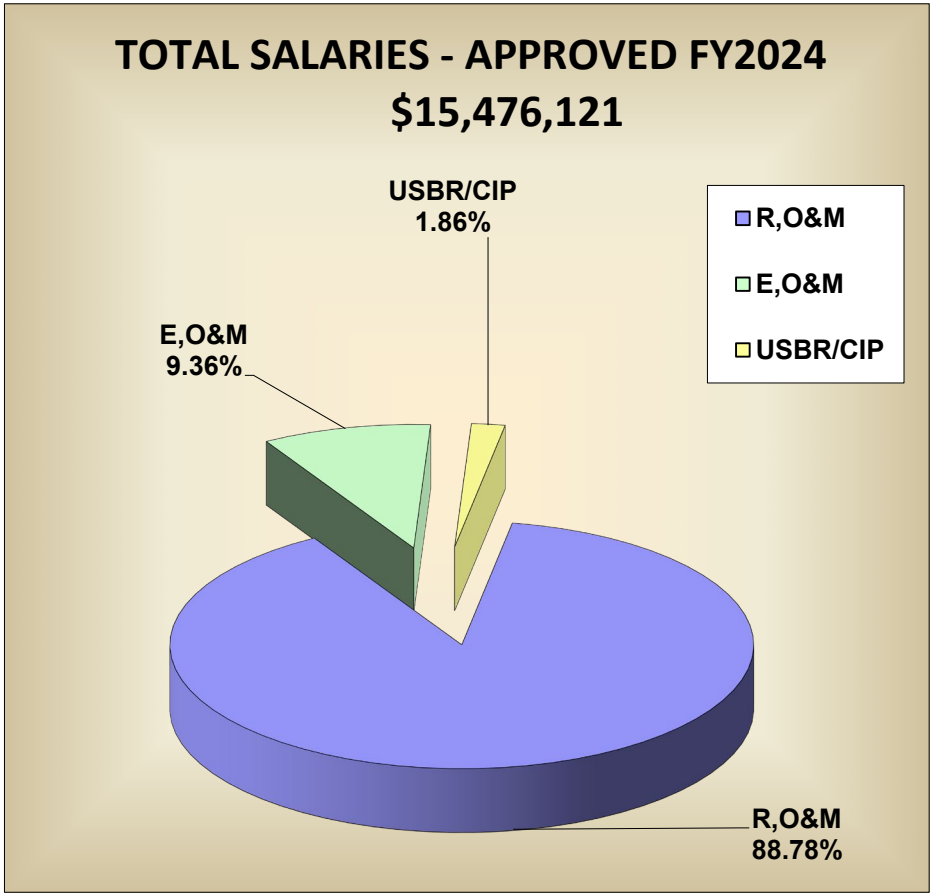
SLDMWA ANNUAL BUDGET SELF-FUNDED & USBR - FUNDED O&M ONLY		FY2024 APPROVED BUDGET	FY2025 PROPOSED BUDGET
SALARIES & EMPLOYEE BENEFITS			
5101	Salaries	9,247,362	8,508,407
5102	Overtime	308,000	464,251
5103	Salary Related Benefits	1,849,472	1,701,681
5108	Sick Cash Out Expense	22,000	22,000
5141	Health Insurance - SLDMWA Contr	2,312,887	2,092,913
	Subtotal Salaries & Employee Benefits	**13,739,721**	**12,789,252**

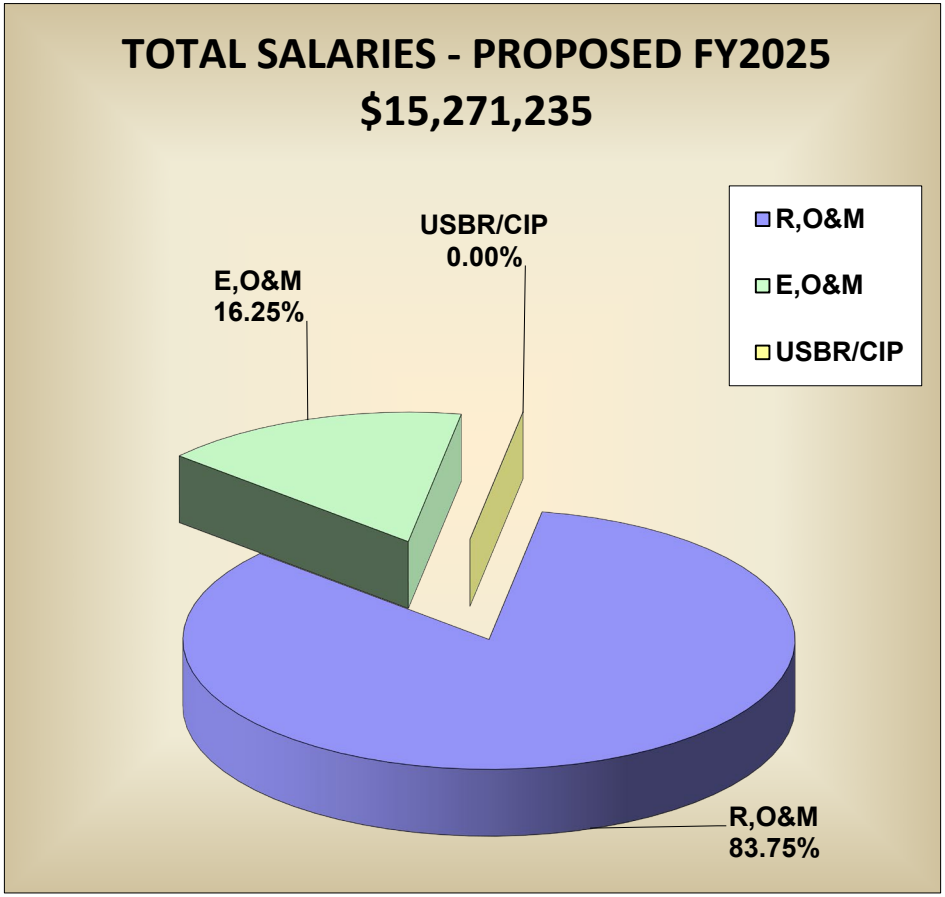
SLDMWA ANNUAL BUDGET SELF-FUNDED & USBR - FUNDED O&M ONLY		FY2024 APPROVED BUDGET	FY2025 PROPOSED BUDGET
SUPPLIES & SERVICES			
5210	Office Services & Supplies	58,050	73,200
5211	Mailing Costs	6,650	6,500
5216	Small Tools	54,500	53,200
5221	Clothing, Personal Equip/Laundry Srvcs	51,300	56,500
5226	Janitorial Supplies & Services	12,550	13,450
5227	Engineering Consultant	169,500	151,000
5228	Auditing	50,000	59,000
5229	Legal	109,500	149,000
5231	Other Professional Services	378,500	455,250
5237	Fees & Licenses	23,080	24,555
5241	Other Services & Expenses	443,630	503,200
5243	Computer Software	60,610	80,850
5246	Rents/Leases - Ofc. Machinery & Equipment	2,940	3,300
5247	Organizational Membership Dues	25,000	25,000
5251	Professional Organization Dues	6,930	8,300
5256	Conference & Training Costs	184,615	188,915
5261	Travel	97,600	101,750
5271	Employee & Group Meetings	29,850	34,100
5286	Parts/Materials - Vehicle/Constrct Equip	85,000	90,000
5288	Petroleum, Oil & Lubricants	284,750	410,000
5291	Outside Services - Vehicle/Constrct Equip	78,050	82,000
5296	Rents/Leases - Vehicle/Constrct Equip	56,000	58,000
5301	Parts & Materials - Bldg/Grnds/Mach/Equip	534,800	498,500
5311	Outside Services - Bldg/Grnds/Mach/Equip	269,800	309,250
5316	Rents/Leases - Land & Buildings	141,102	141,102
5331	Pipe, Metal & Treatments	55,700	66,900
5341	Sand, Backfill & Rock	28,000	31,500
5351	Concrete & Paving Material	30,000	30,000
5361	Chemicals	155,075	164,525
5372	Telephone Expenses	117,030	147,970
5373	Energy	76,600	76,600
5375	Network Communications	79,000	79,000
5376	Hazardous Waste Disposal	16,800	17,500
5377	Disposal Expense	37,780	38,780
	Subtotal Services & Supplies	**3,810,292**	**4,228,697**

SLDMWA ANNUAL BUDGET SELF-FUNDED & USBR - FUNDED O&M ONLY		FY2024 APPROVED BUDGET	FY2025 PROPOSED BUDGET
OTHER CHARGES & CAPITAL ASSETS			
5401	Insurance Premiums & Fees	292,600	303,500
	Subtotal Other Charges	**292,600**	**303,500**
5521	New/Replacement Equipment & Furniture	152,590	144,640
5523	Computer Hardware	19,000	33,000
5526	Water Meters	10,000	10,000
5541	Automotive & Light Trucks	0	0
5544	Heavy Equipment	0	0
5561	Construction Equipment/Payment	0	19,400
	Subtotal Capital Assets	**181,590**	**207,040**
	TOTAL ROUTINE O&M BUDGET	**18,024,203**	**17,528,489**
Less:	**Allocated indirect charged to EO&M Reserve**	**-594,193**	**-1,795,062**
	Allocated indirect charged to PAT Grants	**0**	**0**
	Allocated Indirect charged to CIP & Other Funds	**-356,736**	**-240,220**
	ADJUSTED ROUTINE O&M BUDGET TOTAL	**17,073,274**	**15,493,207**

FISCAL YEAR OM&R SALARY DISTRIBUTION
(PROGRAMS 01, 25 & 26)

	Approved FY24 Salary Budget	Proposed FY25 Salary Budget
R,O&M	$13,739,721	$12,789,252
E,O&M	$1,448,700	$2,481,983
USBR/CIP	$287,700	$0
TOTAL SALARIES	$15,476,121	$15,271,235





NOTE: FY25 CIP Project labor not included due to BIL Funding.

PROPOSED FY2025 EXTRAORDINARY OM&R BUDGET SUMMARY

FY 2025 PROJECTS FUNDING SUMMARY

Project Type: EXTRAORDINARY O&M (Fund 26)

Project #	Fac	Project Title	Segment Code	Priority	Labor	Parts/Mat'ls	Contract	Project Contingency	Project Total
E2024001	DCI	Motor Protection Relay Replacement	26-M6	B-2-b	$20,400	$0	$70,000	$18,100	$108,500
M1994022	ONP	Cooling Water System Rehabilitation	26-L0	B-2-b	$71,300	$522,000	$0	$118,700	$712,000
E2024006	JPP	Current Transformer (CT) Upgrade (Units 1 & 4)	26-M12	B-3-b	$24,300	$0	$50,000	$14,900	$89,200
M2024002	JPP	Unit Valve Replacement	26-M10	B-3-b	$177,100	$187,200	$0	$72,900	$437,200
M2015003	JPP	Rehabilitate Coating on Pump Casings & Bifurcation	26-M1	B-3-c	$168,300	$3,000	$618,700	$158,000	$948,000
C2024003	DMC	O&M Road Repair (Full Depth Rehab)	26-M11	B-4-b	$49,800	$0	$590,400	$128,100	$768,300
M2019038	ONP	Sand Filter System Rehabilitation	26-L2	B-4-b	$220,500	$27,500	$60,000	$61,600	$369,600
E2023003	ALL	Electric Vehicle Charging Stations - Phase 1	26-L1	B-4-c	$56,800	$0	$50,000	$21,400	$128,200
E2024002	JPP	Siphon Breaker Communication Upgrades	26-M7	B-4-c	$112,100	$32,300	$0	$28,900	$173,300
E2024003	JPP	Trashrake Controls Modernization	26-M8	B-4-c	$204,900	$44,500	$0	$49,900	$299,300
M2019002	JPP	Sand Filter System Rehabilitation	26-M3	B-4-c	$204,000	$14,000	$164,000	$76,400	$458,400
M2019028	JPP	Plant Flowmetering System Rehabilitation	26-M4	B-4-c	$64,700	$150,000	$80,000	$59,000	$353,700
C2023004	DMC	Underdrain Sedimentation Removal Project	26-L5	B-5-b	$410,600	$3,200	$492,000	$181,200	$1,087,000
M2019044	JPP	Machine Shop Crane Rehabilitation	26-M5	B-5-c	$46,600	$1,000	$47,500	$19,100	$114,200
C2023005	ALL	EO&M Program Management	26-L6	C-6-c	$156,400	$0	$942,000	$219,700	$1,318,100
		EXTRAORDINARY O&M (Fund 26) PROJECT TOTALS:			***$1,987,800***	***$984,700***	***$3,164,600***	***$1,227,900***	***$7,365,000***

Project Type: RESERVE (Fund 26)

Project #	Fac	Project Title	Segment Code	Priority	Labor	Parts/Mat'ls	Contract	Project Contingency	Project Total
S2024001	ALL	SCADA Replacement & Modernization Program (Reserve Fund)	26-D4	B-4-c	$276,100	$78,000	$0	$70,900	$425,000
V1999001	ALL	Heavy Equipment Replacement Program (Reserve Fund)	26-D2	B-5-b	$11,900	$0	$70,000	$16,400	$98,300
V1999002	ALL	Vehicle Replacement (Reserve Fund)	26-D1	B-6-c	$17,500	$0	$142,000	$31,900	$191,400
C2011001	ALL	Facility Infrastructure Replacement/Rehabilitation Program	26-D3	B-7-c	$18,700	$0	$206,000	$45,000	$269,700
E2000004	ALL	Replace Computer/Network Communication Equip (Reserve Fund)	26-D0	C-6-b	$171,100	$136,000	$93,000	$80,100	$480,200
		RESERVE (Fund 26) PROJECT TOTALS:			***$495,300***	***$214,000***	***$511,000***	***$244,300***	***$1,464,600***

FUND 26 FISCAL YEAR TOTALS

Labor	Parts/Mat'ls	Contract	Project Contingency	FY Total
$2,483,100	***$1,198,700***	***$3,675,600***	***$1,472,200***	***$8,829,600***

NOTE: Extraordinary OM&R Reserve Projects are defined as major non-routine maintenance improvements, modifications, replacements or repairs with long term benefits, exceeding one year, that have a total cost greater that $20,000

Project Type: SPECIAL FUNDED (Fund 25)

Project #	Fac	Project Title	Segment Code	Priority	Labor	Parts/Mat'ls	Contract	Project Contingency	Project Total
E2009005	JPP	Excitation System & Control Modernization Phase 2	25-F9	B-2-c	$119,300	$0	$5,500,000	$1,123,900	$6,743,200
C2015003	DMC	Subsidence Correction Project	25-I3	B-3-c	$270,200	$0	$17,030,000	$3,460,100	$20,760,300
		SPECIAL FUNDED (Fund 25) PROJECT TOTALS:			**$389,500**	**$0**	**$22,530,000**	**$4,584,000**	**$27,503,500**

FUND 25 FISCAL YEAR TOTALS

Labor	Parts/Mat'ls	Contract	Project Contingency	FY Total
$389,500	$0	$22,530,000	$4,584,000	$27,503,500

	Labor	Parts/Mat'ls	Contract	Project Contingency	Project Total
FISCAL YEAR GRAND TOTAL (Funds 25 & 26):	$2,872,600	$1,198,700	$26,205,600	$6,056,200	$36,333,100

NOTE: Extraordinary OM&R Reserve Projects are defined as major non-routine maintenance improvements, modifications, replacements or repairs with long term benefits, exceeding one year, that have a total cost greater that $20,000

QUESTIONS