



**San Luis & Delta-Mendota Water Authority
Monday, October 16, 2023, 9:30 a.m.**

Notice of Operations & Maintenance (O&M) Technical Committee Meeting

**SLDMWA Boardroom
842 6th Street, Los Banos
(List of Member/Alternate Telephonic Locations Attached)**

Public Participation Information

Join Zoom Meeting

<https://us02web.zoom.us/j/83474588450?pwd=STRFWFRY3UrOXA0SVpjUko4QIBXUT09>

Meeting ID: 834 7458 8450

Passcode: 265557

One tap mobile

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NOTE: Any member of the public may address the Committee concerning any item on the agenda before or during consideration of that item, as appropriate. For each item, public comment is limited to no more than three minutes per person. For good cause, the Chair of the O&M Technical Committee may waive this limitation.

NOTE FURTHER: Meeting materials have been made available to the public on the San Luis & Delta-Mendota Water Authority's website, <https://www.sldmwa.org>, and at the Los Banos Administrative Office, 842 6th Street, Los Banos, CA 93635.

Agenda

1. Call to Order/Roll Call
2. O&M Technical Committee to Consider Additions or Corrections to the Agenda of Items, as Authorized by Government Code Section 54950 *et seq.*
3. Opportunity for Public Comment – Any member of the public may address the Committee concerning any matter not on the agenda, but within the Committee's jurisdiction. Public comment is limited to no more than three minutes per person. For good cause, the Chair of the Committee may waive this limitation.

Action Items

4. Committee to Consider Approval of the O&M Technical Committee October 17, 2022 Meeting Minutes
5. Committee to Consider Recommendation to the Finance & Administration Committee Regarding the Proposed Fiscal Year 2025 OM&R Budget, including Routine OM&R and Extraordinary OM&R/Capital

Report Items

6. Review of Status of Current OM&R Projects
7. Review of Bipartisan Infrastructure Law (BIL) Aging Infrastructure Projects Funding Application Process and Proposed Projects Staff Recommends Including in Application
8. Review of Capital Improvement Program 10 Year Plan
9. Review of Status of Preventive Maintenance Program for the Jones Pumping Plant, Intertie Pumping Plant, O'Neill Pumping/Generating Plant and Delta-Mendota Canal
10. Review of Action Items from Meeting
11. Confirm Date, Time and Location for Next Meeting if Necessary
12. Reports Pursuant to Government Code Section 54954.2(a)(3)
13. ADJOURNMENT

Persons with a disability may request disability-related modification or accommodation by contacting Cheri Worthy or Sandi Ginda at the San Luis & Delta-Mendota Water Authority Office, 842 6th Street, P.O. Box 2157, Los Banos, California, via telephone at (209) 826-9696, or via email at cheri.worthy@sldmwa.org or sandi.ginda@sldmwa.org. Requests should be made as far in advance as possible before the meeting date, preferably 3 days in advance of regular meetings or 1 day in advance of special meetings/workshops.

This agenda has been prepared as required by the applicable laws of the State of California, including but not limited to, Government Code Section 54950 et seq. and has not been prepared with a view to informing an investment decision in any of the Authority's bonds, notes, or other obligations. Any projections, plans, or other forward-looking statements included in the information in this agenda are subject to a variety of uncertainties that could cause any actual plans or results to differ materially from any such statement. The information herein is not intended to be used by investors or potential investors in considering the purchase or sale of the Authority's bonds, notes, or other obligations and investors and potential investors should rely only on information filed by the Authority on the Municipal Securities Rulemaking Board's Electronic Municipal Market Access System for municipal securities disclosures, maintained on the World Wide Web at <https://emma.msrb.org/>.

SLDMWA OPERATIONS & MAINTENANCE (O&M) TECHNICAL COMMITTEE MEETING
TELEPHONIC LOCATIONS
OCTOBER 16, 2023

723 Brewington Ave
Watsonville, CA 95076

**SAN LUIS & DELTA-MENDOTA WATER AUTHORITY
MINUTES – OPERATIONS & MAINTENANCE
TECHNICAL COMMITTEE
October 17, 2022**

The Operations & Maintenance Technical Committee of the San Luis & Delta-Mendota Water Authority was called to order at approximately 9:30 a.m. by Committee Chair Chris White in the Authority's Board Room, 842 6th Street in Los Banos.

Committee Members Present

Exchange Contractors

Chris White, Chair

Friant Water Authority

Chris Hickernell, Member - David Dees, Alternate

Lower DMC Area

Absent

Mendota Pool Area

Danny Wade, Member

San Felipe Area

Gary Nagaoka, Member (via Zoom)

San Luis Canal Area

Bill Pierce, Member

Kelly Vandergon, Alternate

SLDMWA Technical Staff

Bob Martin, Member - Jaime McNeil, Alternate

Upper DMC

Bobby Pierce, Member - Paul Stearns, Alternate

USBR

None

SLDMWA Staff Members Present

Federico Barajas, Executive Director
Pablo Arroyave, Chief Operating Officer
Cathy Bento, Accountant II
Jim Lenhardt, Electrical Project Specialist
Rebecca Akroyd, General Counsel
Scott Petersen, Water Policy Director (via Zoom)
Stewart Davis, IT Officer
Chauncey Lee, O&M Manager
Ray Tarka, Finance Director
Dan Nunes, SCADA Engineer

Others Present

Juan Cadena, Panoche Water District (via Zoom)

1. Call to Order/Roll Call

Committee Chair Chris White called the meeting to order and roll was called.

2. Corrections or Additions to the Agenda

None.

3. Opportunity for Public Comment

Chris Hinkernell introduced David Dees as new alternate for Friant Water Authority.

4. Committee to Consider Approval of October 18, 2021 O&M Technical Committee

Meeting Minutes

Correction noted by Bill Pierce that he was present at last meeting.

Bobby Pierce made a motion to approve the minutes as presented, and Chris Hickernell seconded the motion. The vote on the motion was as follows:

| | |
|--------------|---|
| AYE: | White, Hickernell, Wade, Nagaoka, Bill Pierce, Martin, Bobby Pierce |
| NOES: | None |
| ABSTENTIONS: | None |

5. Committee to Consider Recommendation to the Finance and Administration Committee Regarding the Proposed OM&R Budget, Including the Extraordinary, Capital

Improvement Projects (CIP), and Routine OM&R Budgets for FY24.

O&M Manager Chauncey Lee reviewed proposed changes to the OM&R budget. The proposed FY24 OM&R Budget of \$26,230,439 compared to the FY23 budget of \$28,530,154 is an overall decrease of 8.06%. Facilities O&M Director Bob Martin noted the format changes on the Budget Summary sheet (blue/yellow sheet) to add formula notes for easier future reference. Lee reviewed the 8.7% Consumer Price Index (CPI) placeholder, noting it is subject to change. Lee indicated that no new positions are proposed. Committee Chair Chris White noted that CPI salary adjustments are pursuant to a Board policy, and not determined in the O&M Technical Committee. Executive Director Federico Barajas noted it was added for full transparency, to make sure everyone is aware of what is included relevant to salary adjustments.

Lee then went over page 8 of the budget packet in detail, noting all changes that deviated by plus or minus 5%. The proposed FY24 Routine OM&R Budget increased by 5.5% or \$929.8K. Alternate Member Paul Stearns asked for clarification regarding increased engineering consultant costs for adjacent developments. Engineering Manager Jaime McNeil explained it is attributed to the upcoming reviews of five county bridges. Staff also answered questions regarding specific budget line items relating to cybersecurity and hardware costs, and committee members discussed developments along the DMC, and Lee reviewed proposed staffing numbers.

McNeil then reviewed proposed special projects with the committee. McNeil discussed the Jones Pumping Plant Distribution Board DZC Breakers Upgrade, and Fire Suppression System Service, Testing, and Maintenance. Alternate Member Stearns inquired if staff could become certified to complete the testing and maintenance. McNeil indicated staff would research the issue prior to issuing a purchase order.

Lee then reviewed various equipment justifications, and answered questions from committee members.

Proposed FY24 EO&M Budget

McNeil then presented the proposed FY24 EO&M budget. McNeil reviewed the funding summary on page 36 of the packet and noted the creation of the SCADA Replacement & Modernization Program Reserve Project. McNeil also noted that labor has been added to the Reserve Projects to better represent staff time, and noted that two projects are for design only, with construction budgeted for the following year, to correct the issue of having to come back for supplemental funding.

Additional detail was presented regarding the following projects:

- ONP Cooling Water System Rehab Design:
 - McNeill noted that staff would reach out to private consultants prior to entering into an agreement with Reclamation. The committee discussed the large cost

estimate provided from Reclamation. Staff assured the committee it will be looked into further before embarking on a design agreement.

- JPP Excitation System & Control Modernization:
 - The committee discussed scope and timing of the work.
- OPP Main Transformer Rehabilitation – Supplemental Funding:
 - McNeill discussed the details of the supplemental funding, and the unsuccessful solicitation attempt. McNeill described the Request for Information that is being solicited to have more interest the next round. The proposed outage duration and timing was discussed (45 day from mid-April-May). Executive Director Federico Barajas explained the benefit of transformer rehabilitation, and goal of 10 years additional service from the transformers. Electrical Project Specialist Jim Lenhardt described the scope of the rehabilitation.
- O&M Road Maintenance Program – Phase 2 of 5:
 - McNeill discussed how the program is now completed every other year. Committee Member Chris Hickernell questioned how the subsidence correction project would affect the chipseal. McNeill stated that the chipseal has a 10-year lifespan and maintenance needs to be continued. If the subsidence project causes a realignment of the O&M road, it will need to be dealt with at that time.
- Bridge Abutment Repair at MP92.73 – Supplemental Funding:
 - McNeill noted that PG&E is currently onsite removing the gas line that is in the way of the project.
- Sand Filter System Rehabilitation Design:
 - McNeill explained that Reclamation’s Technical Service Center (TSC) would design this project, but it will be investigated prior to entering into contract with TSC. Committee Member Bobby Pierce noted that the price seems very high for sand filters. Facilities O&M Director Bob Martin noted that the proposed price is what we have to go on right now.
- Plant Water Storage Tank Rehabilitation:
 - Committee Chair Chris White asked the timing for the tanks to be out, and McNeil estimated six weeks.

Staff then presented information regarding reserve projects/funds:

- SCADA Replacement & Modernization Program (Reserve Fund)
 - McNeill noted this is a new Reserve project, and the SCADA Engineer Dan Nunes will be presenting.

- Heavy Equipment Replacement Program (Reserve Fund):
 - Lenhardt presented detail regarding proposed purchases of a water truck and front-end loader. Lenhardt noted the small size of the loader, and there was discussion about how a backhoe would not be a good substitute.
- Vehicle Replacement (Reserve Fund):
 - Lenhardt presented the Program and the six planned purchases. Lenhardt noted lead times are very long, with previously funded vehicles on back order.
 - Lenhardt noted staff will try to purchase hybrids for several of the purchases.
- Facility Infrastructure Replacement/Rehabilitation Program (Reserve Fund):
 - TFO Kitchen Remodel
 - TFO Warehouse Flooring replacement
 - TFO Kitchen/Lunch Room Remodel
 - LBFO Wash Water Recycling System replacement
- Replace Computer/ Network Communication Equip (Reserve Fund):
 - IT Officer Stewart Davis reviewed the program, and mentioned the Cyber Security upgrades and mandates that will need to be complied with. He noted he added all multi-year agreements have been moved to the 10-year plan to benefit from discounts when signing multi-year contracts. Barajas noted that the President has sent letters to each governor indicating that cyber requirements for Federal facilities need to be up to code. Barajas has met with the Department of Interior, and staff is ensuring that the Authority is abiding by all requirements. Davis explained about the labor required to maintain security, and the multiple scam attempts that our firewall blocks. He also discussed software that can be used to monitor the network, and the AT&T cellular First Net program.

In total, the proposed FY24 EO&M and Reserve budget is \$6.4 million.

Proposed FY24 Capital Improvement Projects

Staff then presented information regarding the DMC Subsidence Correction Project. Chief Operating Officer Pablo Arroyave noted that a BIL application for this project will be submitted. Discussion revolved about the funding sources. Executive Director Federico Barajas noted he is trying to minimize the local contribution at this early design state, and lean heavily on the DWR grant. Barajas explained in detail how the cost share works for the DWR grant. Staff identified the proposed budget for capital improvement projects of \$1.8 million, and the total for funds 25 (EO&M) and 26 (CIP) of \$8.2 million.

SCADA Engineer Dan Nunes walked through his SCADA Presentation. He noted the

testing this is occurring, and how radio is the preferred technology. Fiberoptics were questioned if that was possible, and Dan explained how a DWR fiber may be available for Reclamation use to communicate with OPP. Dan explained he hasn't gotten much engagement from DWR and they will continue testing and investigating all possible options to improve the SCADA system.

Committee Member Chris Hickernell motioned for the Committee to Consider Recommendation to the Finance and Administration Committee Regarding the Proposed Routine OM&R Budget for FY24. Member Bobby Pierce seconded the motion.

AYE: White, Hickernell, Wade, Nagaoka, Bill Pierce, Martin, Bobby
Pierce
NOES: None
ABSTENTIONS: None

Committee Member Bill Pierce then motioned for the Committee to Consider Recommendation to the Finance and Administration Committee Regarding the Proposed Extraordinary/CIP OM&R Budget for FY24. Member Bobby Pierce seconded the motion.

AYE: White, Hickernell, Wade, Nagaoka, Bill Pierce, Martin, Bobby
Pierce
NOES: None
ABSTENTIONS: None

General Counsel Rebecca Akroyd noted that a formal recommendation requires 8 committee members, and only 7 members are present.

6. Review Status of Current O&M Projects, including Jones Pumping Plant Unit Rewind.

Electrical Project Specialist Jim Lenhardt reported on the status of the Jones Pumping Plant Unit Rewind. Lenhardt noted that four of the six units have been completed, with the fifth ready for final testing soon. Unit 3 will go down for rewind right after. Irons are being manufactured, and the rewind will start mid-January, and be completed in October 2023. Once completed, the units will be disassembled one by one for warranty inspections, starting with Unit 6. Alternate Member Paul Stearns questioned if there have been any alignment issues encountered, and Lenhardt confirmed there has not been. Facilities O&M Director Bob Martin mentioned installation of the rotor was the smoothest installation yet.

Engineering Manager Jaime McNeill then reviewed the status of FY23 OM&R projects:

- OPP Pump Bowl Replacement – (Design & VE Study): Project on hold, due to value planning study. Reclamation has recommended that three assessments be completed first before embarking on EO&M projects related to the OPP units, including a comprehensive review of the Plant Operation-System, a motor/generator condition assessment, and a mechanical assessment. The proposed FY24 projects have been adjusted according to this.

Barajas explained the assessment and our intention of looking at the all the needs for the plant and the best way to tackle them.

- OPP Station Service Backup Battery System Replacement – Preliminary work has been completed, and additional work is planned during the main transformer rehab site work. Material will be on hand at the time.
- DMC Subsidence Correctly Project – Details were described earlier.
- OPP Main Transformer Rehab – Phase 3 of 3 – Details were described earlier.
- Concrete Slab by Trashrake Dumpster – Project is ongoing and in the planning and design phase. The work will likely be completed in two phases to minimize disruptions.
- HVAC System Rehab/ Replacement – Project has been on hold, waiting for Reclamation’s contract to be completed.
- DMC Turnout Flowmeter Upgrade – Phase 3 of 3 – Project is ongoing. Operations staff is assembling the list of meters to be purchased.
- OPP Accusonics Flowmeter Console Upgrades – Consoles have been purchased, and installation is underway.
- SCADA System Evaluation – Details were described earlier.

Deferred EO&M Project Updates

- FY20 JPP Domestic Water Treatment Plant Replacement – Project anticipated to be completed by next summer.
- FY22 JPP Purchase Wear Rings for Pumps: Project is currently on hold, with no mechanical engineer on staff.
- FY OPP UPS Battery Charging System Replacement: Project to be completed concurrently with the OPP Station Service Battery project

Staff noted that the 10-year plan review is the last remaining item for Item 6. Facilities O&M Director Bob Martin reviewed the 10 Year Plan on page 37 of the packet in detail. Once complete, Chief Operating Officer Pablo Arroyave noted that the EO&M program is in the expansion phase. 6-7 years ago, it was very low cost, and it will only continue to grow. Efforts are being made to closely tie the appropriate labor the projects. Committee Member Bobby Pierce asked what the 10-year average is, as it usually was about \$1M. The average now is much higher than \$1.5M. Martin noted the facilities are 50-60 years old, and require extra TLC. Martin also pointed out that costs in the out years are placeholders and only a best guess. Having a design phase for future projects will be to develop more accurate cost estimates.

Committee Member Bobby Pierce asked about the status of the Preventative Maintenance Service Orders (PMs) on the routine side. Martin indicated that the status could be reviewed this

time next year.

Committee Member Chris Hickernell asked about the OPP Trashracks. Martin noted they are down the list on the 10-year plan. They should be included in the assessments to determine where they will be placed. Committee Member Bobby Pierce mentioned the gantry cranes at OPP and JPP. Martin noted the plan is to have both cranes rehabilitated prior to any major work.

7. Review of Bipartisan Infrastructure Law (BIL) Aging Infrastructure Projects Funding Application Process and Proposed Projects Staff Recommends Including in Application

Chief Operating Officer Pablo Arroyave presented information regarding the Bipartisan Infrastructure Law (BIL), and noted it was the same presentation that was given to the Board of Directors. He stressed that Reclamation is identifying transferred works to receive funding. There will be an informational session on October 21, and the application closes December 1. Transferred works entities need to have adopted resolutions at that time. \$649M is authorized through a competitive process and that is expected to continue for several years. Arroyave stressed that Reclamation has details to work through as it relates to transferred works. He noted the internal criteria drafted by staff to help identify projects to include in applications; single year project greater than \$1.5M or multiyear project greater than \$1.0M.

Arroyave then turned the presentation to Facilities O&M Director Bob Martin. Martin noted that first round of applications will include the JPP Excitation and DMC Subsidence projects. The second round will focus on OPP Units, with Pump Bowl, rewind, and Unit Protection Modernization. The third round will focus on JPP Station Service Protection and OPP Main Transformer Replacement projects. Martin noted the design of JPP Excitation is at 60% with 90% design scheduled to be completed in December, with 100% scheduled for February. Martin went through the detailed scope of work for the JPP Excitation and Control Board Modernization Project.

Engineering Manager Jaime McNeill then reviewed details of the DMC Subsidence Correction Project and the O'Neill Pumping Plant Upgrades. It was noted that Reclamation and the Authority have accepted that the units are at the end of their life.

Arroyave noted next steps would be a negotiation with Reclamation, as these are not grants. They will need to be repaid.

8. Review Action Items from Meeting

Martin to develop PM report to present at the next committee meeting.

9. Confirm Date, Time, and Location for Next Meeting

Schedule of meeting not confirmed.

10. Reports Pursuant to Government Code Sec 54954.2 (a)(3)

No reports given.

11. Adjournment

The meeting was adjourned at 12:19 p.m.



MEMORANDUM

TO: Operations, Maintenance, and Replacement (OM&R) Technical Committee Members and Alternates

FROM: Pablo Arroyave, Chief Operating Officer
Bob Martin, Facilities O&M Director
Chauncey Lee, Operations & Maintenance Manager
Jaime McNeil, Engineering Manager

DATE: October 16, 2023

RE: Recommendation to the Finance & Administration Committee Regarding the Proposed Fiscal Year (FY) 2025 OM&R Budget, including Routine OM&R and Extraordinary OM&R/Capital Improvement Project (CIP) Budgets

BACKGROUND

The proposed FY2025 OM&R budget is first being reviewed with the OM&R Technical Committee. Next, the OM&R Budget will be reviewed with the Finance & Administration Committee, and it will be shared with contractors for a 60-day review period prior to consideration by the San Luis & Delta-Mendota Water Authority Board of Directors.

The proposed FY2025 OM&R budget is \$25,310,042. The major budget components include the following:

- Routine OM&R Budget: \$16,490,071 (includes \$474,720 for USBR contract)
- Extraordinary OM&R Budget: \$8,819,971
- CIP Budget: \$0

In conjunction with the Routine OM&R budget, staff is proposing the addition of two new positions; a Computer Technician (to support the IT Officer) and an Accountant 3. Position justification for the Computer Technician is attached. The Accountant 3 justification is being developed. The Routine OM&R Budget also includes a placeholder for salary increases of 3.0%.¹

¹ The Water Authority's 2006 Salary Policy dictates the use of a fourth-month average CPI of August-November of any given year as the index used as the basis for salary adjustments. Given the October review by the O&M Technical Committee, the same policy directs that the average of August and September CPI be used as a placeholder in the initial proposed budget. The August CPI is 3.7%. As of the date this packet was posted on the Water Authority's website, the September CPI was not yet available on the U.S. Bureau of Labor Statistics' website. The salary increase placeholder will be updated once the September CPI information is available. Staff expects to discuss the salary placeholder with the O&M Technical Committee in the upcoming meeting, and notes that the salary placeholder is subject to change.

ISSUE FOR DECISION

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

RECOMMENDATION

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

BUDGET DETAILS

The comparison of the proposed FY2025 budget to the approved FY2024 budget are provided in **Attachment 1**. The proposed FY2025 OM&R Budget of \$25,310,042 is 4.56% below the FY2024 OM&R Budget of \$26,519,903. The total proposed self-funded portion paid by the water users is \$24,835,321 which is a decrease of 6.05% from the FY2024 budget. The RO&M portion of the budget (\$16,490,071) decreased by 8.51%. The EO&M portion of the budget (\$8,819,971) increased by 42.30% and the Capital Improvement Projects (CIP-USBR Funded) (\$0) decreased by 100.00%.

The comparison between the proposed FY2025 OM&R Budget and the Board-adopted FY2024 OM&R Budget is summarized below; with additional details provided in attachments.

1. Proposed FY2025 Routine OM&R Budget
(\$1,534,132 decrease of 8.51% below FY2024)

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** to this memorandum. In addition, **Attachment 2.A** includes staffing levels, organization chart and new position justifications, and **Attachment 2.B** includes proposed special projects/purchases for parts/materials, equipment, and services that are funded through the Routine OM&R Budget.

2. Proposed FY2025 Extraordinary OM&R/CIP Budget
(\$8,819,971 increase of 3.82% over FY2024)

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 Special Funded Extraordinary OM&R / CIP Projects have been included

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 was presented to the Finance & Administration Committee. Relative to FY 2025, staff recommends the carryover of funds from previous fiscal year Extraordinary OM&R/CIP budgets. Details regarding proposed carryover funds will be presented during the committee meeting and in presentations to the Finance & Administration Committee.

ATTACHMENTS

1. FY2025-FY2024 Budget Comparison Page
2. Routine OM&R Budget
 - a. Staff Levels
 - FY2025 Organization Chart
 - New Position Justifications
 - b. 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 and Cost Estimates
 - d. Reserve Categories – summaries, Costs
 - SCADA Replacement & Modernization Program
 - Heavy Equipment Replacement Program
 - Vehicle Replacement Program
 - Facility Infrastructure Replacement/Rehabilitation Program
 - Computer/Network Communication Equipment

Attachment 1

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY

FY2024 APPROVED, PROPOSED FY2025 TOTAL BUDGET SUMMARY

| O&M Budget Summary | Approved FY24 Budget | Proposed FY25 Budget | % Change FY24 - FY25 |
|--|-------------------------|-------------------------|-------------------------|
| | A | B | (B-A)/A |
| <u>Routine O&M (Water Users)</u> | \$ 17,940,253 | \$ 16,015,350 | -10.73% |
| <u>USBR Funded O&M (Service Contract)</u> | \$ 83,950 | \$ 474,720 | 465.48% |
| <u>TOTAL (Water Users & USBR)</u> | \$ 18,024,203 | \$ 16,490,071 | -8.51% |
| <u>Extraordinary O&M (Water Users)</u> | \$ 6,198,000 | \$ 8,819,971 | 42.30% |
| <u>Capital Improvements Projects</u> | \$ 2,297,700 | \$ - | -100.00% |
| <u>TOTAL (EO&M/CIP)</u> | \$ 8,495,700 | \$ 8,819,971 | 3.82% |
| <u>TOTAL</u> (includes Service Contract) | \$ 26,519,903 | \$ 25,310,042 | -4.56% |
| <u>Total Self Funded Budget</u> (Water Users, excludes Service Contract) | \$ 26,435,953 | \$ 24,835,321 | -6.05% |

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.

Attachment 2

Routine OM&R Budget

2. Routine OM&R Budget Explanation
 - A. Staffing Levels (Includes Org Chart)
 - B. 2006 Salary Policy
 - C. Special Projects/Purchases

2.A Staffing Levels (includes Organization Chart & New Position Justification)

Summary of Assumptions and Considerations

Proposed OM&R positions budgeted fully or partially for FY25

| <u>Position</u> | <u>Number in FY25</u> |
|--|-----------------------|
| Accountant II | 2 |
| Accountant III | 1 |
| Accountant 3 (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 |

BUDGET DETAILS

Adjusted Routine O&M (RO&M) Budget decrease of 8.51% or \$1,534,132

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 templates)

- 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

- **Equipment/Capital Asset Purchases**
 - Net increase from FY24 of \$18.9K (10.44%), see justifications

| COLUMN | B | | C | | C - B | COMMENTS - 2025 |
|--|--|------------------------------------|-------------------|----------------|-------------------|---|
| | 2024 APPROVED BUDGET FY24 | 2025 PROPOSED BUDGET FY25 | | | | |
| SLDWMA ANNUAL BUDGET ROUTINE O&M BUDGET FY25 SELF-FUNDED & USBR - FUNDED O&M ONLY | | | | | | A comment is necessary for any variance greater than 5%, except all payroll related changes. |
| SUMMARY (no EO&M & CIP) Proposed Budget | | | | | | |
| 5101 | Salaries | 9,247,362 | 7,488,624 | -19.02% | -1,758,738 | |
| 5102 | Overtime | 308,000 | 464,251 | 50.73% | 156,251 | |
| 5103 | Salary Related Benefits | 1,849,472 | 1,497,725 | -19.02% | -351,748 | |
| 5108 | Sick Cash Out Expense | 22,000 | 22,000 | 0.00% | 0 | |
| 5141 | Health Insurance - SLDWMA Contr | 2,312,887 | 2,284,734 | -1.22% | -28,152 | |
| | Subtotal Salaries & Employee Benefits | 13,739,721 | 11,757,334 | -14.43% | -1,982,387 | |
| 5210 | Office Services & Supplies | 58,050 | 73,200 | 26.10% | 15,150 | Due to increase in Dept. 10 maintenance contracts. |
| 5211 | Mailing Costs | 6,650 | 6,500 | -2.26% | -150 | |
| 5216 | Small Tools | 54,500 | 53,200 | -2.39% | -1,300 | |
| 5221 | Clothing, Personal Equip/Laundry Svcs | 51,300 | 56,500 | 10.14% | 5,200 | One-time \$2K expense for SLDWMA hats per QIC agreement |
| 5226 | Janitorial Supplies & Services | 12,550 | 13,450 | 7.17% | 900 | Increase in cost of janitorial supplies |
| 5227 | Engineering Consultant | 169,500 | 151,000 | -10.91% | -18,500 | Decreased due to most of the surveying costs being covered under the EO&M budget |
| 5228 | Auditing | 50,000 | 59,000 | 18.00% | 9,000 | Increase for expenses to assist with the development of indirect costs(Dept 20) |
| 5229 | Legal | 109,500 | 149,000 | 36.07% | 39,500 | Increases in Dept 10 \$31.5K (Kronik and Diepenbrock), Dept 30 of \$3K, (Kronik), and Dept 50 of \$5K (Kronik) |
| 5231 | Other Professional Services | 378,500 | 455,250 | 20.28% | 76,750 | Increases in Dept 10 of \$29.8K(Network Cyber Security and SCADA Professional Services) and Dept 30 of \$45K (Salary Survey) |
| 5236 | Security Services/Systems | 0 | 0 | 0.00% | 0 | |
| 5237 | Fees & Licenses | 23,080 | 24,555 | 6.39% | 1,475 | Increase in Dept 10 due to EPA and Hazmat fees |
| 5241 | Other Services & Expenses | 443,630 | 503,200 | 13.43% | 59,570 | Increased expenses in Dept 10 for SCADA Cyber Security, SCADA Software Maintenance, SCADA MMI Comprehensive Support and Tution Reimbursement, Dept 50 increase of 10K for document Shredding services. |
| 5243 | Computer Software | 60,610 | 80,850 | 33.39% | 20,240 | Increased due to expenses in Dept 10 for Mobile Service Management Software(\$17.5K) |
| 5245 | Contract Labor | 0 | 0 | 0.00% | 0 | |
| 5246 | Rents/Leases - Ofc. Machinery & Equipment | 2,940 | 3,300 | 12.24% | 360 | Increase in rental fee for stamp machine at LBAO |
| 5247 | Organizational Membership Dues | 25,000 | 25,000 | 0.00% | 0 | |
| 5251 | Professional Organization Dues | 6,930 | 8,300 | 19.77% | 1,370 | Minor membership dues increase for Depts 30 and 40 and 2 new memberships for Dept 50 for Public Procurement Association |
| 5256 | Conference & Training Costs | 184,615 | 188,915 | 2.33% | 4,300 | |
| 5261 | Travel | 97,600 | 101,750 | 4.25% | 4,150 | |
| 5271 | Employee & Group Meetings | 29,850 | 34,100 | 14.24% | 4,250 | Primary increase due to Dept 30 meeting expenses |
| 5286 | Parts/Materials - Vehicle/Construct Equip | 85,000 | 90,000 | 5.88% | 5,000 | Increase in cost of vehicle and equipment parts and materials |
| 5288 | Petroleum, Oil & Lubricants | 284,750 | 410,000 | 43.99% | 125,250 | 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 per gallon of diesel |
| 5291 | Outside Services - Vehicle/Construct Equip | 78,050 | 82,000 | 5.06% | 3,950 | Increase in the cost of outside services for vehicle and equipment repairs |
| 5296 | Rents/Leases - Vehicle/Construct Equip | 56,000 | 58,000 | 3.57% | 2,000 | |
| 5301 | Parts & Materials - Bldg/Grnds/Mach/Equip | 534,800 | 498,500 | -6.79% | -36,300 | Decreased to better match actuals |
| 5311 | Outside Services - Bldg/Grnds/Mach/Equip | 269,800 | 309,250 | 14.62% | 39,450 | Increased due to DCI Transformer HV Bushing replacement project |
| 5316 | Rents/Leases - Land & Buildings | 141,102 | 141,102 | 0.00% | 0 | |
| 5331 | Pipe, Metal & Treatments | 55,700 | 66,900 | 20.11% | 11,200 | Increased due to the anticipated increase in the cost of steel, pipe and paint for repair projects in Depts 42, 44, |
| 5341 | Sand, Backfill & Rock | 28,000 | 31,500 | 12.50% | 3,500 | |
| 5351 | Concrete & Paving Material | 30,000 | 30,000 | 0.00% | 0 | |
| 5361 | Chemicals | 155,075 | 164,525 | 6.09% | 9,450 | Increased due to the anticipated surge in the cost of chemicals for weed, rodent, and water treatment |
| 5372 | Telephone Expenses | 117,030 | 147,970 | 26.44% | 30,940 | Increased budget in Dept 10 for SCADA DMC Check Structure Cellular Phone Service(10K) and Telephone and |
| 5373 | Energy | 76,600 | 76,600 | 0.00% | 0 | |
| 5374 | Radio Communications | 0 | 0 | 0.00% | 0 | |
| 5375 | Network Communications | 79,000 | 79,000 | 0.00% | 0 | |
| 5376 | Hazardous Waste Disposal | 16,800 | 17,500 | 4.17% | 700 | |
| 5377 | Disposal Expense | 37,780 | 38,780 | 2.65% | 1,000 | |
| | Subtotal Services & Supplies | 3,810,292 | 4,228,697 | 10.98% | 418,405 | |
| 5401 | Insurance Premiums & Fees | 292,600 | 303,500 | 3.73% | 10,900 | |
| | Subtotal Other Charges | 292,600 | 303,500 | 3.73% | 10,900 | |
| 5521 | New/Replacement Equipment & Furniture | 152,590 | 144,640 | -5.21% | -7,950 | Decreased to better match actuals |
| 5523 | Computer Hardware | 19,000 | 33,000 | 73.68% | 14,000 | Increases due to new line item SCADA Mics Peripheral not covered EO&M (\$17.K) and a \$3.5K reduction to the existing line item Misc IT not covered EO&M |
| 5526 | Water Meters | 10,000 | 10,000 | 0.00% | 0 | |
| 5541 | Automotive & Light Trucks | 0 | 0 | 0.00% | 0 | |
| 5544 | Heavy Equipment | 0 | 0 | 0.00% | 0 | |
| 5561 | Construction Equipment/Payment | 0 | 12,900 | 0.00% | 12,900 | |
| | Subtotal Capital Assets | 181,590 | 200,540 | 10.44% | 18,950 | |
| TOTAL ROUTINE O&M BUDGET | | 18,024,203 | 16,490,071 | -8.51% | -1,534,132 | |

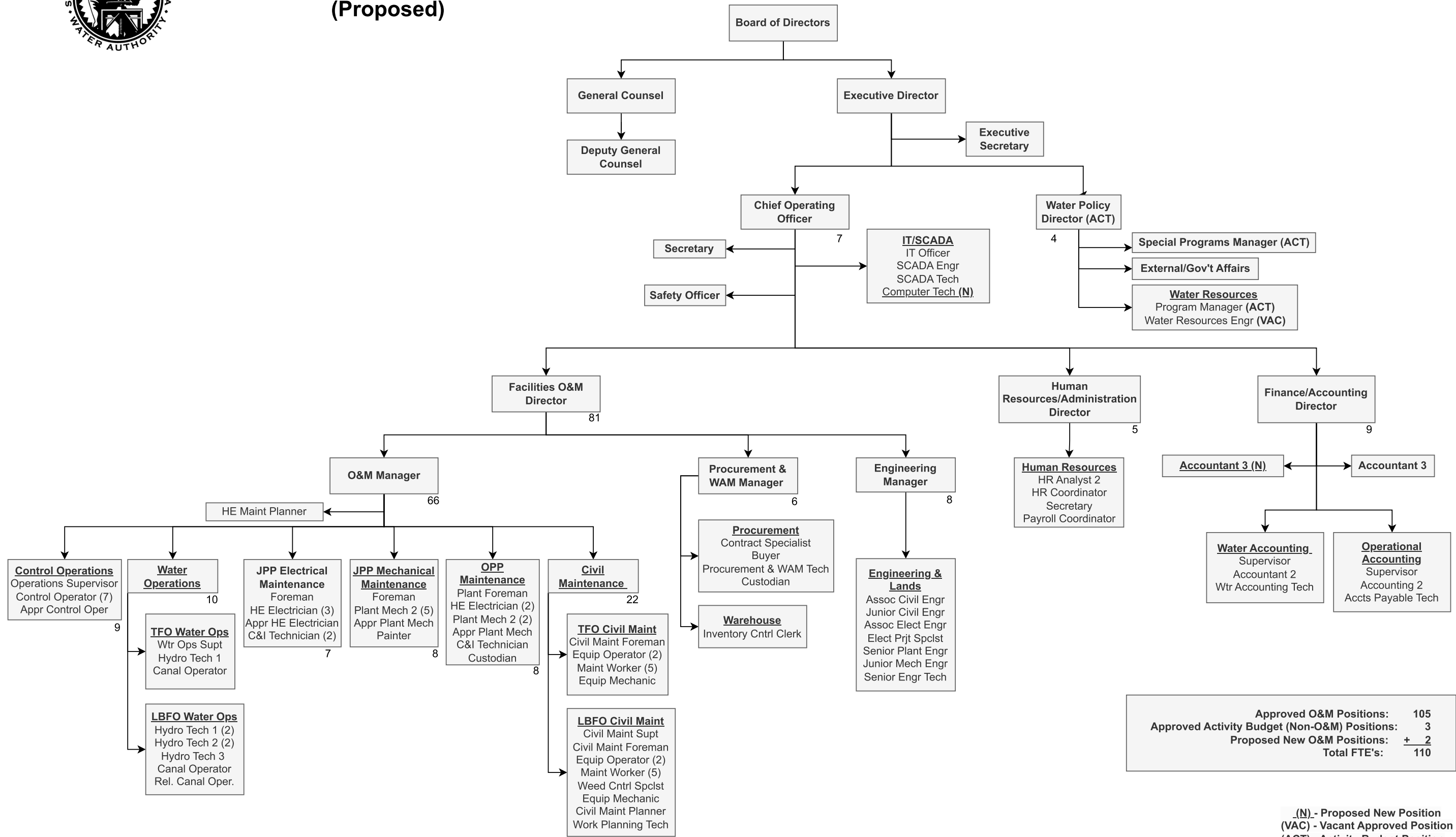
| <u>Position (cont.)</u> | <u>Number in FY25</u> |
|--|-----------------------|
| Mechanical Engineer | 1 |
| Operations & Maintenance Manager | 1 |
| Operational Accounting Supervisor | 1 |
| Operations Supervisor | 1 |
| Painter | 1 |
| Plant (Mechanical) Engineer | 1 |
| Plant Foreman, O'Neill | 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 |
| <u>Total Positions</u> | <u>107</u> |

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



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

**STAFFING JUSTIFICATION FORM
FY 2025**

PRIORITY CODE: - -

EXPENSE CODE: 5101
BUDGET UNIT: 10

Type of Purchase

- | | |
|-------------------------------------|--|
| <input type="checkbox"/> | Materials |
| <input type="checkbox"/> | Services |
| <input checked="" type="checkbox"/> | Other: <u>Request for New Position</u> |

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.

2.B 2006 Salary Policy

January 5, 2006

To: Board of Directors
From: Frances Mizuno
Subject: Index for Annual Salary Adjustments

Background

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

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

Recommendation

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

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

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

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

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

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)

**SPECIAL PROJECT JUSTIFICATION FORM
FY2025**

REQUEST DATE: 8/23/23
PRIORITY CODE: - -

EXPENSE CODE: 5301
BUDGET UNIT: 43

Type of Purchase

- Materials
- Services
- Other:

PROJECT DESCRIPTION:

Accusonic Flowmeter panel replacements for DCI

GENERAL SPECIFICATIONS:
(See attached information)

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

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
PRIORITY CODE: - -

EXPENSE CODE: 5311
BUDGET UNIT: 60

Type of Purchase

- Materials
- Services
- Other:

PROJECT DESCRIPTION:

DCI Transformer HV Bushings Replacement

GENERAL SPECIFICATIONS:

(See attached information)

| <u>ESTIMATED COST(incl taxes, freight)</u> | <u>Current O&M Cost Information</u> | <u>Cost</u> |
|---|--|--------------------|
| 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: | |
| <i>Rounded up to 100's</i> \$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 dole 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 dole 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
PRIORITY CODE: - -

EXPENSE CODE: 5547
DEPARTMENT: 46

Type of Purchase

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

EQUIPMENT DESCRIPTION:
GENERAL SPECIFICATIONS:
(See attached information)

| |
|---|
| Skid Steer Hydraulic angle broom Attachment |
| 8' wide skid steer attachment broom for bobcat. |

| <u>ESTIMATED COST (incl taxes, freight)</u> | <u>Current O&M Cost Information</u> |
|--|--|
| Purchase Cost: \$6000 | Current cost of annual repairs: |
| Inflation Adjustment (4%/YR) | Annual lease/rental cost: |
| Estimated Cost: \$6000 | Other O&M Cost: |
| <i>Rounded up to 100's</i> | ANNUAL O&M COST: |
| Total Estimated Cost: <u>6500</u> | |

| <u>CURRENT/PROJECTED COST W/O EQUIPMENT:</u> | <u>PAYBACK</u> | <u>YRS</u> |
|---|-----------------------|-------------------|
| <i>(Payback is determined by dividing Total Estimated Cost by Annual O&M Cost)</i> | | |
| <u>Description of current circumstances that drive this request:</u> <i>(include age and condition of existing equipment)</i> | | |
| 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. | | |
| <u>Other options considered during evaluation:</u> | | |
| 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. | | |
| <u>Conclusion/Recommendation:</u> | | |
| Purchase 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
PRIORITY CODE: - -

EXPENSE CODE: 5521
DEPARTMENT: 45

Type of Purchase

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

EQUIPMENT DESCRIPTION:

GENERAL SPECIFICATIONS:
(See attached information)

Piranha P-65-ton Hydraulic Ironworker

| <u>ESTIMATED COST (incl taxes, freight)</u> | <u>Current O&M Cost Information</u> | <u>Cost</u> |
|---|--|--------------------|
| Purchase Cost: | Current cost of annual repairs: | |
| Inflation Adjustment (4%/YR) \$35,000 | Annual lease/rental cost: | |
| Estimated Cost: | Other O&M Cost: | |
| | ANNUAL O&M COST: | |
| <i>Rounded up to 100's</i> | | |
| Total Estimated Cost: <u>\$35,000</u> | | |

| <u>CURRENT/PROJECTED COST W/O EQUIPMENT:</u> | <u>PAYBACK</u> | <u>YRS</u> |
|---|-----------------------|-------------------|
| <i>(Payback is determined by dividing Total Estimated Cost by Annual O&M Cost)</i> | | |
| <u>Description of current circumstances that drive this request:</u> <i>(include age and condition of existing equipment)</i> | | |
| <p>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.</p> <p>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.</p> | | |
| <u>Other options considered during evaluation:</u> | | |
| <p>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.</p> | | |
| <u>Conclusion/Recommendation:</u> | | |
| <p>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.</p> | | |

**EQUIPMENT PURCHASE JUSTIFICATION FORM
FY2025**

REQUEST DATE:

EXPENSE CODE: 5521

PRIORITY CODE: - -

DEPARTMENT: 45

Type of Purchase

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

EQUIPMENT DESCRIPTION:

Fluke 1550KIT

GENERAL SPECIFICATIONS:

5K Insulation Tester Kit Megohmmeter(megger)

(See attached information)

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

| <u>CURRENT/PROJECTED COST W/O EQUIPMENT:</u> | <u>PAYBACK</u> | <u>YRS</u> |
|---|-----------------------|-------------------|
| <i>(Payback is determined by dividing Total Estimated Cost by Annual O&M Cost)</i> | | |
| <u>Description of current circumstances that drive this request:</u> <i>(include age and condition of existing equipment)</i> | | |
| O'Neill's current Megohmmeter 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. | | |
| <u>Other options considered during evaluation:</u> | | |
| The Megohmmeter has been sent in for repairs twice and has most likely reached the end of its life. The unit is over 15 years old. | | |
| <u>Conclusion/Recommendation:</u> | | |
| 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

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

EQUIPMENT DESCRIPTION:

LWT POTHOG 2000

GENERAL SPECIFICATIONS:

6" hydraulic sludge pump.

(See attached information)

| <u>ESTIMATED COST (incl taxes, freight)</u> | <u>Current O&M Cost Information</u> | <u>Cost</u> |
|--|--|--------------------|
| Purchase Cost: | Current cost of annual repairs: | |
| Inflation Adjustment (4%/YR) 6315.00 | Annual lease/rental cost: | |
| Estimated Cost: | Other O&M Cost: | |
| | ANNUAL O&M COST: | |
| <i>Rounded up to 100's</i> 6400.00 | | |
| Total Estimated Cost: <u>6400.00</u> | | |

| <u>CURRENT/PROJECTED COST W/O EQUIPMENT:</u> | <u>PAYBACK</u> | <u>YRS</u> |
|---|-----------------------|-------------------|
| <i>(Payback is determined by dividing Total Estimated Cost by Annual O&M Cost)</i> | | |
| <u>Description of current circumstances that drive this request:</u> <i>(include age and condition of existing equipment)</i> | | |
| <p>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.</p> | | |
| <u>Other options considered during evaluation:</u> | | |
| <p>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.</p> | | |
| <u>Conclusion/Recommendation:</u> | | |
| <p>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.</p> | | |

Attachment 3

FY25 EO&M Project Information

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)

| <u>Project #</u> | <u>Fac</u> | <u>Project Title</u> | <u>Segment Code</u> | <u>Priority</u> | <u>Labor</u> | <u>Parts/Mat'ls</u> | <u>Contract</u> | <u>Total</u> |
|------------------|------------|--|---------------------|-----------------|--------------|---------------------|-----------------|--------------|
| 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)

| <u>Project #</u> | <u>Fac</u> | <u>Project Title</u> | <u>Segment Code</u> | <u>Priority</u> | <u>Labor</u> | <u>Parts/Mat'ls</u> | <u>Contract</u> | <u>Total</u> |
|------------------|------------|---|---------------------|-----------------|--------------|---------------------|-----------------|--------------|
| 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

| 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 | | | | | | | | | | | | | | | |
| <i>Estimated Project Cost (x \$1,000)</i> | | | | | | | | | | | | | | | |
| E2024001 | Motor Protection Relay Replacement | <input type="checkbox"/> | DCI | B-2-b | 108.5 | | | | | | | | | | 109 |
| M1994022 | Cooling Water System Rehabilitation | <input checked="" type="checkbox"/> | ONP | B-2-b | 712.1 | | | | | | | | | | 712 |
| E2024006 | Current Transformer (CT) Upgrade (Units 1 & 4) | <input type="checkbox"/> | JPP | B-3-b | 89.3 | | | | | | | | | | 89 |
| M2024002 | Unit Valve Replacement | <input type="checkbox"/> | JPP | B-3-b | 437.4 | | | | | | | | | | 437 |
| M2015003 | Rehabilitate Coating on Pump Casings & Bifurcation | <input checked="" type="checkbox"/> | JPP | B-3-c | 948.0 | 550.0 | 600.0 | | | | | | | | 2,098 |
| C2024003 | O&M Road Repair (Full Depth Rehab) | <input type="checkbox"/> | DMC | B-4-b | 768.6 | | | | | | | | | | 769 |
| M2019038 | Sand Filter System Rehabilitation/Replacement | <input checked="" type="checkbox"/> | ONP | B-4-b | 369.5 | | | | | | | | | | 370 |
| E2023003 | Electric Vehicle Charging Stations Program | <input type="checkbox"/> | ALL | B-4-c | 116.8 | | | | | | | | | | 117 |
| E2024002 | Siphon Breaker Communication Upgrades | <input type="checkbox"/> | JPP | B-4-c | 173.8 | | | | | | | | | | 174 |
| E2024003 | Trashrake Controls Modernization | <input type="checkbox"/> | JPP | B-4-c | 299.5 | | | | | | | | | | 300 |
| M1999002 | Unit Woodward Governor Replacement (All Units) | <input checked="" type="checkbox"/> | ONP | B-4-c | | | 957.1 | 500.0 | 500.0 | 500.0 | 500.0 | 500.0 | | | 3,457 |
| M2019002 | Sand Filter System Rehabilitation | <input checked="" type="checkbox"/> | JPP | B-4-c | 458.8 | | | | | | | | | | 459 |
| M2019028 | Plant Flowmetering System Rehabilitation | <input checked="" type="checkbox"/> | JPP | B-4-c | 354.0 | | | | | | | | | | 354 |
| C2023004 | Underdrain Sedimentation Removal Project | <input type="checkbox"/> | DMC | B-5-b | 1,087.4 | | | | | | | | | | 1,087 |
| M2019044 | Machine Shop Crane Rehabilitation | <input type="checkbox"/> | JPP | B-5-c | 114.4 | | | | | | | | | | 114 |
| C2023005 | EO&M Program Management Services | <input type="checkbox"/> | 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 | <input type="checkbox"/> | ONP | B-3-b | | 112.3 | | | | | | | | | 112 |
| C1997002 | O&M Road Maintenance Program | <input type="checkbox"/> | DMC | B-4-b | | 668.0 | | 736.5 | | 812.0 | | 895.2 | | | 3,112 |
| M2019022 | HVAC System Rehabilitation/Replacement | <input checked="" type="checkbox"/> | JPP | B-4-b | | 400.0 | | | | | | | | | 400 |
| M2024001 | CCTV Pipeline Inspection & Assessment (Water & Sewer) | <input type="checkbox"/> | TFO | B-4-b | | 50.0 | | | | | | | | | 50 |
| C1994005 | Warehouse Building (Design & Construction) | <input type="checkbox"/> | ONP | B-4-c | | 849.1 | | | | | | | | | 849 |
| E2019003 | Check Electrical Equipment Rehabilitation | <input type="checkbox"/> | DMC | B-4-c | | 200.0 | | | | | | | | | 200 |
| C2022001 | Retaining Wall Rehabilitation | <input type="checkbox"/> | JPP | B-5-b | | 225.0 | | | | | | | | | 225 |
| M2019001 | Bridge Crane Rehabilitation | <input checked="" type="checkbox"/> | ONP | B-5-c | | 200.0 | | | | | | | | | 200 |
| E2019030 | Plant Security System Improvements | <input checked="" type="checkbox"/> | ONP | C-5-d | | 109.0 | | | | | | | | | 109 |
| E2015001 | TFO/LBFO/DCI Arc Flash Study | <input type="checkbox"/> | ALL | A-1-b | | | 225.0 | | | | | 248.0 | | | 473 |
| E2022005 | Unit Protection Equipment & Control Board Replacement | <input type="checkbox"/> | ONP | B-2-b | | | 140.0 | 300.0 | 320.0 | 340.0 | | | | | 1,100 |
| E2019024 | Station Service Backup Battery System Replacement | <input checked="" type="checkbox"/> | JPP | B-2-c | | | 300.0 | | | | | | | | 300 |
| E2004002 | Unit Rotor & Stator Rewind (All Units) | <input checked="" type="checkbox"/> | 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 | <input checked="" type="checkbox"/> | JPP | B-4-b | | | 200.0 | | | | | | | | 200 |
| M2017001 | Shaft Sleeve Manufacturing | <input checked="" type="checkbox"/> | ONP | B-4-b | | | 315.0 | 325.0 | | | | | | | 640 |
| M2019016 | Siphon Breaker Valve Control System Rehabilitation | <input checked="" type="checkbox"/> | JPP | B-4-c | | | 250.0 | | | | | | | | 250 |
| M2019014 | Stoplog Rehabilitation | <input checked="" type="checkbox"/> | JPP | B-5-b | | | 500.0 | | | | | | | | 500 |
| M2019009 | Flowmetering Upgrade | <input type="checkbox"/> | DCI | B-5-c | | | 100.0 | | | | | | | | 100 |
| M2019026 | Stoplog Rehabilitation (Lakeside) | <input checked="" type="checkbox"/> | ONP | B-5-c | | | 75.0 | | | | | | | | 75 |
| M2019049 | Lakeside & Canalside Trashrack Replacement | <input checked="" type="checkbox"/> | ONP | B-5-c | | | 175.7 | | | | | | | | 176 |
| M2014002 | Rebalance Unit 5 Impeller | <input type="checkbox"/> | JPP | B-3-c | | | | 305.0 | | | | | | | 305 |
| C2019004 | O&M Complex Pavement Rehabilitation | <input checked="" type="checkbox"/> | TFO | B-4-b | | | | 250.0 | | | | | | | 250 |
| E2019025 | Plant Security System Upgrades | <input checked="" type="checkbox"/> | JPP | B-5-c | | | | 225.0 | | | | | | | 225 |
| C2016001 | DMC Road Rehabilitation | <input checked="" type="checkbox"/> | DMC | B-4-b | | | | | 391.0 | | | | | | 391 |
| M2019025 | 100 Ton Gantry Crane Rehabilitation | <input checked="" type="checkbox"/> | JPP | B-4-c | | | | | 450.0 | | | | | | 450 |
| M2019043 | HVAC System Rehabilitation/Replacement | <input checked="" type="checkbox"/> | ONP | B-4-c | | | | | 100.0 | | | | | | 100 |
| E2019010 | Plant Flowmeter System Rehabilitation | <input checked="" type="checkbox"/> | ONP | B-5-c | | | | | 244.0 | | | | | | 244 |

| 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 | <input checked="" type="checkbox"/> | ONP | B-7-c | | | | | 100.0 | | | | | | 100 |
| C1996012 | Intake Channel Embankment Stabilization | <input checked="" type="checkbox"/> | DMC | B-3-b | | | | | | 750.0 | | 2,500.0 | 2,500.0 | | 5,750 |
| C2019001 | Radial Gate Rehabilitation Program | <input checked="" type="checkbox"/> | DMC | B-3-c | | | | | | 500.0 | 800.0 | 800.0 | 800.0 | 800.0 | 3,700 |
| M2019015 | Trashrack Cleaner Rehabilitation | <input checked="" type="checkbox"/> | JPP | B-4-c | | | | | | 300.0 | | | | | 300 |
| M2019045 | Stub Shaft Crane Rehabilitation | <input type="checkbox"/> | JPP | B-4-c | | | | | | 175.0 | | | | | 175 |
| M2022003 | Trashrack Cleaner & Stoplog Crane Rehabilitation/Automation | <input checked="" type="checkbox"/> | ONP | B-4-c | | | | | | | 750.0 | | | | 750 |
| M2022004 | Check Structure Mech Equipment Rehab/Replacement Program | <input checked="" type="checkbox"/> | DMC | B-4-c | | | | | | 600.0 | | | | | 600 |
| C2019005 | Penstock/Manifold Interior Coating Rehabilitation | <input checked="" type="checkbox"/> | DCI | B-5-b | | | | | | 150.0 | | | | | 150 |
| E2019019 | Plant Security System Improvements | <input checked="" type="checkbox"/> | DCI | B-5-b | | | | | | 50.0 | | | | | 50 |
| M2019048 | Plant Hydraulic System Rehabilitation/Replacement | <input type="checkbox"/> | JPP | B-5-c | | | | | | 325.0 | | | | | 325 |
| E2015003 | Arc Flash Study - JPP | <input type="checkbox"/> | JPP | A-1-b | | | | | | | 200.0 | | | | 200 |
| E2022003 | Plant Protective Relay Replacement | <input checked="" type="checkbox"/> | JPP | B-2-b | | | | | | | 300.0 | | | | 300 |
| C2023003 | Recoat Exterior of All Penstocks | <input type="checkbox"/> | ONP | B-4-c | | | | | | | 500.0 | | | | 500 |
| M2010001 | Domestic/Potable Waterline Replacement | <input type="checkbox"/> | JPP | B-5-c | | | | | | | 500.0 | | | | 500 |
| E2019001 | Pump & Motor Rehabilitation | <input checked="" type="checkbox"/> | DCI | B-3-c | | | | | | | | 259.0 | 264.0 | 275.0 | 798 |
| E2019015 | Plant Motor Control Center Upgrades | <input checked="" type="checkbox"/> | DCI | B-3-c | | | | | | | | 150.0 | 153.0 | | 303 |
| C2019002 | Canal Embankment Erosion Protection | <input checked="" type="checkbox"/> | DMC | B-4-b | | | | | | | | 350.0 | | | 350 |
| M2019008 | Pump Intake Diffuser Panel Rehabilitation/Replacement | <input type="checkbox"/> | DCI | B-4-c | | | | | | | | 75.0 | | | 75 |
| M2019035 | Industrial Water Storage Tank Rehabilitation | <input type="checkbox"/> | TFO | B-4-c | | | | | | | | 125.0 | | | 125 |
| M2019041 | CA Turnout Slide Gate Rehabilitation/Replacement | <input checked="" type="checkbox"/> | DCI | B-4-c | | | | | | | | 150.0 | | | 150 |
| E2019022 | Plant Annunciator Modernization | <input checked="" type="checkbox"/> | DCI | B-5-b | | | | | | | | 150.0 | | | 150 |
| M2008002 | Cooling Water Line Replacement | <input checked="" type="checkbox"/> | JPP | B-4-b | | | | | | | | | 400.0 | | 400 |
| E2019006 | Current & Potential Transformer Rehabilitation | <input type="checkbox"/> | 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

| | | | | | <i>Estimated Project Cost (x \$1,000)</i> | | | | | | | | | | |
|-------------------------------|--|-------------------------------------|----------|----------|---|------------------|------------------|------------------|------------------|------------------|----------------|------------------|------------------|------------------|------------------|
| EO&M # | Project Title | BIL List | Facility | Priority | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 10 Yr Plan Total |
| S2024001 | SCADA Replacement & Modernization Program (Reserve Fund) | <input checked="" type="checkbox"/> | 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) | <input type="checkbox"/> | 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) | <input type="checkbox"/> | 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 | <input type="checkbox"/> | 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) | <input type="checkbox"/> | 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
PROJECT SUMMARY-SLDMWA Cost Estimate**

**FY2025
E2024001
DCI Motor Protection Relay Replacement
26-M6**

| | |
|--|-----------------------------|
| Total Fully Burdened Labor Cost | \$ 24,500.00 |
| Total Materials | \$ - |
| Total Contracts | \$ 84,000.00 |
| Project Grand Total | \$ <u>108,500.00</u> |

Date Proposal Completed: 6/15/2023_cr

NOTE: All costs are rounded up to the nearest \$100.

**San Luis & Delta-Mendota Water Authority
Labor Cost Estimate**

| FY2025 E2024001 DCI Motor Protection Relay Replacement 26-M6 | FY25 Fully Burdened Hourly Rate (current highest total rate per craft w/benefits) | FY25 Fully Burdened OT Rate (includes PR tax & W/Comp) | Total Regular Hours | Total Overtime Hours | Regular Direct Labor | Overtime Labor | Total Labor Cost |
|---|--|--|------------------------|-------------------------|----------------------|----------------|--------------------|
| | A | B | F | G | H | I | J |
| | <u>Position Title</u> | | C x D x E | | =A x F | =B x G | = sum H + I |
| IT Officer | \$ 143.76 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Director, Facilities O&M | \$ 240.55 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Operations & Maintenance | \$ 178.00 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Planner, Hydro-Electric Maintenance | \$ 131.91 | \$ 140.00 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| C&I Technician (JPP) | \$ 147.45 | \$ 158.68 | 144 | 0 | \$ 21,232.80 | \$ - | \$ 21,232.80 |
| Electrician, Hydro-Electric (JPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Mechanical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| Plant Mechanic, 2, Hydro-Electric Maintenance | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Painter (JPP) | \$ 101.92 | \$ 101.51 | 0 | 0 | \$ - | \$ - | \$ - |
| Foreman, O'Neill Pumping Plant | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| C&I Technician (OPP) | \$ 147.45 | \$ 158.68 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrician, Hydro-Electric (OPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Plant Mechanic, 2, Hydro-Electric Maintenance (OPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Superintendent, Civil | \$ 131.58 | \$ 139.59 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Foreman, Civil | \$ 110.27 | \$ 113.97 | 0 | 0 | \$ - | \$ - | \$ - |
| Planner, Civil Maintenance | \$ 101.75 | \$ 103.73 | 0 | 0 | \$ - | \$ - | \$ - |
| Heavy Equipment Operator | \$ 100.16 | \$ 101.81 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Worker, Civil | \$ 92.99 | \$ 93.20 | 0 | 0 | \$ - | \$ - | \$ - |
| Mechanic, Equipment | \$ 94.07 | \$ 94.49 | 0 | 0 | \$ - | \$ - | \$ - |
| Contract Specialist | \$ 145.41 | \$ 161.38 | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Engineering | \$ 192.63 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Plant - Senior | \$ 177.70 | \$ 195.05 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil - Senior | \$ 177.70 | \$ 195.05 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Mechanical - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Electrical - Associate | \$ 162.95 | \$ 177.32 | 20 | 0 | \$ 3,259.00 | \$ - | \$ 3,259.00 |
| Engineer, Civil - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil/Electrical/Mechanical - Assistant | \$ 130.24 | \$ 137.98 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil/Electrical/Mechanical - Junior | \$ 105.22 | \$ 107.89 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineering Technician, Senior | \$ 123.86 | \$ 130.31 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrical Project Specialist | \$ 158.24 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| SCADA Engineer | \$ 161.11 | \$ 175.10 | 0 | 0 | \$ - | \$ - | \$ - |
| SCADA Technician | \$ 153.20 | \$ 165.58 | 0 | 0 | \$ - | \$ - | \$ - |

164
TRUE

| | |
|--|----------------------|
| <i>Sum of Overtime Cost</i> | \$ - |
| <i>Sum of Regular Time Cost</i> | \$ 24,491.80 |
| <i>Total Fully Burdened Labor Cost</i> | \$ 24,491.80 |
| <i>Materials Cost</i> | \$ - |
| <i>Contracts Cost</i> | \$ 84,000.00 |
| Total | \$ 108,491.80 |

**San Luis & Delta-Mendota Water Authority
Contracts Cost Estimate**

**FY2025
E2024001
DCI Motor Protection Relay Replacement
26-M6**

Contract Breakdown

| <i>Description</i> | <i>Qty</i> | <i>Unit</i> | <i>Unit Cost</i> | <i>Contingency</i> | <i>Total Cost</i> |
|---|------------|-------------|------------------|--------------------|-------------------|
| DRA Relays, Programming & Test Switches | 1 | LS | \$ 70,000.00 | 20% | \$ 84,000.00 |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |

Contracts Total: \$ 84,000.00

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
PROJECT SUMMARY-SLDMWA Cost Estimate

FY2025
M1994022
ONP Cooling Water System Rehabilitation
26-L0

| | |
|--|-----------------------------|
| Total Fully Burdened Labor Cost | \$ 85,700.00 |
| Total Materials | \$ 626,400.00 |
| Total Contracts | \$ - |
| Project Grand Total | <u>\$ 712,100.00</u> |

Date Proposal Completed: 7/11/23_mf

NOTE: All costs are rounded up to the nearest \$100.

**San Luis & Delta-Mendota Water Authority
Labor Cost Estimate**

| FY2025 M1994022 ONP Cooling Water System Rehabilitation 26-L0 | FY25 Fully Burdened Hourly Rate (current highest total rate per craft w/benefits) | FY25 Fully Burdened OT Rate (includes PR tax & W/Comp) | Total Regular Hours | Total Overtime Hours | Regular Direct Labor | Overtime Labor | Total Labor Cost |
|--|--|--|------------------------|-------------------------|----------------------|----------------|--------------------|
| | A | B | F | G | H | I | J |
| <u>Position Title</u> | | | C x D x E | | =A x F | =B x G | = sum H + I |
| IT Officer | \$ 143.76 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Director, Facilities O&M | \$ 240.55 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Operations & Maintenance | \$ 178.00 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Planner, Hydro-Electric Maintenance | \$ 131.91 | \$ 140.00 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| C&I Technician (JPP) | \$ 147.45 | \$ 158.68 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrician, Hydro-Electric (JPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Mechanical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| Plant Mechanic, 2, Hydro-Electric Maintenance | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Painter (JPP) | \$ 101.92 | \$ 101.51 | 48 | 0 | \$ 4,892.16 | \$ - | \$ 4,892.16 |
| Foreman, O'Neill Pumping Plant | \$ 162.68 | \$ 176.99 | 125 | 0 | \$ 20,335.00 | \$ - | \$ 20,335.00 |
| C&I Technician (OPP) | \$ 147.45 | \$ 158.68 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrician, Hydro-Electric (OPP) | \$ 144.07 | \$ 154.61 | 58 | 0 | \$ 8,356.06 | \$ - | \$ 8,356.06 |
| Plant Mechanic, 2, Hydro-Electric Maintenance (OPP) | \$ 144.07 | \$ 154.61 | 173 | 0 | \$ 24,924.11 | \$ - | \$ 24,924.11 |
| Maintenance Superintendent, Civil | \$ 131.58 | \$ 139.59 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Foreman, Civil | \$ 110.27 | \$ 113.97 | 0 | 0 | \$ - | \$ - | \$ - |
| Planner, Civil Maintenance | \$ 101.75 | \$ 103.73 | 0 | 0 | \$ - | \$ - | \$ - |
| Heavy Equipment Operator | \$ 100.16 | \$ 101.81 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Worker, Civil | \$ 92.99 | \$ 93.20 | 0 | 0 | \$ - | \$ - | \$ - |
| Mechanic, Equipment | \$ 94.07 | \$ 94.49 | 0 | 0 | \$ - | \$ - | \$ - |
| Contract Specialist | \$ 145.41 | \$ 161.38 | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Engineering | \$ 192.63 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Plant - Senior | \$ 177.70 | \$ 195.05 | 96 | 0 | \$ 17,059.20 | \$ - | \$ 17,059.20 |
| Engineer, Civil - Senior | \$ 177.70 | \$ 195.05 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Mechanical - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Electrical - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil/Electrical/Mechanical - Assistant | \$ 130.24 | \$ 137.98 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil/Electrical/Mechanical - Junior | \$ 105.22 | \$ 107.89 | 96 | 0 | \$ 10,101.12 | \$ - | \$ 10,101.12 |
| Engineering Technician, Senior | \$ 123.86 | \$ 130.31 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrical Project Specialist | \$ 158.24 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| SCADA Engineer | \$ 161.11 | \$ 175.10 | 0 | 0 | \$ - | \$ - | \$ - |
| SCADA Technician | \$ 153.20 | \$ 165.58 | 0 | 0 | \$ - | \$ - | \$ - |

596
TRUE

| | |
|--|----------------------|
| <i>Sum of Overtime Cost</i> | \$ - |
| <i>Sum of Regular Time Cost</i> | \$ 85,667.65 |
| <i>Total Fully Burdened Labor Cost</i> | \$ 85,667.65 |
| <i>Materials Cost</i> | \$ 626,400.00 |
| <i>Contracts Cost</i> | \$ - |
| Total | \$ 712,067.65 |

**San Luis & Delta-Mendota Water Authority
Materials Cost Estimate**

**FY2025
M1994022
ONP Cooling Water System Rehabilitation
26-L0**

Material Breakdown

| <i>Description</i> | <i>Qty</i> | <i>Unit</i> | <i>Unit Cost</i> | <i>Contingency</i> | <i>Total Cost</i> |
|-------------------------|------------|-------------|------------------|--------------------|-------------------|
| Pumps | 8 | ea | \$ 25,000.00 | 20% | \$ 240,000.00 |
| Kinney Strainers | 8 | ea | \$ 20,000.00 | 20% | \$ 192,000.00 |
| Valves | 36 | ea | \$ 3,500.00 | 20% | \$ 151,200.00 |
| Misc. Pipe and Fittings | 8 | ea | \$ 4,500.00 | 20% | \$ 43,200.00 |
| | | | | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |

Materials Total: \$ 626,400.00

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 in operation. Reclamation TSC investigated and determined that certain current transformers (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 occurred 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
PROJECT SUMMARY-SLDMWA Cost Estimate**

**FY2025
E2024006
JPP Current Transformer (CT) Upgrade (Units 1 & 4)
26-M12**

| | |
|--|----------------------------|
| Total Fully Burdened Labor Cost | \$ 29,300.00 |
| Total Materials | \$ - |
| Total Contracts | \$ 60,000.00 |
| Project Grand Total | \$ <u>89,300.00</u> |

Date Proposal Completed: 7/14/2023_cr

NOTE: All costs are rounded up to the nearest \$100.

**San Luis & Delta-Mendota Water Authority
Labor Cost Estimate**

| FY2025 E2024006 JPP Current Transformer (CT) Upgrade (Units 1 & 4) 26-M12 | FY25 Fully Burdened Hourly Rate (current highest total rate per craft w/benefits) | FY25 Fully Burdened OT Rate (includes PR tax & W/Comp) | Total Regular Hours | Total Overtime Hours | Regular Direct Labor | Overtime Labor | Total Labor Cost |
|--|--|--|------------------------|-------------------------|----------------------|----------------|--------------------|
| | A | B | F | G | H | I | J |
| <u>Position Title</u> | | | C x D x E | | =A x F | =B x G | = sum H + I |
| IT Officer | \$ 143.76 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Director, Facilities O&M | \$ 240.55 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Operations & Maintenance | \$ 178.00 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Planner, Hydro-Electric Maintenance | \$ 131.91 | \$ 140.00 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| C&I Technician (JPP) | \$ 147.45 | \$ 158.68 | 96 | 0 | \$ 14,155.20 | \$ - | \$ 14,155.20 |
| Electrician, Hydro-Electric (JPP) | \$ 144.07 | \$ 154.61 | 39 | 0 | \$ 5,618.73 | \$ - | \$ 5,618.73 |
| Mechanical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| Plant Mechanic, 2, Hydro-Electric Maintenance | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Painter (JPP) | \$ 101.92 | \$ 101.51 | 0 | 0 | \$ - | \$ - | \$ - |
| Foreman, O'Neill Pumping Plant | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| C&I Technician (OPP) | \$ 147.45 | \$ 158.68 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrician, Hydro-Electric (OPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Plant Mechanic, 2, Hydro-Electric Maintenance (OPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Superintendent, Civil | \$ 131.58 | \$ 139.59 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Foreman, Civil | \$ 110.27 | \$ 113.97 | 0 | 0 | \$ - | \$ - | \$ - |
| Planner, Civil Maintenance | \$ 101.75 | \$ 103.73 | 0 | 0 | \$ - | \$ - | \$ - |
| Heavy Equipment Operator | \$ 100.16 | \$ 101.81 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Worker, Civil | \$ 92.99 | \$ 93.20 | 0 | 0 | \$ - | \$ - | \$ - |
| Mechanic, Equipment | \$ 94.07 | \$ 94.49 | 0 | 0 | \$ - | \$ - | \$ - |
| Contract Specialist | \$ 145.41 | \$ 161.38 | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Engineering | \$ 192.63 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Plant - Senior | \$ 177.70 | \$ 195.05 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil - Senior | \$ 177.70 | \$ 195.05 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Mechanical - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Electrical - Associate | \$ 162.95 | \$ 177.32 | 58 | 0 | \$ 9,451.10 | \$ - | \$ 9,451.10 |
| Engineer, Civil - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil/Electrical/Mechanical - Assistant | \$ 130.24 | \$ 137.98 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil/Electrical/Mechanical - Junior | \$ 105.22 | \$ 107.89 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineering Technician, Senior | \$ 123.86 | \$ 130.31 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrical Project Specialist | \$ 158.24 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| SCADA Engineer | \$ 161.11 | \$ 175.10 | 0 | 0 | \$ - | \$ - | \$ - |
| SCADA Technician | \$ 153.20 | \$ 165.58 | 0 | 0 | \$ - | \$ - | \$ - |

193
TRUE

| | |
|--|---------------------|
| <i>Sum of Overtime Cost</i> | \$ - |
| <i>Sum of Regular Time Cost</i> | \$ 29,225.03 |
| <i>Total Fully Burdened Labor Cost</i> | \$ 29,225.03 |
| <i>Materials Cost</i> | \$ - |
| <i>Contracts Cost</i> | \$ 60,000.00 |
| Total | \$ 89,225.03 |

**San Luis & Delta-Mendota Water Authority
Contracts Cost Estimate**

**FY2025
E2024006
JPP Current Transformer (CT) Upgrade (Units 1 & 4)
26-M12**

Contract Breakdown

| <i>Description</i> | <i>Qty</i> | <i>Unit</i> | <i>Unit Cost</i> | <i>Contingency</i> | <i>Total Cost</i> |
|------------------------------------|------------|-------------|------------------|--------------------|-------------------|
| USBR TSC Testing and Commissioning | 1 | LS | \$ 50,000.00 | 20% | \$ 60,000.00 |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |

Contracts Total: \$ 60,000.00

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
PROJECT SUMMARY-SLDMWA Cost Estimate**

**FY2025
M2024002
JPP Unit Valve Replacement
26-M10**

| | |
|--|-----------------------------|
| Total Fully Burdened Labor Cost | \$ 212,700.00 |
| Total Materials | \$ 224,700.00 |
| Total Contracts | \$ - |
| Project Grand Total | <u>\$ 437,400.00</u> |

Date Proposal Completed: 7/5/2023_mf

NOTE: All costs are rounded up to the nearest \$100.

**San Luis & Delta-Mendota Water Authority
Labor Cost Estimate**

| FY2025 M2024002 JPP Unit Valve Replacement 26-M10 | FY25 Fully Burdened Hourly Rate (current highest total rate per craft w/benefits) | FY25 Fully Burdened OT Rate (includes PR tax & W/Comp) | Total Regular Hours | Total Overtime Hours | Regular Direct Labor | Overtime Labor | Total Labor Cost |
|--|--|--|------------------------|-------------------------|----------------------|----------------|--------------------|
| | A | B | F | G | H | I | J |
| <u>Position Title</u> | | | C x D x E | | =A x F | =B x G | = sum H + I |
| IT Officer | \$ 143.76 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Director, Facilities O&M | \$ 240.55 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Operations & Maintenance | \$ 178.00 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Planner, Hydro-Electric Maintenance | \$ 131.91 | \$ 140.00 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 22 | 0 | \$ 3,578.96 | \$ - | \$ 3,578.96 |
| C&I Technician (JPP) | \$ 147.45 | \$ 158.68 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrician, Hydro-Electric (JPP) | \$ 144.07 | \$ 154.61 | 1037 | 0 | \$ 149,400.59 | \$ - | \$ 149,400.59 |
| Mechanical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 22 | 0 | \$ 3,578.96 | \$ - | \$ 3,578.96 |
| Plant Mechanic, 2, Hydro-Electric Maintenance | \$ 144.07 | \$ 154.61 | 389 | 0 | \$ 56,043.23 | \$ - | \$ 56,043.23 |
| Painter (JPP) | \$ 101.92 | \$ 101.51 | 0 | 0 | \$ - | \$ - | \$ - |
| Foreman, O'Neill Pumping Plant | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| C&I Technician (OPP) | \$ 147.45 | \$ 158.68 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrician, Hydro-Electric (OPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Plant Mechanic, 2, Hydro-Electric Maintenance (OPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Superintendent, Civil | \$ 131.58 | \$ 139.59 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Foreman, Civil | \$ 110.27 | \$ 113.97 | 0 | 0 | \$ - | \$ - | \$ - |
| Planner, Civil Maintenance | \$ 101.75 | \$ 103.73 | 0 | 0 | \$ - | \$ - | \$ - |
| Heavy Equipment Operator | \$ 100.16 | \$ 101.81 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Worker, Civil | \$ 92.99 | \$ 93.20 | 0 | 0 | \$ - | \$ - | \$ - |
| Mechanic, Equipment | \$ 94.07 | \$ 94.49 | 0 | 0 | \$ - | \$ - | \$ - |
| Contract Specialist | \$ 145.41 | \$ 161.38 | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Engineering | \$ 192.63 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Plant - Senior | \$ 177.70 | \$ 195.05 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil - Senior | \$ 177.70 | \$ 195.05 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Mechanical - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Electrical - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil/Electrical/Mechanical - Assistant | \$ 130.24 | \$ 137.98 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil/Electrical/Mechanical - Junior | \$ 105.22 | \$ 107.89 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineering Technician, Senior | \$ 123.86 | \$ 130.31 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrical Project Specialist | \$ 158.24 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| SCADA Engineer | \$ 161.11 | \$ 175.10 | 0 | 0 | \$ - | \$ - | \$ - |
| SCADA Technician | \$ 153.20 | \$ 165.58 | 0 | 0 | \$ - | \$ - | \$ - |

1470
TRUE

| | |
|--|----------------------|
| <i>Sum of Overtime Cost</i> | \$ - |
| <i>Sum of Regular Time Cost</i> | \$ 212,601.74 |
| <i>Total Fully Burdened Labor Cost</i> | \$ 212,601.74 |
| <i>Materials Cost</i> | \$ 224,640.00 |
| <i>Contracts Cost</i> | \$ - |
| Total | \$ 437,241.74 |

**San Luis & Delta-Mendota Water Authority
Materials Cost Estimate**

**FY2025
M2024002
JPP Unit Valve Replacement
26-M10**

Material Breakdown

| <i>Description</i> | <i>Qty</i> | <i>Unit</i> | <i>Unit Cost</i> | <i>Contingency</i> | <i>Total Cost</i> |
|--------------------------------|------------|-------------|------------------|--------------------|-------------------|
| Cooling Water Admission Valves | 6 | ea | \$ 9,200.00 | 20% | \$ 66,240.00 |
| Air Vent Valves | 6 | ea | \$ 9,200.00 | 20% | \$ 66,240.00 |
| Bypass Valves | 6 | ea | \$ 9,200.00 | 20% | \$ 66,240.00 |
| Misc. Mechanical Parts | 18 | ea | \$ 200.00 | 20% | \$ 4,320.00 |
| Misc. Electrical Parts | 18 | ea | \$ 1,000.00 | 20% | \$ 21,600.00 |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |

Materials Total: \$ 224,640.00

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 manifold 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
PROJECT SUMMARY-SLDMWA Cost Estimate**

FY2025

M2015003

**JPP Rehabilitate Coating on Pump Casings & Bifurcation
26-M1**

| | |
|--|-----------------------------|
| Total Fully Burdened Labor Cost | \$ 202,000.00 |
| Total Materials | \$ 3,600.00 |
| Total Contracts | \$ 742,400.00 |
| Project Grand Total | \$ <u>948,000.00</u> |

Date Proposal Completed: 7/5/2023_mf

NOTE: All costs are rounded up to the nearest \$100.

**San Luis & Delta-Mendota Water Authority
Labor Cost Estimate**

| FY2025 M2015003 JPP Rehabilitate Coating on Pump Casings & Bifurcation 26-M1 | FY25 Fully Burdened Hourly Rate (current highest total rate per craft w/benefits) | FY25 Fully Burdened OT Rate (includes PR tax & W/Comp) | Total Regular Hours | Total Overtime Hours | Regular Direct Labor | Overtime Labor | Total Labor Cost |
|---|--|--|------------------------|-------------------------|----------------------|----------------|------------------|
| | A | B | F | G | H | I | J |
| | <u>Position Title</u> | | | C x D x E | | =A x F | =B x G |
| IT Officer | \$ 143.76 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Director, Facilities O&M | \$ 240.55 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Operations & Maintenance | \$ 178.00 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Planner, Hydro-Electric Maintenance | \$ 131.91 | \$ 140.00 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| C&I Technician (JPP) | \$ 147.45 | \$ 158.68 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrician, Hydro-Electric (JPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Mechanical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 101 | 0 | \$ 16,430.68 | \$ - | \$ 16,430.68 |
| Plant Mechanic, 2, Hydro-Electric Maintenance | \$ 144.07 | \$ 154.61 | 336 | 0 | \$ 48,407.52 | \$ - | \$ 48,407.52 |
| Painter (JPP) | \$ 101.92 | \$ 101.51 | 0 | 0 | \$ - | \$ - | \$ - |
| Foreman, O'Neill Pumping Plant | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| C&I Technician (OPP) | \$ 147.45 | \$ 158.68 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrician, Hydro-Electric (OPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Plant Mechanic, 2, Hydro-Electric Maintenance (OPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Superintendent, Civil | \$ 131.58 | \$ 139.59 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Foreman, Civil | \$ 110.27 | \$ 113.97 | 0 | 0 | \$ - | \$ - | \$ - |
| Planner, Civil Maintenance | \$ 101.75 | \$ 103.73 | 0 | 0 | \$ - | \$ - | \$ - |
| Heavy Equipment Operator | \$ 100.16 | \$ 101.81 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Worker, Civil | \$ 92.99 | \$ 93.20 | 0 | 0 | \$ - | \$ - | \$ - |
| Mechanic, Equipment | \$ 94.07 | \$ 94.49 | 0 | 0 | \$ - | \$ - | \$ - |
| Contract Specialist | \$ 145.41 | \$ 161.38 | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Engineering | \$ 192.63 | \$ - | 192 | 0 | \$ 36,984.96 | \$ - | \$ 36,984.96 |
| Engineer, Plant - Senior | \$ 177.70 | \$ 195.05 | 336 | 0 | \$ 59,707.20 | \$ - | \$ 59,707.20 |
| Engineer, Civil - Senior | \$ 177.70 | \$ 195.05 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Mechanical - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Electrical - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil/Electrical/Mechanical - Assistant | \$ 130.24 | \$ 137.98 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil/Electrical/Mechanical - Junior | \$ 105.22 | \$ 107.89 | 384 | 0 | \$ 40,404.48 | \$ - | \$ 40,404.48 |
| Engineering Technician, Senior | \$ 123.86 | \$ 130.31 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrical Project Specialist | \$ 158.24 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| SCADA Engineer | \$ 161.11 | \$ 175.10 | 0 | 0 | \$ - | \$ - | \$ - |
| SCADA Technician | \$ 153.20 | \$ 165.58 | 0 | 0 | \$ - | \$ - | \$ - |

1349
TRUE

| | |
|--|----------------------|
| <i>Sum of Overtime Cost</i> | \$ - |
| <i>Sum of Regular Time Cost</i> | \$ 201,934.84 |
| <i>Total Fully Burdened Labor Cost</i> | \$ 201,934.84 |
| <i>Materials Cost</i> | \$ 3,600.00 |
| <i>Contracts Cost</i> | \$ 742,350.00 |
| Total | \$ 947,884.84 |

**San Luis & Delta-Mendota Water Authority
Materials Cost Estimate**

**FY2025
M2015003
JPP Rehabilitate Coating on Pump Casings & Bifurcation
26-M1**

Material Breakdown

| <i>Description</i> | <i>Qty</i> | <i>Unit</i> | <i>Unit Cost</i> | <i>Contingency</i> | <i>Total Cost</i> |
|----------------------|------------|-------------|------------------|--------------------|-------------------|
| Incidental Materials | 1 | ea | \$ 3,000.00 | 20% | \$ 3,600.00 |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |

Materials Total: \$ 3,600.00

**San Luis & Delta-Mendota Water Authority
Contracts Cost Estimate**

**FY2025
M2015003
JPP Rehabilitate Coating on Pump Casings & Bifurcation
26-M1**

Contract Breakdown

| <i>Description</i> | <i>Qty</i> | <i>Unit</i> | <i>Unit Cost</i> | <i>Contingency</i> | <i>Total Cost</i> |
|--|------------|-------------|------------------|--------------------|-------------------|
| Removal/Disposal of Existing Coating by Contractor | 8500 | SF | \$ 40.00 | 20% | \$ 408,000.00 |
| Installation of New Coating by Contractor | 8500 | SF | \$ 20.00 | 20% | \$ 204,000.00 |
| 3rd Party Inspection Service | 8500 | SF | \$ 1.25 | 20% | \$ 12,750.00 |
| Existing Coating hazmat testing | 1 | ea | \$ 3,000.00 | 20% | \$ 3,600.00 |
| Penstock Repairs | 1 | ea | \$ 40,000.00 | 20% | \$ 48,000.00 |
| Penstock Outlet Box Epoxy Injection & Crack Seal | 1 | ea | \$ 55,000.00 | 20% | \$ 66,000.00 |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |

Contracts Total: \$ 742,350.00

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
PROJECT SUMMARY-SLDMWA Cost Estimate**

**FY2025
C2024003
DMC O&M Road Repair (Full Depth Rehab)
26-M11**

| | |
|--|-----------------------------|
| Total Fully Burdened Labor Cost | \$ 60,100.00 |
| Total Materials | \$ - |
| Total Contracts | \$ 708,500.00 |
| Project Grand Total | \$ <u>768,600.00</u> |

Date Proposal Completed: 7/18/2023 JOB

NOTE: All costs are rounded up to the nearest \$100.

**San Luis & Delta-Mendota Water Authority
Labor Cost Estimate**

| FY2025 C2024003 DMC O&M Road Repair (Full Depth Rehab) 26-M11 | FY25 Fully Burdened Hourly Rate (current highest total rate per craft w/benefits) | FY25 Fully Burdened OT Rate (includes PR tax & W/Comp) | Total Regular Hours | Total Overtime Hours | Regular Direct Labor | Overtime Labor | Total Labor Cost |
|--|--|--|------------------------|-------------------------|----------------------|----------------|--------------------|
| | A | B | F | G | H | I | J |
| | <u>Position Title</u> | | C x D x E | | =A x F | =B x G | = sum H + I |
| IT Officer | \$ 143.76 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Director, Facilities O&M | \$ 240.55 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Operations & Maintenance | \$ 178.00 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Planner, Hydro-Electric Maintenance | \$ 131.91 | \$ 140.00 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| C&I Technician (JPP) | \$ 147.45 | \$ 158.68 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrician, Hydro-Electric (JPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Mechanical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| Plant Mechanic, 2, Hydro-Electric Maintenance | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Painter (JPP) | \$ 101.92 | \$ 101.51 | 0 | 0 | \$ - | \$ - | \$ - |
| Foreman, O'Neill Pumping Plant | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| C&I Technician (OPP) | \$ 147.45 | \$ 158.68 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrician, Hydro-Electric (OPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Plant Mechanic, 2, Hydro-Electric Maintenance (OPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Superintendent, Civil | \$ 131.58 | \$ 139.59 | 15 | 0 | \$ 1,973.70 | \$ - | \$ 1,973.70 |
| Maintenance Foreman, Civil | \$ 110.27 | \$ 113.97 | 41 | 0 | \$ 4,521.07 | \$ - | \$ 4,521.07 |
| Planner, Civil Maintenance | \$ 101.75 | \$ 103.73 | 0 | 0 | \$ - | \$ - | \$ - |
| Heavy Equipment Operator | \$ 100.16 | \$ 101.81 | 72 | 0 | \$ 7,211.52 | \$ - | \$ 7,211.52 |
| Maintenance Worker, Civil | \$ 92.99 | \$ 93.20 | 288 | 0 | \$ 26,781.12 | \$ - | \$ 26,781.12 |
| Mechanic, Equipment | \$ 94.07 | \$ 94.49 | 0 | 0 | \$ - | \$ - | \$ - |
| Contract Specialist | \$ 145.41 | \$ 161.38 | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Engineering | \$ 192.63 | \$ - | 8 | 0 | \$ 1,541.04 | \$ - | \$ 1,541.04 |
| Engineer, Plant - Senior | \$ 177.70 | \$ 195.05 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil - Senior | \$ 177.70 | \$ 195.05 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Mechanical - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Electrical - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil - Associate | \$ 162.95 | \$ 177.32 | 68 | 0 | \$ 11,080.60 | \$ - | \$ 11,080.60 |
| Engineer, Civil/Electrical/Mechanical - Assistant | \$ 130.24 | \$ 137.98 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil/Electrical/Mechanical - Junior | \$ 105.22 | \$ 107.89 | 66 | 0 | \$ 6,944.52 | \$ - | \$ 6,944.52 |
| Engineering Technician, Senior | \$ 123.86 | \$ 130.31 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrical Project Specialist | \$ 158.24 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| SCADA Engineer | \$ 161.11 | \$ 175.10 | 0 | 0 | \$ - | \$ - | \$ - |
| SCADA Technician | \$ 153.20 | \$ 165.58 | 0 | 0 | \$ - | \$ - | \$ - |

558
TRUE

| | |
|--|----------------------|
| <i>Sum of Overtime Cost</i> | \$ - |
| <i>Sum of Regular Time Cost</i> | \$ 60,053.57 |
| <i>Total Fully Burdened Labor Cost</i> | \$ 60,053.57 |
| <i>Materials Cost</i> | \$ - |
| <i>Contracts Cost</i> | \$ 708,480.00 |
| Total | \$ 768,533.57 |

**San Luis & Delta-Mendota Water Authority
Contracts Cost Estimate**

**FY2025
C2024003
DMC O&M Road Repair (Full Depth Rehab)
26-M11**

Contract Breakdown

| <i>Description</i> | <i>Qty</i> | <i>Unit</i> | <i>Unit Cost</i> | <i>Contingency</i> | <i>Total Cost</i> |
|------------------------------|------------|-------------|------------------|--------------------|-------------------|
| FDR Contract | 1 | LS | \$ 422,400.00 | 20% | \$ 506,880.00 |
| Seal Coat & Double Chip Seal | 1 | LS | \$ 156,000.00 | 20% | \$ 187,200.00 |
| Geotech Report | 1 | LS | \$ 9,000.00 | 20% | \$ 10,800.00 |
| Biological | 1 | LS | \$ 3,000.00 | 20% | \$ 3,600.00 |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |

Contracts Total: \$ 708,480.00

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 redundancy 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
PROJECT SUMMARY-SLDMWA Cost Estimate**

**FY2025
M2019038
ONP Sand Filter System Rehabilitation
26-L2**

| | |
|--|-----------------------------|
| Total Fully Burdened Labor Cost | \$ 264,500.00 |
| Total Materials | \$ 33,000.00 |
| Total Contracts | \$ 72,000.00 |
| Project Grand Total | \$ <u>369,500.00</u> |

Date Proposal Completed: 07/18/2023_mf

NOTE: All costs are rounded up to the nearest \$100.

**San Luis & Delta-Mendota Water Authority
Materials Cost Estimate**

**FY2025
M2019038
ONP Sand Filter System Rehabilitation
26-L2**

Material Breakdown

| <i>Description</i> | <i>Qty</i> | <i>Unit</i> | <i>Unit Cost</i> | <i>Contingency</i> | <i>Total Cost</i> |
|--------------------------------|------------|-------------|------------------|--------------------|-------------------|
| Piping | 5 | ea | \$ 1,500.00 | 20% | \$ 9,000.00 |
| Misc Parts | 5 | ea | \$ 2,500.00 | 20% | \$ 15,000.00 |
| Tank Repair Material (Belzona) | 5 | ea | \$ 1,500.00 | 20% | \$ 9,000.00 |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |

Materials Total: \$ 33,000.00

**San Luis & Delta-Mendota Water Authority
Contracts Cost Estimate**

**FY2025
M2019038
ONP Sand Filter System Rehabilitation
26-L2**

Contract Breakdown

| <i>Description</i> | <i>Qty</i> | <i>Unit</i> | <i>Unit Cost</i> | <i>Contingency</i> | <i>Total Cost</i> |
|---------------------------|------------|-------------|------------------|--------------------|-------------------|
| Sand Filter Media Removal | 5 | ea | \$ 6,000.00 | 20% | \$ 36,000.00 |
| 3rd Party inspection | 5 | ea | \$ 1,000.00 | 20% | \$ 6,000.00 |
| Refurbish/Replace Vessels | 5 | ea | \$ 5,000.00 | 20% | \$ 30,000.00 |
| | | | | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |

Contracts Total: \$ 72,000.00

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
PROJECT SUMMARY-SLDMWA Cost Estimate**

**FY2025
E2023003
ALL Electric Vehicle Charging Stations - Phase 1
26-L1**

| | |
|--|-----------------------------|
| Total Fully Burdened Labor Cost | \$ 56,800.00 |
| Total Materials | \$ - |
| Total Contracts | \$ 60,000.00 |
| Project Grand Total | \$ <u>116,800.00</u> |

Date Proposal Completed: 07/18/2023_jl

NOTE: All costs are rounded up to the nearest \$100.

**San Luis & Delta-Mendota Water Authority
Contracts Cost Estimate**

**FY2025
E2023003
ALL Electric Vehicle Charging Stations - Phase 1
26-L1**

Contract Breakdown

| <i>Description</i> | <i>Qty</i> | <i>Unit</i> | <i>Unit Cost</i> | <i>Contingency</i> | <i>Total Cost</i> |
|--------------------|------------|-------------|------------------|--------------------|-------------------|
| Consultant support | 1 | LS | \$ 50,000.00 | 20% | \$ 60,000.00 |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |

Contracts Total: \$ 60,000.00

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
PROJECT SUMMARY-SLDMWA Cost Estimate**

**FY2025
E2024002
JPP Siphon Breaker Communication Upgrades
26-M7**

| | |
|--|-----------------------------|
| Total Fully Burdened Labor Cost | \$ 135,000.00 |
| Total Materials | \$ 38,800.00 |
| Total Contracts | \$ - |
| Project Grand Total | <u>\$ 173,800.00</u> |

Date Proposal Completed: 07/18/2023_dn

NOTE: All costs are rounded up to the nearest \$100.

**San Luis & Delta-Mendota Water Authority
Labor Cost Estimate**

| FY2025 E2024002 JPP Siphon Breaker Communication Upgrades 26-M7 | FY25 Fully Burdened Hourly Rate (current highest total rate per craft w/benefits) | FY25 Fully Burdened OT Rate (includes PR tax & W/Comp) | Total Regular Hours | Total Overtime Hours | Regular Direct Labor | Overtime Labor | Total Labor Cost |
|--|--|--|------------------------|-------------------------|----------------------|----------------|--------------------|
| | A | B | F | G | H | I | J |
| <u>Position Title</u> | | | C x D x E | | =A x F | =B x G | = sum H + I |
| IT Officer | \$ 143.76 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| SCADA Engineer | \$ 161.11 | \$ 175.10 | 410 | 0 | \$ 66,055.10 | \$ - | \$ 66,055.10 |
| SCADA Technician | \$ 153.20 | \$ 165.58 | 102 | 0 | \$ 15,626.40 | \$ - | \$ 15,626.40 |
| Director, Facilities O&M | \$ 240.55 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Operations & Maintenance | \$ 178.00 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Planner, Hydro-Electric Maintenance | \$ 131.91 | \$ 140.00 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 5 | 0 | \$ 813.40 | \$ - | \$ 813.40 |
| C&I Technician (JPP) | \$ 147.45 | \$ 158.68 | 10 | 0 | \$ 1,474.50 | \$ - | \$ 1,474.50 |
| Electrician, Hydro-Electric (JPP) | \$ 144.07 | \$ 154.61 | 260 | 0 | \$ 37,458.20 | \$ - | \$ 37,458.20 |
| Mechanical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 5 | 0 | \$ 813.40 | \$ - | \$ 813.40 |
| Plant Mechanic, 2, Hydro-Electric Maintenance | \$ 144.07 | \$ 154.61 | 5 | 0 | \$ 720.35 | \$ - | \$ 720.35 |
| Painter (JPP) | \$ 101.92 | \$ 101.51 | 8 | 0 | \$ 815.36 | \$ - | \$ 815.36 |
| Foreman, O'Neill Pumping Plant | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| C&I Technician (OPP) | \$ 147.45 | \$ 158.68 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrician, Hydro-Electric (OPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Plant Mechanic, 2, Hydro-Electric Maintenance (OPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Superintendent, Civil | \$ 131.58 | \$ 139.59 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Foreman, Civil | \$ 110.27 | \$ 113.97 | 0 | 0 | \$ - | \$ - | \$ - |
| Planner, Civil Maintenance | \$ 101.75 | \$ 103.73 | 0 | 0 | \$ - | \$ - | \$ - |
| Heavy Equipment Operator | \$ 100.16 | \$ 101.81 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Worker, Civil | \$ 92.99 | \$ 93.20 | 0 | 0 | \$ - | \$ - | \$ - |
| Mechanic, Equipment | \$ 94.07 | \$ 94.49 | 0 | 0 | \$ - | \$ - | \$ - |
| Contract Specialist | \$ 145.41 | \$ 161.38 | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Engineering | \$ 192.63 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Plant - Senior | \$ 177.70 | \$ 195.05 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil - Senior | \$ 177.70 | \$ 195.05 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Mechanical - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Electrical - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil/Electrical/Mechanical - Assistant | \$ 130.24 | \$ 137.98 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil/Electrical/Mechanical - Junior | \$ 105.22 | \$ 107.89 | 106 | 0 | \$ 11,153.32 | \$ - | \$ 11,153.32 |
| Engineering Technician, Senior | \$ 123.86 | \$ 130.31 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrical Project Specialist | \$ 158.24 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |

911
TRUE

| | |
|--|----------------------|
| <i>Sum of Overtime Cost</i> | \$ - |
| <i>Sum of Regular Time Cost</i> | \$ 134,930.03 |
| <i>Total Fully Burdened Labor Cost</i> | \$ 134,930.03 |
| <i>Materials Cost</i> | \$ 38,728.80 |
| <i>Contracts Cost</i> | \$ - |
| Total | \$ 173,658.83 |

**San Luis & Delta-Mendota Water Authority
Materials Cost Estimate**

**FY2025
E2024002
JPP Siphon Breaker Communication Upgrades
26-M7**

Material Breakdown

| <i>Description</i> | <i>Qty</i> | <i>Unit</i> | <i>Unit Cost</i> | <i>Contingency</i> | <i>Total Cost</i> |
|---------------------------|------------|-------------|------------------|--------------------|-------------------|
| PLC Parts | 1 | ea | \$ 21,738.00 | 20% | \$ 26,085.60 |
| Communication Devices | 1 | ea | \$ 4,752.00 | 20% | \$ 5,702.40 |
| Electrical Panel and misc | 1 | ea | \$ 5,784.00 | 20% | \$ 6,940.80 |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |

Materials Total: \$ 38,728.80

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 preferable for equipment that can reduce the reliability of the Jones Pumping Plant.

Project Status:

**San Luis & Delta-Mendota Water Authority
PROJECT SUMMARY-SLDMWA Cost Estimate**

**FY2025
E2024003
JPP Trashrake Controls Modernization
26-M8**

| | |
|--|-----------------------------|
| Total Fully Burdened Labor Cost | \$ 246,100.00 |
| Total Materials | \$ 53,400.00 |
| Total Contracts | \$ - |
| Project Grand Total | \$ <u>299,500.00</u> |

Date Proposal Completed: 07/18/2023_dn

NOTE: All costs are rounded up to the nearest \$100.

**San Luis & Delta-Mendota Water Authority
Labor Cost Estimate**

| FY2025 E2024003 JPP Trashrake Controls Modernization 26-M8 | FY25 Fully Burdened Hourly Rate (current highest total rate per craft w/benefits) | FY25 Fully Burdened OT Rate (includes PR tax & W/Comp) | Total Regular Hours | Total Overtime Hours | Regular Direct Labor | Overtime Labor | Total Labor Cost |
|---|--|--|------------------------|-------------------------|----------------------|----------------|--------------------|
| | A | B | F | G | H | I | J |
| <u>Position Title</u> | | | C x D x E | | =A x F | =B x G | = sum H + I |
| IT Officer | \$ 143.76 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| SCADA Engineer | \$ 161.11 | \$ 175.10 | 845 | 0 | \$ 136,137.95 | \$ - | \$ 136,137.95 |
| SCADA Technician | \$ 153.20 | \$ 165.58 | 260 | 0 | \$ 39,832.00 | \$ - | \$ 39,832.00 |
| Director, Facilities O&M | \$ 240.55 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Operations & Maintenance | \$ 178.00 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Planner, Hydro-Electric Maintenance | \$ 131.91 | \$ 140.00 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| C&I Technician (JPP) | \$ 147.45 | \$ 158.68 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrician, Hydro-Electric (JPP) | \$ 144.07 | \$ 154.61 | 346 | 0 | \$ 49,848.22 | \$ - | \$ 49,848.22 |
| Mechanical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| Plant Mechanic, 2, Hydro-Electric Maintenance | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Painter (JPP) | \$ 101.92 | \$ 101.51 | 0 | 0 | \$ - | \$ - | \$ - |
| Foreman, O'Neill Pumping Plant | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| C&I Technician (OPP) | \$ 147.45 | \$ 158.68 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrician, Hydro-Electric (OPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Plant Mechanic, 2, Hydro-Electric Maintenance (OPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Superintendent, Civil | \$ 131.58 | \$ 139.59 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Foreman, Civil | \$ 110.27 | \$ 113.97 | 0 | 0 | \$ - | \$ - | \$ - |
| Planner, Civil Maintenance | \$ 101.75 | \$ 103.73 | 0 | 0 | \$ - | \$ - | \$ - |
| Heavy Equipment Operator | \$ 100.16 | \$ 101.81 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Worker, Civil | \$ 92.99 | \$ 93.20 | 0 | 0 | \$ - | \$ - | \$ - |
| Mechanic, Equipment | \$ 94.07 | \$ 94.49 | 0 | 0 | \$ - | \$ - | \$ - |
| Contract Specialist | \$ 145.41 | \$ 161.38 | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Engineering | \$ 192.63 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Plant - Senior | \$ 177.70 | \$ 195.05 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil - Senior | \$ 177.70 | \$ 195.05 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Mechanical - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Electrical - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil/Electrical/Mechanical - Assistant | \$ 130.24 | \$ 137.98 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil/Electrical/Mechanical - Junior | \$ 105.22 | \$ 107.89 | 192 | 0 | \$ 20,202.24 | \$ - | \$ 20,202.24 |
| Engineering Technician, Senior | \$ 123.86 | \$ 130.31 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrical Project Specialist | \$ 158.24 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |

1643
TRUE

| | |
|--|----------------------|
| <i>Sum of Overtime Cost</i> | \$ - |
| <i>Sum of Regular Time Cost</i> | \$ 246,020.41 |
| <i>Total Fully Burdened Labor Cost</i> | \$ 246,020.41 |
| <i>Materials Cost</i> | \$ 53,350.80 |
| <i>Contracts Cost</i> | \$ - |
| Total | \$ 299,371.21 |

**San Luis & Delta-Mendota Water Authority
Materials Cost Estimate**

**FY2025
E2024003
JPP Trashrake Controls Modernization
26-M8**

Material Breakdown

| <i>Description</i> | <i>Qty</i> | <i>Unit</i> | <i>Unit Cost</i> | <i>Contingency</i> | <i>Total Cost</i> |
|---------------------------------|------------|-------------|------------------|--------------------|-------------------|
| PLC part & misc | 1 | ea | \$ 34,187.00 | 20% | \$ 41,024.40 |
| Network & Communication Devices | 1 | ea | \$ 6,114.00 | 20% | \$ 7,336.80 |
| Electrical Panel and misc | 1 | ea | \$ 4,158.00 | 20% | \$ 4,989.60 |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |

Materials Total: \$ 53,350.80

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
PROJECT SUMMARY-SLDMWA Cost Estimate**

**FY2025
M2019002
JPP Sand Filter System Rehabilitation
26-M3**

| | |
|--|-----------------------------|
| Total Fully Burdened Labor Cost | \$ 245,200.00 |
| Total Materials | \$ 16,800.00 |
| Total Contracts | \$ 196,800.00 |
| Project Grand Total | \$ <u>458,800.00</u> |

Date Proposal Completed: 7/12/2023_mf

NOTE: All costs are rounded up to the nearest \$100.

**San Luis & Delta-Mendota Water Authority
Labor Cost Estimate**

| FY2025 M2019002 JPP Sand Filter System Rehabilitation 26-M3 | FY25 Fully Burdened Hourly Rate (current highest total rate per craft w/benefits) | FY25 Fully Burdened OT Rate (includes PR tax & W/Comp) | Total Regular Hours | Total Overtime Hours | Regular Direct Labor | Overtime Labor | Total Labor Cost |
|--|--|--|------------------------|-------------------------|----------------------|----------------|--------------------|
| | A | B | F | G | H | I | J |
| <u>Position Title</u> | | | C x D x E | | =A x F | =B x G | = sum H + I |
| IT Officer | \$ 143.76 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Director, Facilities O&M | \$ 240.55 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Operations & Maintenance | \$ 178.00 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Planner, Hydro-Electric Maintenance | \$ 131.91 | \$ 140.00 | 192 | 0 | \$ 25,326.72 | \$ - | \$ 25,326.72 |
| Electrical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| C&I Technician (JPP) | \$ 147.45 | \$ 158.68 | 15 | 0 | \$ 2,211.75 | \$ - | \$ 2,211.75 |
| Electrician, Hydro-Electric (JPP) | \$ 144.07 | \$ 154.61 | 135 | 0 | \$ 19,449.45 | \$ - | \$ 19,449.45 |
| Mechanical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 164 | 0 | \$ 26,679.52 | \$ - | \$ 26,679.52 |
| Plant Mechanic, 2, Hydro-Electric Maintenance | \$ 144.07 | \$ 154.61 | 759 | 0 | \$ 109,349.13 | \$ - | \$ 109,349.13 |
| Painter (JPP) | \$ 101.92 | \$ 101.51 | 77 | 0 | \$ 7,847.84 | \$ - | \$ 7,847.84 |
| Foreman, O'Neill Pumping Plant | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| C&I Technician (OPP) | \$ 147.45 | \$ 158.68 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrician, Hydro-Electric (OPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Plant Mechanic, 2, Hydro-Electric Maintenance (OPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Superintendent, Civil | \$ 131.58 | \$ 139.59 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Foreman, Civil | \$ 110.27 | \$ 113.97 | 0 | 0 | \$ - | \$ - | \$ - |
| Planner, Civil Maintenance | \$ 101.75 | \$ 103.73 | 0 | 0 | \$ - | \$ - | \$ - |
| Heavy Equipment Operator | \$ 100.16 | \$ 101.81 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Worker, Civil | \$ 92.99 | \$ 93.20 | 0 | 0 | \$ - | \$ - | \$ - |
| Mechanic, Equipment | \$ 94.07 | \$ 94.49 | 0 | 0 | \$ - | \$ - | \$ - |
| Contract Specialist | \$ 145.41 | \$ 161.38 | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Engineering | \$ 192.63 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Plant - Senior | \$ 177.70 | \$ 195.05 | 192 | 0 | \$ 34,118.40 | \$ - | \$ 34,118.40 |
| Engineer, Civil - Senior | \$ 177.70 | \$ 195.05 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Mechanical - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Electrical - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil/Electrical/Mechanical - Assistant | \$ 130.24 | \$ 137.98 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil/Electrical/Mechanical - Junior | \$ 105.22 | \$ 107.89 | 192 | 0 | \$ 20,202.24 | \$ - | \$ 20,202.24 |
| Engineering Technician, Senior | \$ 123.86 | \$ 130.31 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrical Project Specialist | \$ 158.24 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| SCADA Engineer | \$ 161.11 | \$ 175.10 | 0 | 0 | \$ - | \$ - | \$ - |
| SCADA Technician | \$ 153.20 | \$ 165.58 | 0 | 0 | \$ - | \$ - | \$ - |

1726
TRUE

| | |
|--|----------------------|
| <i>Sum of Overtime Cost</i> | \$ - |
| <i>Sum of Regular Time Cost</i> | \$ 245,185.05 |
| <i>Total Fully Burdened Labor Cost</i> | \$ 245,185.05 |
| <i>Materials Cost</i> | \$ 16,800.00 |
| <i>Contracts Cost</i> | \$ 196,800.00 |
| Total | \$ 458,785.05 |

**San Luis & Delta-Mendota Water Authority
Materials Cost Estimate**

**FY2025
M2019002
JPP Sand Filter System Rehabilitation
26-M3**

Material Breakdown

| <i>Description</i> | <i>Qty</i> | <i>Unit</i> | <i>Unit Cost</i> | <i>Contingency</i> | <i>Total Cost</i> |
|---------------------|------------|-------------|------------------|--------------------|-------------------|
| Piping | 4 | ea | \$ 1,000.00 | 20% | \$ 4,800.00 |
| Critical Components | 4 | ea | \$ 2,500.00 | 20% | \$ 12,000.00 |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |

Materials Total: \$ 16,800.00

**San Luis & Delta-Mendota Water Authority
Contracts Cost Estimate**

**FY2025
M2019002
JPP Sand Filter System Rehabilitation
26-M3**

Contract Breakdown

| <i>Description</i> | <i>Qty</i> | <i>Unit</i> | <i>Unit Cost</i> | <i>Contingency</i> | <i>Total Cost</i> |
|--|------------|-------------|------------------|--------------------|-------------------|
| Sand Filter Media Removal | 4 | ea | \$ 6,000.00 | 20% | \$ 28,800.00 |
| Sand Filter Vessel Removal | 4 | ea | \$ 11,000.00 | 20% | \$ 52,800.00 |
| Install new Sand filter vessels with media | 4 | ea | \$ 24,000.00 | 20% | \$ 115,200.00 |
| | | | | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |

Contracts Total: \$ 196,800.00

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
PROJECT SUMMARY-SLDMWA Cost Estimate**

**FY2025
M2019028
JPP Plant Flowmetering System Rehabilitation
26-M4**

| | |
|--|-----------------------------|
| Total Fully Burdened Labor Cost | \$ 78,000.00 |
| Total Materials | \$ 180,000.00 |
| Total Contracts | \$ 96,000.00 |
| Project Grand Total | \$ <u>354,000.00</u> |

Date Proposal Completed: 07/18/2023_dn

NOTE: All costs are rounded up to the nearest \$100.

**San Luis & Delta-Mendota Water Authority
Labor Cost Estimate**

| FY2025 M2019028 JPP Plant Flowmetering System Rehabilitation 26-M4 | FY25 Fully Burdened Hourly Rate (current highest total rate per craft w/benefits) | FY25 Fully Burdened OT Rate (includes PR tax & W/Comp) | Total Regular Hours | Total Overtime Hours | Regular Direct Labor | Overtime Labor | Total Labor Cost |
|---|--|--|------------------------|-------------------------|----------------------|----------------|--------------------|
| | A | B | F | G | H | I | J |
| <u>Position Title</u> | | | C x D x E | | =A x F | =B x G | = sum H + I |
| IT Officer | \$ 143.76 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| SCADA Engineer | \$ 161.11 | \$ 175.10 | 140 | 0 | \$ 22,555.40 | \$ - | \$ 22,555.40 |
| SCADA Technician | \$ 153.20 | \$ 165.58 | 99 | 0 | \$ 15,166.80 | \$ - | \$ 15,166.80 |
| Director, Facilities O&M | \$ 240.55 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Operations & Maintenance | \$ 178.00 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Planner, Hydro-Electric Maintenance | \$ 131.91 | \$ 140.00 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 5 | 0 | \$ 813.40 | \$ - | \$ 813.40 |
| C&I Technician (JPP) | \$ 147.45 | \$ 158.68 | 119 | 0 | \$ 17,546.55 | \$ - | \$ 17,546.55 |
| Electrician, Hydro-Electric (JPP) | \$ 144.07 | \$ 154.61 | 108 | 0 | \$ 15,559.56 | \$ - | \$ 15,559.56 |
| Mechanical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| Plant Mechanic, 2, Hydro-Electric Maintenance | \$ 144.07 | \$ 154.61 | 44 | 0 | \$ 6,339.08 | \$ - | \$ 6,339.08 |
| Painter (JPP) | \$ 101.92 | \$ 101.51 | 0 | 0 | \$ - | \$ - | \$ - |
| Foreman, O'Neill Pumping Plant | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| C&I Technician (OPP) | \$ 147.45 | \$ 158.68 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrician, Hydro-Electric (OPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Plant Mechanic, 2, Hydro-Electric Maintenance (OPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Superintendent, Civil | \$ 131.58 | \$ 139.59 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Foreman, Civil | \$ 110.27 | \$ 113.97 | 0 | 0 | \$ - | \$ - | \$ - |
| Planner, Civil Maintenance | \$ 101.75 | \$ 103.73 | 0 | 0 | \$ - | \$ - | \$ - |
| Heavy Equipment Operator | \$ 100.16 | \$ 101.81 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Worker, Civil | \$ 92.99 | \$ 93.20 | 0 | 0 | \$ - | \$ - | \$ - |
| Mechanic, Equipment | \$ 94.07 | \$ 94.49 | 0 | 0 | \$ - | \$ - | \$ - |
| Contract Specialist | \$ 145.41 | \$ 161.38 | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Engineering | \$ 192.63 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Plant - Senior | \$ 177.70 | \$ 195.05 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil - Senior | \$ 177.70 | \$ 195.05 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Mechanical - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Electrical - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil/Electrical/Mechanical - Assistant | \$ 130.24 | \$ 137.98 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil/Electrical/Mechanical - Junior | \$ 105.22 | \$ 107.89 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineering Technician, Senior | \$ 123.86 | \$ 130.31 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrical Project Specialist | \$ 158.24 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |

515
TRUE

| | |
|--|----------------------|
| <i>Sum of Overtime Cost</i> | \$ - |
| <i>Sum of Regular Time Cost</i> | \$ 77,980.79 |
| <i>Total Fully Burdened Labor Cost</i> | \$ 77,980.79 |
| <i>Materials Cost</i> | \$ 180,000.00 |
| <i>Contracts Cost</i> | \$ 96,000.00 |
| Total | \$ 353,980.79 |

**San Luis & Delta-Mendota Water Authority
Materials Cost Estimate**

**FY2025
M2019028
JPP Plant Flowmetering System Rehabilitation
26-M4**

Material Breakdown

| <i>Description</i> | <i>Qty</i> | <i>Unit</i> | <i>Unit Cost</i> | <i>Contingency</i> | <i>Total Cost</i> |
|--------------------|------------|-------------|------------------|--------------------|-------------------|
| Sensors | 3 | ea | \$ 25,000.00 | 20% | \$ 90,000.00 |
| Misc parts | 3 | ea | \$ 10,000.00 | 20% | \$ 36,000.00 |
| Sensor wires | 3 | ea | \$ 15,000.00 | 20% | \$ 54,000.00 |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |

Materials Total: \$ 180,000.00

**San Luis & Delta-Mendota Water Authority
Contracts Cost Estimate**

**FY2025
M2019028
JPP Plant Flowmetering System Rehabilitation
26-M4**

Contract Breakdown

| <i>Description</i> | <i>Qty</i> | <i>Unit</i> | <i>Unit Cost</i> | <i>Contingency</i> | <i>Total Cost</i> |
|--|------------|-------------|------------------|--------------------|-------------------|
| Days for the OEM to come out and setup and calibra | 4 | ea | \$ 20,000.00 | 20% | \$ 96,000.00 |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |

Contracts Total: \$ 96,000.00

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
PROJECT SUMMARY-SLDMWA Cost Estimate

FY2025
C2023004
DMC Underdrain Sedimentation Removal Project
26-L5

| | |
|--|-------------------------------|
| Total Fully Burdened Labor Cost | \$ 493,200.00 |
| Total Materials | \$ 3,800.00 |
| Total Contracts | \$ 590,400.00 |
| Project Grand Total | <u>\$ 1,087,400.00</u> |

Date Proposal Completed: 7/6/2023 JOB

NOTE: All costs are rounded up to the nearest \$100.

San Luis & Delta-Mendota Water Authority
Labor Cost Estimate

| FY2025 C2023004 DMC Underdrain Sedimentation Removal Project 26-L5 | FY25 Fully Burdened Hourly Rate (current highest total rate per craft w/benefits) | FY25 Fully Burdened OT Rate (includes PR tax & W/Comp) | Total Regular Hours | Total Overtime Hours | Regular Direct Labor | Overtime Labor | Total Labor Cost |
|---|--|--|------------------------|-------------------------|----------------------|----------------|------------------------|
| Position Title | A | B | F C x D x E | G | H =A x F | I =B x G | J = sum H + I |
| IT Officer | \$ 143.76 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Director, Facilities O&M | \$ 240.55 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Operations & Maintenance | \$ 178.00 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Planner, Hydro-Electric Maintenance | \$ 131.91 | \$ 140.00 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| C&I Technician (JPP) | \$ 147.45 | \$ 158.68 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrician, Hydro-Electric (JPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Mechanical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| Plant Mechanic, 2, Hydro-Electric Maintenance | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Painter (JPP) | \$ 101.92 | \$ 101.51 | 0 | 0 | \$ - | \$ - | \$ - |
| Foreman, O'Neill Pumping Plant | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| C&I Technician (OPP) | \$ 147.45 | \$ 158.68 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrician, Hydro-Electric (OPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Plant Mechanic, 2, Hydro-Electric Maintenance (OPP) | \$ 144.07 | \$ 154.61 | 480 | 0 | \$ 69,153.60 | \$ - | \$ 69,153.60 |
| Maintenance Superintendent, Civil | \$ 131.58 | \$ 139.59 | 182 | 0 | \$ 23,947.56 | \$ - | \$ 23,947.56 |
| Maintenance Foreman, Civil | \$ 110.27 | \$ 113.97 | 422 | 0 | \$ 46,533.94 | \$ - | \$ 46,533.94 |
| Planner, Civil Maintenance | \$ 101.75 | \$ 103.73 | 0 | 0 | \$ - | \$ - | \$ - |
| Heavy Equipment Operator | \$ 100.16 | \$ 101.81 | 821 | 0 | \$ 82,231.36 | \$ - | \$ 82,231.36 |
| Maintenance Worker, Civil | \$ 92.99 | \$ 93.20 | 1361 | 0 | \$ 126,559.39 | \$ - | \$ 126,559.39 |
| Mechanic, Equipment | \$ 94.07 | \$ 94.49 | 0 | 0 | \$ - | \$ - | \$ - |
| Contract Specialist | \$ 145.41 | \$ 161.38 | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Engineering | \$ 192.63 | \$ - | 64 | 0 | \$ 12,328.32 | \$ - | \$ 12,328.32 |
| Engineer, Plant - Senior | \$ 177.70 | \$ 195.05 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil - Senior | \$ 177.70 | \$ 195.05 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Mechanical - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Electrical - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil - Associate | \$ 162.95 | \$ 177.32 | 392 | 0 | \$ 63,876.40 | \$ - | \$ 63,876.40 |
| Engineer, Civil/Electrical/Mechanical - Assistant | \$ 130.24 | \$ 137.98 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil/Electrical/Mechanical - Junior | \$ 105.22 | \$ 107.89 | 538 | 0 | \$ 56,608.36 | \$ - | \$ 56,608.36 |
| Engineering Technician, Senior | \$ 123.86 | \$ 130.31 | 96 | 0 | \$ 11,890.56 | \$ - | \$ 11,890.56 |
| Electrical Project Specialist | \$ 158.24 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| SCADA Engineer | \$ 161.11 | \$ 175.10 | 0 | 0 | \$ - | \$ - | \$ - |
| SCADA Technician | \$ 153.20 | \$ 165.58 | 0 | 0 | \$ - | \$ - | \$ - |
| 4356 TRUE | | | | | | | \$ - |
| Sum of Overtime Cost | | | | | | | \$ - |
| Sum of Regular Time Cost | | | | | | | \$ 493,129.49 |
| Total Fully Burdened Labor Cost | | | | | | | \$ 493,129.49 |
| Materials Cost | | | | | | | \$ 3,780.00 |
| Contracts Cost | | | | | | | \$ 590,400.00 |
| Total | | | | | | | \$ 1,087,309.49 |

**San Luis & Delta-Mendota Water Authority
Materials Cost Estimate**

**FY2025
C2023004
DMC Underdrain Sedimentation Removal Project
26-L5**

Material Breakdown

| <i>Description</i> | <i>Qty</i> | <i>Unit</i> | <i>Unit Cost</i> | <i>Contingency</i> | <i>Total Cost</i> |
|--------------------|------------|-------------|------------------|--------------------|-------------------|
| 6inch minus rock | 70 | ton | \$ 45.00 | 20% | \$ 3,780.00 |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |

Materials Total: \$ 3,780.00

**San Luis & Delta-Mendota Water Authority
Contracts Cost Estimate**

**FY2025
C2023004
DMC Underdrain Sedimentation Removal Project
26-L5**

Contract Breakdown

| <i>Description</i> | <i>Qty</i> | <i>Unit</i> | <i>Unit Cost</i> | <i>Contingency</i> | <i>Total Cost</i> |
|----------------------|------------|-------------|------------------|--------------------|-------------------|
| Culvert Cleaning | 1 | LS | \$ 392,000.00 | 20% | \$ 470,400.00 |
| Biological Services | 1 | LS | \$ 50,000.00 | 20% | \$ 60,000.00 |
| CCTV Camera services | 1 | LS | \$ 20,000.00 | 20% | \$ 24,000.00 |
| Disposal | 1 | LS | \$ 30,000.00 | 20% | \$ 36,000.00 |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |

Contracts Total: \$ 590,400.00

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
PROJECT SUMMARY-SLDMWA Cost Estimate**

**FY2025
M2019044
JPP Machine Shop Crane Rehabilitation
26-M5**

| | |
|--|-----------------------------|
| Total Fully Burdened Labor Cost | \$ 56,200.00 |
| Total Materials | \$ 1,200.00 |
| Total Contracts | \$ 57,000.00 |
| Project Grand Total | \$ <u>114,400.00</u> |

Date Proposal Completed: 7/13/2023_mf

NOTE: All costs are rounded up to the nearest \$100.

**San Luis & Delta-Mendota Water Authority
Labor Cost Estimate**

| FY2025 M2019044 JPP Machine Shop Crane Rehabilitation 26-M5 | FY25 Fully Burdened Hourly Rate (current highest total rate per craft w/benefits) | FY25 Fully Burdened OT Rate (includes PR tax & W/Comp) | Total Regular Hours | Total Overtime Hours | Regular Direct Labor | Overtime Labor | Total Labor Cost |
|--|--|--|------------------------|-------------------------|----------------------|----------------|--------------------|
| | A | B | F | G | H | I | J |
| <u>Position Title</u> | | | C x D x E | | =A x F | =B x G | = sum H + I |
| IT Officer | \$ 143.76 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Director, Facilities O&M | \$ 240.55 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Operations & Maintenance | \$ 178.00 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Planner, Hydro-Electric Maintenance | \$ 131.91 | \$ 140.00 | 24 | 0 | \$ 3,165.84 | \$ - | \$ 3,165.84 |
| Electrical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 29 | 0 | \$ 4,717.72 | \$ - | \$ 4,717.72 |
| C&I Technician (JPP) | \$ 147.45 | \$ 158.68 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrician, Hydro-Electric (JPP) | \$ 144.07 | \$ 154.61 | 111 | 0 | \$ 15,991.77 | \$ - | \$ 15,991.77 |
| Mechanical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 17 | 0 | \$ 2,765.56 | \$ - | \$ 2,765.56 |
| Plant Mechanic, 2, Hydro-Electric Maintenance | \$ 144.07 | \$ 154.61 | 144 | 0 | \$ 20,746.08 | \$ - | \$ 20,746.08 |
| Painter (JPP) | \$ 101.92 | \$ 101.51 | 48 | 0 | \$ 4,892.16 | \$ - | \$ 4,892.16 |
| Foreman, O'Neill Pumping Plant | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| C&I Technician (OPP) | \$ 147.45 | \$ 158.68 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrician, Hydro-Electric (OPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Plant Mechanic, 2, Hydro-Electric Maintenance (OPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Superintendent, Civil | \$ 131.58 | \$ 139.59 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Foreman, Civil | \$ 110.27 | \$ 113.97 | 0 | 0 | \$ - | \$ - | \$ - |
| Planner, Civil Maintenance | \$ 101.75 | \$ 103.73 | 0 | 0 | \$ - | \$ - | \$ - |
| Heavy Equipment Operator | \$ 100.16 | \$ 101.81 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Worker, Civil | \$ 92.99 | \$ 93.20 | 0 | 0 | \$ - | \$ - | \$ - |
| Mechanic, Equipment | \$ 94.07 | \$ 94.49 | 0 | 0 | \$ - | \$ - | \$ - |
| Contract Specialist | \$ 145.41 | \$ 161.38 | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Engineering | \$ 192.63 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Plant - Senior | \$ 177.70 | \$ 195.05 | 10 | 0 | \$ 1,777.00 | \$ - | \$ 1,777.00 |
| Engineer, Civil - Senior | \$ 177.70 | \$ 195.05 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Mechanical - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Electrical - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil/Electrical/Mechanical - Assistant | \$ 130.24 | \$ 137.98 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil/Electrical/Mechanical - Junior | \$ 105.22 | \$ 107.89 | 20 | 0 | \$ 2,104.40 | \$ - | \$ 2,104.40 |
| Engineering Technician, Senior | \$ 123.86 | \$ 130.31 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrical Project Specialist | \$ 158.24 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| SCADA Engineer | \$ 161.11 | \$ 175.10 | 0 | 0 | \$ - | \$ - | \$ - |
| SCADA Technician | \$ 153.20 | \$ 165.58 | 0 | 0 | \$ - | \$ - | \$ - |

403
TRUE

| | |
|--|----------------------|
| <i>Sum of Overtime Cost</i> | \$ - |
| <i>Sum of Regular Time Cost</i> | \$ 56,160.53 |
| <i>Total Fully Burdened Labor Cost</i> | \$ 56,160.53 |
| <i>Materials Cost</i> | \$ 1,200.00 |
| <i>Contracts Cost</i> | \$ 57,000.00 |
| Total | \$ 114,360.53 |

**San Luis & Delta-Mendota Water Authority
Materials Cost Estimate**

**FY2025
M2019044
JPP Machine Shop Crane Rehabilitation
26-M5**

Material Breakdown

| <i>Description</i> | <i>Qty</i> | <i>Unit</i> | <i>Unit Cost</i> | <i>Contingency</i> | <i>Total Cost</i> |
|--------------------|------------|-------------|------------------|--------------------|-------------------|
| Paint | 1 | ea | \$ 1,000.00 | 20% | \$ 1,200.00 |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |

Materials Total: \$ 1,200.00

**San Luis & Delta-Mendota Water Authority
Contracts Cost Estimate**

**FY2025
M2019044
JPP Machine Shop Crane Rehabilitation
26-M5**

Contract Breakdown

| <i>Description</i> | <i>Qty</i> | <i>Unit</i> | <i>Unit Cost</i> | <i>Contingency</i> | <i>Total Cost</i> |
|--|------------|-------------|------------------|--------------------|-------------------|
| Preliminary Crane Inspection | 1 | ea | \$ 3,000.00 | 20% | \$ 3,600.00 |
| Crane Repairs | 1 | ea | \$ 40,000.00 | 20% | \$ 48,000.00 |
| Final Crane Inspection including load test | 1 | ea | \$ 4,500.00 | 20% | \$ 5,400.00 |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |

Contracts Total: \$ 57,000.00

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 Responsibilities with the current staffing levels.

Project Status:

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

**San Luis & Delta-Mendota Water Authority
PROJECT SUMMARY-SLDMWA Cost Estimate**

**FY2025
C2023005
Extraordinary O&M Program Management (All Facilities)
26-L6**

| | |
|--|-------------------------------|
| Total Fully Burdened Labor Cost | \$ 188,000.00 |
| Total Materials | \$ - |
| Total Contracts | \$ 1,130,400.00 |
| Project Grand Total | \$ <u>1,318,400.00</u> |

Date Proposal Completed: 07/25/2023_bm

NOTE: All costs are rounded up to the nearest \$100.

**San Luis & Delta-Mendota Water Authority
Labor Cost Estimate**

| FY2025 C2023005 Extraordinary O&M Program Management (All Facilities) 26-L6 | FY25 Fully Burdened Hourly Rate (current highest total rate per craft w/benefits) | FY25 Fully Burdened OT Rate (includes PR tax & W/Comp) | No. of Hours | Total Regular Hours | Total Overtime Hours | Regular Direct Labor | Overtime Labor | Total Labor Cost |
|--|--|--|-----------------|------------------------|-------------------------|----------------------|----------------|--------------------|
| | A | B | C | F | G | H | I | J |
| <u>Position Title</u> | | | | C x D x E | | =A x F | =B x G | = sum H + I |
| IT Officer | \$ 143.76 | \$ - | 10 | 10 | 0 | \$ 1,437.60 | \$ - | \$ 1,437.60 |
| SCADA Engineer | \$ 161.11 | \$ 175.10 | 15 | 15 | 0 | \$ 2,416.65 | \$ - | \$ 2,416.65 |
| SCADA Technician | \$ 153.20 | \$ 165.58 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| Director, Facilities O&M | \$ 240.55 | \$ - | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Operations & Maintenance | \$ 178.00 | \$ - | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| Planner, Hydro-Electric Maintenance | \$ 131.91 | \$ 140.00 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| C&I Technician (JPP) | \$ 147.45 | \$ 158.68 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrician, Hydro-Electric (JPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| Mechanical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| Plant Mechanic, 2, Hydro-Electric Maintenance | \$ 144.07 | \$ 154.61 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| Painter (JPP) | \$ 101.92 | \$ 101.51 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| Foreman, O'Neill Pumping Plant | \$ 162.68 | \$ 176.99 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| C&I Technician (OPP) | \$ 147.45 | \$ 158.68 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrician, Hydro-Electric (OPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| Plant Mechanic, 2, Hydro-Electric Maintenance (OPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Superintendent, Civil | \$ 131.58 | \$ 139.59 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Foreman, Civil | \$ 110.27 | \$ 113.97 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| Planner, Civil Maintenance | \$ 101.75 | \$ 103.73 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| Heavy Equipment Operator | \$ 100.16 | \$ 101.81 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Worker, Civil | \$ 92.99 | \$ 93.20 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| Mechanic, Equipment | \$ 94.07 | \$ 94.49 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| Contract Specialist | \$ 145.41 | \$ 161.38 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Engineering | \$ 192.63 | \$ - | 298 | 298 | 0 | \$ 57,403.74 | \$ - | \$ 57,403.74 |
| Engineer, Plant - Senior | \$ 177.70 | \$ 195.05 | 240 | 240 | 0 | \$ 42,648.00 | \$ - | \$ 42,648.00 |
| Engineer, Civil - Senior | \$ 177.70 | \$ 195.05 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Mechanical - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Electrical - Associate | \$ 162.95 | \$ 177.32 | 299 | 299 | 0 | \$ 48,722.05 | \$ - | \$ 48,722.05 |
| Engineer, Civil - Associate | \$ 162.95 | \$ 177.32 | 112 | 112 | 0 | \$ 18,250.40 | \$ - | \$ 18,250.40 |
| Engineer, Civil/Electrical/Mechanical - Assistant | \$ 130.24 | \$ 137.98 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil/Electrical/Mechanical - Junior | \$ 105.22 | \$ 107.89 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineering Technician, Senior | \$ 123.86 | \$ 130.31 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrical Project Specialist | \$ 158.24 | \$ 177.32 | 108 | 108 | 0 | \$ 17,089.92 | \$ - | \$ 17,089.92 |

1082

1082

TRUE

| | |
|--|------------------------|
| <i>Sum of Overtime Cost</i> | \$ - |
| <i>Sum of Regular Time Cost</i> | \$ 187,968.36 |
| <i>Total Fully Burdened Labor Cost</i> | \$ 187,968.36 |
| <i>Materials Cost</i> | \$ - |
| <i>Contracts Cost</i> | \$ 1,130,304.00 |
| Total | \$ 1,318,272.36 |

**San Luis & Delta-Mendota Water Authority
Contracts Cost Estimate**

**FY2025
C2023005
Extraordinary O&M Program Management (All Facilities)
26-L6**

Contract Breakdown

| <i>Description</i> | <i>Qty</i> | <i>Unit</i> | <i>Unit Cost</i> | <i>Contingency</i> | <i>Total Cost</i> |
|---|------------|-------------|------------------|--------------------|-------------------|
| Development of 10-Year Plan Project Cost Estimates: | 1 | LS | \$ 497,000.00 | 20% | \$ 596,400.00 |
| Design & Project Management Services | 1 | LS | \$ 444,920.00 | 20% | \$ 533,904.00 |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |

Contracts Total: \$ 1,130,304.00

| Project # | Project Description | Facility | Priority Year | Lead Discipline | Estimated Consultant Labor and Cost Information | | | | | SLDMWA Consultant Support/Management Labor Information | | | | | | | | | |
|--|--|----------|---------------|-----------------|---|-----------------------|-----------------|---------------------|--------------|--|------------------------|--|------------------------------|---------------------------------|--------------------------------|------------------------------|----------------------------------|----------------------|-----------------|
| | | | | | Estimator/Spec Writer | Staff/Design Engineer | Senior Engineer | Principal In-Charge | Total | IT Officer (Stewart) | Fac.O&M Director (Bob) | Manager, Operations & Maintenance (Chauncey) | Manager, Engineering (Jaime) | Senior Plant Engineer (Michael) | Assoc Elect Engineer (Charles) | Assoc Civil Engineer (Jacob) | Elect. Proj. Specialist (Jim L.) | SCADA Engineer (Dan) | |
| | | | | | \$ 150.00 | \$ 175.00 | \$ 210.00 | \$ 240.00 | | | | | | | | | | | Estimated Hours |
| Development of 10-Year Plan Project Cost Estimates: | | | | | | | | | | | | | | | | | | | |
| C2011001 | Facility Infrastructure Replacement/Rehabilitation Program | ALL | 2025 | Civil | 27 | 8 | 4 | 1 | \$ 6,530.00 | Civil | | | | 2 | | | 4 | | |
| C2023005 | EO&M Program Management Services | ALL | 2025 | Civil | | | | | \$ - | | | | | | | | | | |
| V1999001 | Heavy Equipment Replacement Program (Reserve Fund) | ALL | 2025 | Civil | | | | | \$ - | | | | | | | | | | |
| V1999002 | Vehicle Replacement Program (Reserve Fund) | ALL | 2025 | Civil | | | | | \$ - | | | | | | | | | | |
| C2015003 | DMC Subsidence Correction Project | DMC | 2025 | Civil | | | | | \$ - | | | | | | | | | | |
| C2023004 | Underdrain Sedimentation Removal Project | DMC | 2025 | Civil | | | | | \$ - | | | | | | | | | | |
| C1994005 | Warehouse Building (Design & Construction) | ONP | 2025 | Civil | | | | | \$ - | | | | | | | | | | |
| C2024003 | O&M Road Repair (Full Depth Rehab) (NEW PROJECT) | DMC | 2025 | Civil | | | | | \$ - | | | | | | | | | | |
| C1997002 | O&M Road Maintenance Program | DMC | 2026 | Civil | 8 | 4 | 1 | 0.5 | \$ 2,230.00 | | | | | 1 | | | 1 | | |
| C2022001 | Retaining Wall Rehabilitation | JPP | 2026 | Civil | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | | 2 | | | 4 | | |
| C2015006 | Replace DMC Althea Ave Bridge | DMC | 2028 | Civil | 40 | 40 | 8 | 1 | \$ 14,920.00 | | | | | 4 | | | 9 | | |
| C2019004 | TFO O&M Complex Pavement Rehabilitation | TFO | 2028 | Civil | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | | 2 | | | 4 | | |
| C2016001 | DMC Road Rehabilitation | DMC | 2029 | Civil | 20 | 10 | 4 | 1 | \$ 5,830.00 | | | | | 2 | | | 4 | | |
| C1996012 | Intake Channel Embankment Stabilization | DMC | 2030 | Civil | 80 | 80 | 27 | 8 | \$ 33,590.00 | | | | | 10 | | | 20 | | |
| C2015005 | Replace DMC Russell Ave Bridge | DMC | 2030 | Civil | 40 | 40 | 8 | 1 | \$ 14,920.00 | | | | | 4 | | | 9 | | |
| C2019002 | Canal Embankment Erosion Protection | DMC | 2032 | Civil | 40 | 40 | 8 | 1 | \$ 14,920.00 | | | | 4 | | | 9 | | | |
| C1994008 | Dredge JPP Intake Channel | JPP | 2032 | Civil | 80 | 80 | 27 | 8 | \$ 33,590.00 | | | | 10 | | | 20 | | | |
| E2023003 | Electric Vehicle Charging Stations Program | ALL | 2025 | Electrical | | | | | \$ - | Electrical | | | | | | | | | |
| E2024001 | Motor Protection Relay Replacement | DCI | 2025 | Electrical | | | | | \$ - | | | | | | | | | | |
| E2009005 | Excitation System & Control Panel Refurbishment Project | JPP | 2025 | Electrical | | | | | \$ - | | | | | | | | | | |
| E2024005 | Standby Generator Transfer Switch: Design & Construction | ONP | 2025 | Electrical | | | | | \$ - | | | | | | | | | | |
| E2024006 | Current Transformer (CT) Upgrade (Units 1 & 4) (NEW PROJECT) | JPP | 2025 | Electrical | | | | | \$ - | | | | | | | | | | |
| E2019003 | Check Electrical Equipment Rehabilitation | DMC | 2026 | Electrical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | | 2 | | | 4 | | |
| E2015004 | Station Service & Distribution Equip Replacement-DesignOnly | JPP | 2026 | Electrical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | | 2 | | | 4 | | |
| E2019005 | Station Service SWBD & Breaker Replacement (See E2015004) | JPP | 2026 | Electrical | 40 | 40 | 8 | 1 | \$ 14,920.00 | | | | | 4 | | | 9 | | |
| E2022004 | Switchgear Paralleling | JPP | 2026 | Electrical | 40 | 40 | 8 | 1 | \$ 14,920.00 | | | | | 4 | | | 9 | | |
| E2019030 | Plant Security System Improvements | ONP | 2026 | Electrical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | | 2 | | | 4 | | |
| E2015001 | TFO/LBFO/DCI Arc Flash Study | ALL | 2027 | Electrical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | | 2 | | | 4 | | |
| E2009004 | UPS Battery Replacement | JPP | 2027 | Electrical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | | 2 | | | 4 | | |
| E2019024 | Station Service Backup Battery System Replacement | JPP | 2027 | Electrical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | | 2 | | | 4 | | |
| E2004002 | Unit Rotor & Stator Rewind (All Units) | ONP | 2027 | Electrical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | | 2 | | | 4 | | |
| E2022005 | Unit Protection Equipment Replacement | ONP | 2027 | Electrical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | | 2 | | | 4 | | |
| E2019025 | Plant Security System Upgrades | JPP | 2028 | Electrical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | 2 | | | 4 | | | |
| E2023002 | Main Transformer Replacement Project | ONP | 2028 | Electrical | 40 | 40 | 8 | 1 | \$ 14,920.00 | | | | 4 | | | 9 | | | |
| E2015003 | Arc Flash Study - JPP | JPP | 2031 | Electrical | 8 | 4 | 1 | 0.5 | \$ 2,230.00 | | | | 1 | | | 1 | | | |
| E2022003 | Plant Protective Relay Replacement | JPP | 2031 | Electrical | 40 | 40 | 8 | 1 | \$ 14,920.00 | | | | 4 | | | 9 | | | |
| E2019001 | Pump & Motor Rehabilitation | DCI | 2032 | Electrical | 40 | 40 | 8 | 1 | \$ 14,920.00 | | | | 4 | | | 9 | | | |
| E2019015 | Plant Motor Control Center Upgrades | DCI | 2032 | Electrical | 40 | 40 | 8 | 1 | \$ 14,920.00 | | | | 4 | | | 9 | | | |
| E2019022 | Plant Annunciator Modernization | DCI | 2032 | Electrical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | 2 | | | 4 | | | |
| E2019006 | Current & Potential Transformer Rehabilitation | JPP | 2034 | Electrical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | 2 | | | 4 | | | |
| E2000004 | Replace Computer/Network Comm Equip (Reserve Fund) | ALL | 2025 | IT | | | | | \$ - | IT | | | | | | | | | |
| E2019019 | Plant Security System Improvements | DCI | 2030 | IT | 27 | 8 | 4 | 1 | \$ 6,530.00 | | 8 | | | 2 | | | | | |
| M2015003 | Rehabilitate Coating on Pump Casings & Bifurcation | JPP | 2025 | Mechanical | | | | | \$ - | | | | | | | | | | |
| M2019002 | Sand Filter System Rehabilitation | JPP | 2025 | Mechanical | | | | | \$ - | | | | | | | | | | |
| M2019028 | Plant Flowmetering System Rehabilitation | JPP | 2025 | Mechanical | | | | | \$ - | | | | | | | | | | |
| M2019044 | Machine Shop Crane Rehabilitation | JPP | 2025 | Mechanical | | | | | \$ - | | | | | | | | | | |
| M2024002 | Unit Valve Replacement | JPP | 2025 | Mechanical | | | | | \$ - | | | | | | | | | | |
| M1994022 | ONP Cooling Water System Rehabilitation | ONP | 2025 | Mechanical | | | | | \$ - | | | | | | | | | | |
| M2019001 | O'Neill PP Bridge Crane Rehabilitation | ONP | 2025 | Mechanical | | | | | \$ - | | | | | | | | | | |
| M2019038 | Sand Filter System Rehabilitation/Replacement | ONP | 2025 | Mechanical | | | | | \$ - | | | | | | | | | | |
| M2019022 | HVAC System Rehabilitation/Replacement | JPP | 2026 | Mechanical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | 2 | | 4 | | | | |
| M2022001 | Pump Bowl Replacement Program (ALL UNITS) | ONP | 2026 | Mechanical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | 2 | | 4 | | | | |
| M2024001 | CCTV Pipeline Inspection & Assessment (Water & Sewer) | TFO | 2026 | Mechanical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | 2 | | 4 | | | | |
| M2019009 | Flowmetering Upgrade | DCI | 2027 | Mechanical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | 2 | | 4 | | | | |
| M2019014 | Stoplog Rehabilitation | JPP | 2027 | Mechanical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | 2 | | 4 | | | | |
| M2019016 | Siphon Breaker Valve Control System Rehabilitation | JPP | 2027 | Mechanical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | 2 | | 4 | | | | |
| M1999002 | Unit Woodward Governor Replacement (All Units) | ONP | 2027 | Mechanical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | 2 | | 4 | | | | |
| M2017001 | OPP Shaft Sleeve Manufacturing | ONP | 2027 | Mechanical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | 2 | | 4 | | | | |
| M2019026 | Stoplog Rehabilitation (Lakeside) | ONP | 2027 | Mechanical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | 2 | | 4 | | | | |

| Project # | Project Description | Facility | Priority Year | Lead Discipline | Estimated Consultant Labor and Cost Information | | | | Total | SLDMWA Consultant Support/Management Labor Information | | | | | | | | | | | |
|---|---|----------|---------------|-----------------|---|-----------------------|-----------------|---------------------|----------------------|--|------------------------|--|------------------------------|---------------------------------|--------------------------------|------------------------------|----------------------------------|----------------------|----------|--|--|
| | | | | | Estimator/Spec Writer | Staff/Design Engineer | Senior Engineer | Principal In-Charge | | IT Officer (Stewart) | Fac.O&M Director (Bob) | Manager, Operations & Maintenance (Chauncey) | Manager, Engineering (Jaime) | Senior Plant Engineer (Michael) | Assoc Elect Engineer (Charles) | Assoc Civil Engineer (Jacob) | Elect. Proj. Specialist (Jim L.) | SCADA Engineer (Dan) | | | |
| | | | | | Estimated Hourly Charge Rate | \$ 150.00 | \$ 175.00 | \$ 210.00 | | \$ 240.00 | | | | | | | | | | | |
| | | | | | Estimated Hours | | | | | | | | | | | | | | | | |
| M2019049 | Lakeside & Canalside Trashrack Replacement | ONP | 2027 | Mechanical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | 2 | 4 | | | | | | | |
| M2022002 | Pump Assembly & Penstock Rehabilitation Program | ONP | 2027 | Mechanical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | 2 | 4 | | | | | | | |
| M2014002 | Rebalance Unit 5 Impeller | JPP | 2028 | Mechanical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | 2 | 4 | | | | | | | |
| M2019025 | 100 Ton Gantry Crane Rehabilitation | JPP | 2029 | Mechanical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | 2 | 4 | | | | | | | |
| E2019010 | Plant Flowmeter System Rehabilitation | ONP | 2029 | Mechanical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | 2 | 4 | | | | | | | |
| M2019033 | Plant Roof Surface Replacement | ONP | 2029 | Mechanical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | 2 | 4 | | | | | | | |
| M2019043 | HVAC System Rehabilitation/Replacement | ONP | 2029 | Mechanical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | 2 | 4 | | | | | | | |
| C2019005 | Penstock/Manifold Interior Coating Rehabilitation | DCI | 2030 | Mechanical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | 2 | 4 | | | | | | | |
| C2019001 | Radial Gate Rehabilitation Program | DMC | 2030 | Mechanical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | 2 | 4 | | | | | | | |
| M2022004 | Check Structure Mech Equipment Rehab/Replacement Program | DMC | 2030 | Mechanical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | 2 | 4 | | | | | | | |
| M2019015 | Trashrack Cleaner Rehabilitation | JPP | 2030 | Mechanical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | 2 | 4 | | | | | | | |
| M2019045 | Stub Shaft Crane Rehabilitation | JPP | 2030 | Mechanical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | 2 | 4 | | | | | | | |
| M2019048 | Plant Hydraulic System Rehabilitation/Replacement | JPP | 2030 | Mechanical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | 2 | 4 | | | | | | | |
| M2022003 | Trashrack Cleaner & Stoplog Crane Rehabilitation/Automation | ONP | 2030 | Mechanical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | 2 | 4 | | | | | | | |
| M2010001 | TFO Domestic/Potable Waterline Replacement | JPP | 2031 | Mechanical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | 2 | 4 | | | | | | | |
| C2023003 | Recoat Exterior of All Penstocks | ONP | 2031 | Mechanical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | 2 | 4 | | | | | | | |
| M2019008 | Pump Intake Diffuser Panel Rehabilitation/Replacement | DCI | 2032 | Mechanical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | 2 | 4 | | | | | | | |
| M2019041 | CA Turnout Slide Gate Rehabilitation/Replacement | DCI | 2032 | Mechanical | 8 | 4 | 1 | 0.5 | \$ 2,230.00 | | | | 1 | 1 | | | | | | | |
| M2019035 | TFO Industrial Water Storage Tank Rehabilitation | TFO | 2032 | Mechanical | 8 | 4 | 1 | 0.5 | \$ 2,230.00 | | | | 1 | 1 | | | | | | | |
| M2008002 | Cooling Water Line Replacement | JPP | 2033 | Mechanical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | 2 | 4 | | | | | | | |
| M2019030 | Design & Install Forebay Trashrack Cleaner & Stoplog Hoist | ONP | 2033 | Mechanical | 27 | 8 | 4 | 1 | \$ 6,530.00 | | | | 2 | 4 | | | | | | | |
| S2024001 | SCADA Replacement & Modernization Program (Reserve Fund) | ALL | 2025 | SCADA | | | | | \$ - | | | | | | | | | | | | |
| E2024002 | Siphon Breaker Communication Upgrades | JPP | 2025 | SCADA | | | | | \$ - | | | | | | | | | | | | |
| E2024003 | Trashrake Controls Modernization | JPP | 2025 | SCADA | | | | | \$ - | | | | | | | | | | | | |
| 83 Projects | | | | | | | | | | | | | | | | | | | | | |
| Total Cost for Development of 10-Year Plan Project Cost Estimates: | | | | | | | | | \$ 497,000.00 | In-House Support Hours: | 8 | 0 | 0 | 150 | 115 | 99 | 83 | 0 | 0 | | |

| Project # | Project Description | Facility | Priority Year | Lead Discipline | Estimated Consultant Labor and Cost Information | | | | Total |
|-----------|---------------------|----------|---------------|-----------------|---|-----------------------|-----------------|---------------------|-------|
| | | | | | Estimator/Spec Writer | Staff/Design Engineer | Senior Engineer | Principal In-Charge | |
| | | | | | \$ 150.00 | \$ 175.00 | \$ 210.00 | \$ 240.00 | |

| SLDMWA Consultant Support/Management Labor Information | | | | | | | | |
|--|------------------------|--|------------------------------|---------------------------------|--------------------------------|------------------------------|----------------------------------|----------------------|
| IT Officer (Stewart) | Fac.O&M Director (Bob) | Manager, Operations & Maintenance (Chauncey) | Manager, Engineering (Jaime) | Senior Plant Engineer (Michael) | Assoc Elect Engineer (Charles) | Assoc Civil Engineer (Jacob) | Elect. Proj. Specialist (Jim L.) | SCADA Engineer (Dan) |

| Design & Project Management Services | | | | | | | | | | Consultant Design Management | Consultant Administration Management | In-House Support Hours: | | | | | | | | |
|--------------------------------------|--|----------|---------------|-----------------|---|-----------------------|-----------------|---------------------|---------------|------------------------------|--------------------------------------|-------------------------|----------|----------|-----------|-----------|------------|-----------|-----------|-----------|
| Project # | Project Description | Facility | Priority Year | Lead Discipline | Estimator/Spec Writer | Staff/Design Engineer | Senior Engineer | Principal In-Charge | Total | | | | | | | | | | | |
| C2011001 | Facility Infrastructure Replacement/Rehabilitation Program | ALL | 2025 | Civil | | | | | \$ - | | | | | | | | | | | |
| C2023005 | EO&M Program Management Services | ALL | 2025 | Civil | | | | | \$ - | | | | | | | | | | | |
| V1999001 | Heavy Equipment Replacement Program (Reserve Fund) | ALL | 2025 | Civil | | | | | \$ - | | | | | | | | | | | |
| V1999002 | Vehicle Replacement Program (Reserve Fund) | ALL | 2025 | Civil | | | | | \$ - | | | | | | | | | | | |
| C2015003 | DMC Subsidence Correction Project | DMC | 2025 | Civil | | | | | \$ - | | | | | | | | | | | |
| C2023004 | Underdrain Sedimentation Removal Project | DMC | 2025 | Civil | | | | | \$ - | | | | | | | | | | | |
| C1994005 | Warehouse Building (Design & Construction) | ONP | 2025 | Civil | | | | | \$ - | | | | | | | | | | | |
| E2023003 | Electric Vehicle Charging Stations Program | ALL | 2025 | Electrical | | | | | \$ - | | | | | | | | | | | |
| E2024001 | Motor Protection Relay Replacement | DCI | 2025 | Electrical | | | | | \$ - | | | | | | | | | | | |
| E2009005 | Excitation System & Control Panel Refurbishment Project | JPP | 2025 | Electrical | | | | | \$ - | | | | | | | | | | | |
| E2024005 | Standby Generator Transfer Switch: Design & Construction | ONP | 2025 | Electrical | | | | | \$ - | | | | | | | | | | | |
| E2000004 | Replace Computer/Network Comm Equip (Reserve Fund) | ALL | 2025 | IT | | | | | \$ - | | | | | | | | | | | |
| M2015003 | Rehabilitate Coating on Pump Casings & Bifurcation | JPP | 2025 | Mechanical | | | | | \$ - | | | | | | | | | | | |
| M2019002 | Sand Filter System Rehabilitation | JPP | 2025 | Mechanical | | | | | \$ - | | | | | | | | | | | |
| M2019028 | Plant Flowmetering System Rehabilitation | JPP | 2025 | Mechanical | | | | | \$ - | | | | | | | | | | | |
| M2019044 | Machine Shop Crane Rehabilitation | JPP | 2025 | Mechanical | | | | | \$ - | | | | | | | | | | | |
| M2024002 | Unit Valve Replacement | JPP | 2025 | Mechanical | | | | | \$ - | | | | | | | | | | | |
| M1994022 | ONP Cooling Water System Rehabilitation | ONP | 2025 | Mechanical | | | | | \$ - | | | | | | | | | | | |
| M2019001 | O'Neill PP Bridge Crane Rehabilitation | ONP | 2025 | Mechanical | | | | | \$ - | | | | | | | | | | | |
| M2019038 | Sand Filter System Rehabilitation/Replacement | ONP | 2025 | Mechanical | | | | | \$ - | | | | | | | | | | | |
| S2024001 | SCADA Replacement & Modernization Program (Reserve Fund) | ALL | 2025 | SCADA | | | | | \$ - | | | | | | | | | | | |
| E2024002 | Siphon Breaker Communication Upgrades | JPP | 2025 | SCADA | | | | | \$ - | | | | | | | | | | | |
| E2024003 | Trashrake Controls Modernization | JPP | 2025 | SCADA | | | | | \$ - | | | | | | | | | | | |
| C2011001 | Facility Infrastructure Replacement/Rehabilitation Program | ALL | 2026 | Civil | 0 | | 0 | 0 | \$ - | | | | | | | | | | | |
| C2023005 | EO&M Program Management Services | ALL | 2026 | Civil | 0 | | 0 | 0 | \$ - | | | | | | | | | | | |
| V1999001 | Heavy Equipment Replacement Program (Reserve Fund) | ALL | 2026 | Civil | 0 | | 0 | 0 | \$ - | | | | | | | | | | | |
| V1999002 | Vehicle Replacement Program (Reserve Fund) | ALL | 2026 | Civil | 0 | | 0 | 0 | \$ - | | | | | | | | | | | |
| C2015003 | DMC Subsidence Correction Project | DMC | 2026 | Civil | 0 | | 0 | 0 | \$ - | | | | | | | | | | | |
| C1997002 | O&M Road Maintenance Program | DMC | 2026 | Civil | | | | | \$ - | | | | | | | | | | | |
| C2022001 | Retaining Wall Rehabilitation | JPP | 2026 | Civil | 40 | 40 | 20 | 4 | \$ 18,160.00 | | 4 | 10 | | | | | | | | |
| E2019003 | Check Electrical Equipment Rehabilitation | DMC | 2026 | Electrical | 0 | | 0 | 0 | \$ - | | | | | | | | | | | |
| E2023003 | Electric Vehicle Charging Stations Program | ALL | 2026 | Electrical | 0 | | 0 | 0 | \$ - | | | | | | | | | | | |
| E2009005 | Excitation System & Control Panel Refurbishment Project | JPP | 2026 | Electrical | 0 | | 0 | 0 | \$ - | | | | | | | | | | | |
| E2015004 | Station Service & Distribution Equip Replacement - Design Only | JPP | 2026 | Electrical | 240 | 240 | 120 | 24 | \$ 108,960.00 | | 24 | 60 | | | | | | | | |
| E2019005 | Station Service SWBD & Breaker Replacement (See E2015004) | JPP | 2026 | Electrical | | | | | \$ - | | | 36 | | | | | | | | |
| E2022004 | Switchgear Paralleling | JPP | 2026 | Electrical | 240 | 240 | 120 | 24 | \$ 108,960.00 | | 24 | 60 | | | | | | | | |
| E2019030 | Plant Security System Improvements | ONP | 2026 | Electrical | 120 | 120 | 60 | 12 | \$ 54,480.00 | | 12 | 30 | | | | | | | | |
| E2000004 | Replace Computer/Network Comm Equip (Reserve Fund) | ALL | 2026 | IT | 0 | | 0 | 0 | \$ - | | | 18 | | | | | | | | |
| M2019022 | HVAC System Rehabilitation/Replacement | JPP | 2026 | Mechanical | 80 | 80 | 40 | 8 | \$ 36,320.00 | | 8 | 20 | | | | | | | | |
| M2015003 | Rehabilitate Coating on Pump Casings & Bifurcation | JPP | 2026 | Mechanical | 0 | | 0 | 0 | \$ - | | | | | | | | | | | |
| M2022001 | Pump Bowl Replacement Program (ALL UNITS) | ONP | 2026 | Mechanical | 240 | 240 | 120 | 24 | \$ 108,960.00 | | 24 | 60 | | | | | | | | |
| M2024001 | CCTV Pipeline Inspection & Assessment (Water & Sewer) | TFO | 2026 | Mechanical | 20 | 20 | 10 | 2 | \$ 9,080.00 | | 2 | 5 | | | | | | | | |
| S2024001 | SCADA Replacement & Modernization Program (Reserve Fund) | ALL | 2026 | SCADA | 0 | | 0 | 0 | \$ - | | | | | | | | | | | |
| 20 - FY2026 Projects | | | | | Total Cost for Design & Project Management Services: | | | | | \$ 444,920.00 | In-House Support Hours: | 0 | 0 | 0 | 98 | 85 | 150 | 10 | 90 | 12 |

| | | | | | | | | | |
|------------------------------------|----------|----------|----------|------------|------------|------------|-----------|-----------|-----------|
| Total In-House Labor Hours: | 8 | 0 | 0 | 248 | 200 | 249 | 93 | 90 | 12 |
|------------------------------------|----------|----------|----------|------------|------------|------------|-----------|-----------|-----------|

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
PROJECT SUMMARY-SLDMWA Cost Estimate**

FY2025

S2024001

ALL SCADA Replacement & Modernization Program (Reserve Fund)

26-D4

| | |
|--|-----------------------------|
| Total Fully Burdened Labor Cost | \$ 331,700.00 |
| Total Materials | \$ 93,600.00 |
| Total Contracts | \$ - |
| Project Grand Total | <u>\$ 425,300.00</u> |

Date Proposal Completed: 08/15/2023_jm

NOTE: All costs are rounded up to the nearest \$100.

**San Luis & Delta-Mendota Water Authority
Labor Cost Estimate**

| FY2025 S2024001 ALL SCADA Replacement & Modernization Program (Reserve Fund) 26-D4 | FY25 Fully Burdened Hourly Rate (current highest total rate per craft w/benefits) | FY25 Fully Burdened OT Rate (includes PR tax & W/Comp) | Total Regular Hours | Total Overtime Hours | Regular Direct Labor | Overtime Labor | Total Labor Cost |
|---|--|--|------------------------|-------------------------|----------------------|----------------|--------------------|
| | A | B | F | G | H | I | J |
| <u>Position Title</u> | | | C x D x E | | =A x F | =B x G | = sum H + I |
| IT Officer | \$ 143.76 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| SCADA Engineer | \$ 161.11 | \$ 175.10 | 332 | 0 | \$ 53,488.52 | \$ - | \$ 53,488.52 |
| SCADA Technician | \$ 153.20 | \$ 165.58 | 864 | 0 | \$ 132,364.80 | \$ - | \$ 132,364.80 |
| Director, Facilities O&M | \$ 240.55 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Operations & Maintenance | \$ 178.00 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Planner, Hydro-Electric Maintenance | \$ 131.91 | \$ 140.00 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 9 | 0 | \$ 1,464.12 | \$ - | \$ 1,464.12 |
| C&I Technician (JPP) | \$ 147.45 | \$ 158.68 | 58 | 0 | \$ 8,552.10 | \$ - | \$ 8,552.10 |
| Electrician, Hydro-Electric (JPP) | \$ 144.07 | \$ 154.61 | 600 | 0 | \$ 86,442.00 | \$ - | \$ 86,442.00 |
| Mechanical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| Plant Mechanic, 2, Hydro-Electric Maintenance | \$ 144.07 | \$ 154.61 | 125 | 0 | \$ 18,008.75 | \$ - | \$ 18,008.75 |
| Painter (JPP) | \$ 101.92 | \$ 101.51 | 0 | 0 | \$ - | \$ - | \$ - |
| Foreman, O'Neill Pumping Plant | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| C&I Technician (OPP) | \$ 147.45 | \$ 158.68 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrician, Hydro-Electric (OPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Plant Mechanic, 2, Hydro-Electric Maintenance (OPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Superintendent, Civil | \$ 131.58 | \$ 139.59 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Foreman, Civil | \$ 110.27 | \$ 113.97 | 0 | 0 | \$ - | \$ - | \$ - |
| Planner, Civil Maintenance | \$ 101.75 | \$ 103.73 | 0 | 0 | \$ - | \$ - | \$ - |
| Heavy Equipment Operator | \$ 100.16 | \$ 101.81 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Worker, Civil | \$ 92.99 | \$ 93.20 | 0 | 0 | \$ - | \$ - | \$ - |
| Mechanic, Equipment | \$ 94.07 | \$ 94.49 | 0 | 0 | \$ - | \$ - | \$ - |
| Contract Specialist | \$ 145.41 | \$ 161.38 | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Engineering | \$ 192.63 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Plant - Senior | \$ 177.70 | \$ 195.05 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil - Senior | \$ 177.70 | \$ 195.05 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Mechanical - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Electrical - Associate | \$ 162.95 | \$ 177.32 | 192 | 0 | \$ 31,286.40 | \$ - | \$ 31,286.40 |
| Engineer, Civil - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil/Electrical/Mechanical - Assistant | \$ 130.24 | \$ 137.98 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil/Electrical/Mechanical - Junior | \$ 105.22 | \$ 107.89 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineering Technician, Senior | \$ 123.86 | \$ 130.31 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrical Project Specialist | \$ 158.24 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |

2180
TRUE

| | |
|--|----------------------|
| <i>Sum of Overtime Cost</i> | \$ - |
| <i>Sum of Regular Time Cost</i> | \$ 331,606.69 |
| <i>Total Fully Burdened Labor Cost</i> | \$ 331,606.69 |
| <i>Materials Cost</i> | \$ 93,600.00 |
| <i>Contracts Cost</i> | \$ - |
| Total | \$ 425,206.69 |

**San Luis & Delta-Mendota Water Authority
Materials Cost Estimate**

**FY2025
S2024001
ALL SCADA Replacement & Modernization Program (Reserve Fund)
26-D4**

Material Breakdown

| <i>Description</i> | <i>Qty</i> | <i>Unit</i> | <i>Unit Cost</i> | <i>Contingency</i> | <i>Total Cost</i> |
|---------------------------|------------|-------------|------------------|--------------------|-------------------|
| PLC's | 1 | ea | \$ 35,000.00 | 20% | \$ 42,000.00 |
| Computer | 1 | ea | \$ 7,500.00 | 20% | \$ 9,000.00 |
| AT&T APN Modems | 1 | ea | \$ 11,500.00 | 20% | \$ 13,800.00 |
| Workstation with Monitors | 1 | ea | \$ 3,500.00 | 20% | \$ 4,200.00 |
| Servers | 1 | ea | \$ 18,000.00 | 20% | \$ 21,600.00 |
| Thin Clients and Monitors | 1 | ea | \$ 2,500.00 | 20% | \$ 3,000.00 |
| | | | \$ - | 20% | \$ - |
| | | | | 20% | \$ - |

Materials Total: \$ 93,600.00

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 Regular 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: | <i>POOR: X</i> | <i>FAIR:</i> <i>GOOD:</i> |

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
PROJECT SUMMARY-SLDMWA Cost Estimate**

FY2025

V1999001

ALL Heavy Equipment Replacement Program (Reserve Fund)

26-D2

| | |
|--|----------------------------|
| Total Fully Burdened Labor Cost | \$ 14,300.00 |
| Total Materials | \$ - |
| Total Contracts | \$ 84,000.00 |
| Project Grand Total | \$ <u>98,300.00</u> |

Date Proposal Completed: 07/18/2023_jl

NOTE: All costs are rounded up to the nearest \$100.

**San Luis & Delta-Mendota Water Authority
Labor Cost Estimate**

| FY2025 V1999001 ALL Heavy Equipment Replacement Program (Reserve Fund) 26-D2 | FY25 Fully Burdened Hourly Rate (current highest total rate per craft w/benefits) | FY25 Fully Burdened OT Rate (includes PR tax & W/Comp) | Total Regular Hours | Total Overtime Hours | Regular Direct Labor | Overtime Labor | Total Labor Cost |
|---|---|--|---------------------|----------------------|----------------------|----------------|--------------------|
| | A | B | F | G | H | I | J |
| | <u>Position Title</u> | | C x D x E | | =A x F | =B x G | = sum H + I |
| IT Officer | \$ 143.76 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Director, Facilities O&M | \$ 240.55 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Operations & Maintenance | \$ 178.00 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Planner, Hydro-Electric Maintenance | \$ 131.91 | \$ 140.00 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| C&I Technician (JPP) | \$ 147.45 | \$ 158.68 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrician, Hydro-Electric (JPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Mechanical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| Plant Mechanic, 2, Hydro-Electric Maintenance | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Painter (JPP) | \$ 101.92 | \$ 101.51 | 0 | 0 | \$ - | \$ - | \$ - |
| Foreman, O'Neill Pumping Plant | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| C&I Technician (OPP) | \$ 147.45 | \$ 158.68 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrician, Hydro-Electric (OPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Plant Mechanic, 2, Hydro-Electric Maintenance (OPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Superintendent, Civil | \$ 131.58 | \$ 139.59 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Foreman, Civil | \$ 110.27 | \$ 113.97 | 0 | 0 | \$ - | \$ - | \$ - |
| Planner, Civil Maintenance | \$ 101.75 | \$ 103.73 | 0 | 0 | \$ - | \$ - | \$ - |
| Heavy Equipment Operator | \$ 100.16 | \$ 101.81 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Worker, Civil | \$ 92.99 | \$ 93.20 | 0 | 0 | \$ - | \$ - | \$ - |
| Mechanic, Equipment | \$ 94.07 | \$ 94.49 | 0 | 0 | \$ - | \$ - | \$ - |
| Contract Specialist | \$ 145.41 | \$ 161.38 | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Engineering | \$ 192.63 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Plant - Senior | \$ 177.70 | \$ 195.05 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil - Senior | \$ 177.70 | \$ 195.05 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Mechanical - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Electrical - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil/Electrical/Mechanical - Assistant | \$ 130.24 | \$ 137.98 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil/Electrical/Mechanical - Junior | \$ 105.22 | \$ 107.89 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineering Technician, Senior | \$ 123.86 | \$ 130.31 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrical Project Specialist | \$ 158.24 | \$ 177.32 | 90 | 0 | \$ 14,241.60 | \$ - | \$ 14,241.60 |
| SCADA Engineer | \$ 161.11 | \$ 175.10 | 0 | 0 | \$ - | \$ - | \$ - |
| SCADA Technician | \$ 153.20 | \$ 165.58 | 0 | 0 | \$ - | \$ - | \$ - |

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TRUE

| | |
|---------------------------------|---------------------|
| Sum of Overtime Cost | \$ - |
| Sum of Regular Time Cost | \$ 14,241.60 |
| Total Fully Burdened Labor Cost | \$ 14,241.60 |
| Materials Cost | \$ - |
| Contracts Cost | \$ 84,000.00 |
| Total | \$ 98,241.60 |

**San Luis & Delta-Mendota Water Authority
Contracts Cost Estimate**

**FY2025
V1999001
ALL Heavy Equipment Replacement Program (Reserve Fund)
26-D2**

Contract Breakdown

| <i>Description</i> | <i>Qty</i> | <i>Unit</i> | <i>Unit Cost</i> | <i>Contingency</i> | <i>Total Cost</i> |
|--------------------|------------|-------------|------------------|--------------------|-------------------|
| Tilt bed trailer | 1 | ea | \$ 70,000.00 | 20% | \$ 84,000.00 |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |

Contracts Total: \$ 84,000.00

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**

| Veh No. | FRONT LINE VEHICLE DESCRIPTION | Vehicle User | Model Year | Assigned To: | B | C | D | E | | Estimated Replacement Cost (FY2019\$) | Future ZEV | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 |
|---------|--|--------------|------------|-------------------------------|--------------------------|------------------------|---|--|-----------------------------|---------------------------------------|-------------------------|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | | | | | 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 | | | | | | | | | | | | |
| | | | | 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 | | | | | | | | | | |
| 8141 | 1/2 Ton Pickup | R. Martin | 2018 | LBFO Canal Operations | 130,720 | 26,144 | 1 | 2025 | 130,720 | 2025 | \$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 | | | \$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 | Hydrographer | 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 | | | | | | | | | | |

Notes:

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- Exec. Director & COO vehicles to be replaced every 5 years and reassigned to another Department.
- TFO & LBFO Canal Operations high mileage vehicles shall be replaced every 5 or 6 years and reassigned to another Department.
- 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

| | | | | | | | | | | | |
|--|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|---------------------|
| | 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

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

SMALL SUV

ESTIMATE COST: \$36,000

| <u>EXISTING VEHICLE INFORMATION</u> | | | |
|---|---|-----------------------|--------------|
| 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: | <i>POOR:</i> | <i>FAIR: X</i> | <i>GOOD:</i> |
| <u>DESCRIPTION AND JUSTIFICATION</u> | | | |
| 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. | | | |
| <u>INTENDED USE AFTER REPLACEMENT:</u> | | | |
| | <i>REASSIGNMENT TO:</i> Engineering | <i>SURPLUS:</i> | |
| <u>VEHICLE TO BE SURPLUSED:</u> | | | |
| 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: | <i>POOR: X</i> | <i>FAIR:</i> | <i>GOOD:</i> |
| 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

| <u>EXISTING VEHICLE INFORMATION</u> | | | |
|--|---|-------------------------|--------------------------|
| 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: | <i>POOR:</i> X | <i>FAIR:</i> | <i>GOOD:</i> |
| <u>DESCRIPTION AND JUSTIFICATION</u> | | | |
| 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. | | | |
| | | | |
| <u>INTENDED USE AFTER REPLACEMENT:</u> | | <i>REASSIGNMENT TO:</i> | <i>SURPLUS:</i> X |
| <u>VEHICLE TO BE SURPLUSUED:</u> | | | |
| VEHICLE NO: | YEAR: | AGE (YRS.): | |
| MAKE: | MODEL: | | |
| DEPARTMENT: | MAINTENANCE YARD: | | |
| CURRENT VEHICLE MILEAGE: | | | |
| MECHANICS RATING OF VEHICLE: | <i>POOR:</i> | <i>FAIR:</i> | <i>GOOD:</i> |
| 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

| <u>EXISTING VEHICLE INFORMATION</u> | | | |
|---|---|-----------------------|--------------|
| 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: | <i>POOR:</i> | <i>FAIR: X</i> | <i>GOOD:</i> |
| <u>DESCRIPTION AND JUSTIFICATION</u> | | | |
| 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: | | | |
| <ul style="list-style-type: none"> ➤ 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. | | | |
| <u>INTENDED USE AFTER REPLACEMENT:</u> | | | |
| <i>REASSIGNMENT TO:</i> OPP | | <i>SURPLUS:</i> | |
| <u>VEHICLE TO BE SURPLUSSED:</u> | | | |
| 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: | <i>POOR: X</i> | <i>FAIR:</i> | <i>GOOD:</i> |
| GENERAL NOTE: | | | |

Date Prepared: 8/22/2023

**San Luis & Delta-Mendota Water Authority
PROJECT SUMMARY-SLDMWA Cost Estimate**

**FY2025
V1999002
ALL Vehicle Replacement (Reserve Fund)
26-D1**

| | |
|--|-----------------------------|
| Total Fully Burdened Labor Cost | \$ 20,900.00 |
| Total Materials | \$ - |
| Total Contracts | \$ 170,400.00 |
| Project Grand Total | \$ <u>191,300.00</u> |

Date Proposal Completed: 0718/2023_jl

NOTE: All costs are rounded up to the nearest \$100.

**San Luis & Delta-Mendota Water Authority
Labor Cost Estimate**

| FY2025 V1999002 ALL Vehicle Replacement (Reserve Fund) 26-D1 | FY25 Fully Burdened Hourly Rate (current highest total rate per craft w/benefits) | FY25 Fully Burdened OT Rate (includes PR tax & W/Comp) | Total Regular Hours | Total Overtime Hours | Regular Direct Labor | Overtime Labor | Total Labor Cost |
|---|--|--|------------------------|-------------------------|----------------------|----------------|--------------------|
| | A | B | F | G | H | I | J |
| <u>Position Title</u> | | | C x D x E | | =A x F | =B x G | = sum H + I |
| IT Officer | \$ 143.76 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Director, Facilities O&M | \$ 240.55 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Operations & Maintenance | \$ 178.00 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Planner, Hydro-Electric Maintenance | \$ 131.91 | \$ 140.00 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| C&I Technician (JPP) | \$ 147.45 | \$ 158.68 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrician, Hydro-Electric (JPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Mechanical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| Plant Mechanic, 2, Hydro-Electric Maintenance | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Painter (JPP) | \$ 101.92 | \$ 101.51 | 0 | 0 | \$ - | \$ - | \$ - |
| Foreman, O'Neill Pumping Plant | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| C&I Technician (OPP) | \$ 147.45 | \$ 158.68 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrician, Hydro-Electric (OPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Plant Mechanic, 2, Hydro-Electric Maintenance (OPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Superintendent, Civil | \$ 131.58 | \$ 139.59 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Foreman, Civil | \$ 110.27 | \$ 113.97 | 0 | 0 | \$ - | \$ - | \$ - |
| Planner, Civil Maintenance | \$ 101.75 | \$ 103.73 | 0 | 0 | \$ - | \$ - | \$ - |
| Heavy Equipment Operator | \$ 100.16 | \$ 101.81 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Worker, Civil | \$ 92.99 | \$ 93.20 | 0 | 0 | \$ - | \$ - | \$ - |
| Mechanic, Equipment | \$ 94.07 | \$ 94.49 | 0 | 0 | \$ - | \$ - | \$ - |
| Contract Specialist | \$ 145.41 | \$ 161.38 | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Engineering | \$ 192.63 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Plant - Senior | \$ 177.70 | \$ 195.05 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil - Senior | \$ 177.70 | \$ 195.05 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Mechanical - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Electrical - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil/Electrical/Mechanical - Assistant | \$ 130.24 | \$ 137.98 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil/Electrical/Mechanical - Junior | \$ 105.22 | \$ 107.89 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineering Technician, Senior | \$ 123.86 | \$ 130.31 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrical Project Specialist | \$ 158.24 | \$ 177.32 | 132 | 0 | \$ 20,887.68 | \$ - | \$ 20,887.68 |
| SCADA Engineer | \$ 161.11 | \$ 175.10 | 0 | 0 | \$ - | \$ - | \$ - |
| SCADA Technician | \$ 153.20 | \$ 165.58 | 0 | 0 | \$ - | \$ - | \$ - |

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TRUE

| | |
|--|----------------------|
| <i>Sum of Overtime Cost</i> | \$ - |
| <i>Sum of Regular Time Cost</i> | \$ 20,887.68 |
| <i>Total Fully Burdened Labor Cost</i> | \$ 20,887.68 |
| <i>Materials Cost</i> | \$ - |
| <i>Contracts Cost</i> | \$ 170,400.00 |
| Total | \$ 191,287.68 |

**San Luis & Delta-Mendota Water Authority
Contracts Cost Estimate**

**FY2025
V1999002
ALL Vehicle Replacement (Reserve Fund)
26-D1**

Contract Breakdown

| <i>Description</i> | <i>Qty</i> | <i>Unit</i> | <i>Unit Cost</i> | <i>Contingency</i> | <i>Total Cost</i> |
|---------------------------------------|------------|-------------|------------------|--------------------|-------------------|
| 8091-Small SUV | 1 | Ea | \$ 36,000.00 | 20% | \$ 43,200.00 |
| 8141-1/2 Ton Pickup | 1 | Ea | \$ 41,000.00 | 20% | \$ 49,200.00 |
| 8147-3/4 Ton Pickup with Utility Body | 1 | Ea | \$ 65,000.00 | 20% | \$ 78,000.00 |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |

Contracts Total: \$ 170,400.00

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 Infrastructure 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 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| <i>Roof Repair/Replacement</i> | 25 | 25 | 2002 | 2027 | | \$ 25 | | | | | | | | |
| Building Interior/Exterior Components | | | | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| <i>Exterior Maintenance (Painting)</i> | 40 | 15 | 2002 | 2042 | | | | | | | | | | |
| Blast Room Air Flow System | | | | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 21 | \$ - | \$ - |
| <i>Filter Replacement</i> | 10 | 15 | 2022 | 2032 | | | | | | | | \$ 21 | | |
| <i>Air Compressor Replacement</i> | 20 | 50 | 2022 | 2042 | | | | | | | | | | |
| <i>Shop Ventilation System Replacement</i> | 20 | 50 | 2022 | 2042 | | | | | | | | | | |
| <i>Media Collection System</i> | 20 | 75 | 2022 | 2042 | | | | | | | | | | |
| Building Fire Protection System | | | | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| <i>Component Replacement (Sprinklers & Detectors)</i> | 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 | \$ - | \$ - | \$ - | \$ - |
| <i>Seal Coat Surfacing & Striping (2009)</i> | 10 | 20 | 2019 | 2029 | | | | | | \$ 25 | | | | |
| Alarm & Security Systems | | | | | \$ - | \$ 20 | \$ - | \$ 45 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| <i>Fire Alarm System Replacement (2008)</i> | 20 | 20 | 2008 | 2028 | | | | \$ 20 | | | | | | |
| <i>Front Entry Gate - Keypad Replacement</i> | | | | | | \$ 20 | | | | | | | | |
| <i>Security System Replacement (2008)</i> | 20 | 25 | 2008 | 2028 | | | | \$ 25 | | | | | | |
| Domestic Water Well | | | | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Wash Water Recycling System | | | | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Aboveground Fuel Storage System | | | | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 45 | \$ - | \$ - | \$ - |
| <i>Tank Replacement (1993)</i> | 40 | 20 | 1993 | 2033 | | | | | | | \$ 20 | | | |
| <i>Fuel Dispensing System Replacement</i> | 15 | 20 | 2015 | 2030 | | | | | | | \$ 20 | | | |
| <i>Fuel Management Software Replacement (1993)</i> | 15 | 5 | 2015 | 2030 | | | | | | | \$ 5 | | | |
| Office Building (17 Years Old) | | | | | \$ - | \$ 37 | \$ - | \$ 42 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Los Banos Administration Office Facility | | | | | \$ - | \$ - | \$ 10 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Office Building | | | | | \$ - | \$ - | \$ 10 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Offices | | | | | \$ - | \$ - | \$ 10 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| <i>Interior Maintenance (Painting)</i> | 20 | 15 | 2000 | 2020 | | | | | | | | | | |
| <i>Office Partition Replacement</i> | 20 | 10 | 2008 | 2028 | | | \$ 10 | | | | | | | |
| <i>Flooring Replacement (Carpet/Tile)</i> | 20 | 25 | 2000 | 2020 | | | | | | | | | | |
| Alarm & Security Systems | | | | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Building Plumbing System | | | | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| <i>Kitchen/Lunchroom Remodel</i> | 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
PROJECT SUMMARY-SLDMWA Cost Estimate**

**FY2025
C2011001
ALL Facility Infrastructure Replacement/Rehabilitation Program
26-D3**

| | |
|--|-----------------------------|
| Total Fully Burdened Labor Cost | \$ 22,400.00 |
| Total Materials | \$ - |
| Total Contracts | \$ 247,200.00 |
| Project Grand Total | <u>\$ 269,600.00</u> |

Date Proposal Completed: 8/16/23_jm

NOTE: All costs are rounded up to the nearest \$100.

**San Luis & Delta-Mendota Water Authority
Labor Cost Estimate**

| FY2025 C2011001 ALL Facility Infrastructure Replacement/Rehabilitation Program 26-D3 | FY25 Fully Burdened Hourly Rate (current highest total rate per craft w/benefits) | FY25 Fully Burdened OT Rate (includes PR tax & W/Comp) | Total Regular Hours | Total Overtime Hours | Regular Direct Labor | Overtime Labor | Total Labor Cost |
|---|---|--|---------------------|----------------------|----------------------|----------------|--------------------|
| | A | B | F | G | H | I | J |
| | <u>Position Title</u> | | C x D x E | | =A x F | =B x G | = sum H + I |
| IT Officer | \$ 143.76 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| SCADA Engineer | \$ 161.11 | \$ 175.10 | 0 | 0 | \$ - | \$ - | \$ - |
| SCADA Technician | \$ 153.20 | \$ 165.58 | 0 | 0 | \$ - | \$ - | \$ - |
| Director, Facilities O&M | \$ 240.55 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Operations & Maintenance | \$ 178.00 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Planner, Hydro-Electric Maintenance | \$ 131.91 | \$ 140.00 | 96 | 0 | \$ 12,663.36 | \$ - | \$ 12,663.36 |
| Electrical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| C&I Technician (JPP) | \$ 147.45 | \$ 158.68 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrician, Hydro-Electric (JPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Mechanical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| Plant Mechanic, 2, Hydro-Electric Maintenance | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Painter (JPP) | \$ 101.92 | \$ 101.51 | 0 | 0 | \$ - | \$ - | \$ - |
| Foreman, O'Neill Pumping Plant | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| C&I Technician (OPP) | \$ 147.45 | \$ 158.68 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrician, Hydro-Electric (OPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Plant Mechanic, 2, Hydro-Electric Maintenance (OPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Superintendent, Civil | \$ 131.58 | \$ 139.59 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Foreman, Civil | \$ 110.27 | \$ 113.97 | 0 | 0 | \$ - | \$ - | \$ - |
| Planner, Civil Maintenance | \$ 101.75 | \$ 103.73 | 0 | 0 | \$ - | \$ - | \$ - |
| Heavy Equipment Operator | \$ 100.16 | \$ 101.81 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Worker, Civil | \$ 92.99 | \$ 93.20 | 0 | 0 | \$ - | \$ - | \$ - |
| Mechanic, Equipment | \$ 94.07 | \$ 94.49 | 0 | 0 | \$ - | \$ - | \$ - |
| Contract Specialist | \$ 145.41 | \$ 161.38 | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Engineering | \$ 192.63 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Plant - Senior | \$ 177.70 | \$ 195.05 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil - Senior | \$ 177.70 | \$ 195.05 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Mechanical - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Electrical - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil/Electrical/Mechanical - Assistant | \$ 130.24 | \$ 137.98 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil/Electrical/Mechanical - Junior | \$ 105.22 | \$ 107.89 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineering Technician, Senior | \$ 123.86 | \$ 130.31 | 78 | 0 | \$ 9,661.08 | \$ - | \$ 9,661.08 |
| Electrical Project Specialist | \$ 158.24 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |

174
TRUE

| | |
|---------------------------------|----------------------|
| Sum of Overtime Cost | \$ - |
| Sum of Regular Time Cost | \$ 22,324.44 |
| Total Fully Burdened Labor Cost | \$ 22,324.44 |
| Materials Cost | \$ - |
| Contracts Cost | \$ 247,200.00 |
| Total | \$ 269,524.44 |

**San Luis & Delta-Mendota Water Authority
Contracts Cost Estimate**

**FY2025
C2011001
ALL Facility Infrastructure Replacement/Rehabilitation Program
26-D3**

Contract Breakdown

| <i>Description</i> | <i>Qty</i> | <i>Unit</i> | <i>Unit Cost</i> | <i>Contingency</i> | <i>Total Cost</i> |
|--|------------|-------------|------------------|--------------------|-------------------|
| TFO Warehouse Bldg Roof Repair/Replacement | 1 | ea | \$ 72,100.00 | 20% | \$ 86,520.00 |
| TFO Civil Maintenance Bldg Roof Repairs | 1 | ea | \$ 25,750.00 | 20% | \$ 30,900.00 |
| TFO Slurry Seal & Striping Contract | 1 | ea | \$ 108,150.00 | 20% | \$ 129,780.00 |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |

Contracts Total: \$ 247,200.00

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 year) | 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 | \$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 | \$1,050 | \$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 | Note 16 | \$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 | Note 15 | \$950 | | | \$14,250 | | | | | | \$19,000 | | | | | \$30,000 | \$63,250 | | | |
| Cyber Security | | | | | | | | | | | | | | | | | | | | | | | |
| | 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 | \$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 | \$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 | \$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 | \$45,000 | \$495,000 | | | |
| | | | | | | | | \$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/updates then Purchase 2-year support/update contract and repeat | | | | | | | | | | | | | | | |
| | | | | | | | | 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 Order | | | | | | | | | | | | | | | |
| | | | | | | | | Note 15: Purchased for STORM 2019/FY20 Estimated 5yr life in outdoor environment Price includes safety cover/ future use will also include Shepherd Service order system | | | | | | | | | | | | | | | |
| | | | | | | | | Note 16: 3yr licenses. 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 evolves and matures. And new legal and Insurance requirements are imposed | | | | | | | | | | | | | | | |
| | | | | | | | | Note 18: Initial purchase from FY24 RO&M and future multiyear discounted to be purchased via EO&M 10yr | | | | | | | | | | | | | | | |
| | | | | | | | | 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
PROJECT SUMMARY-SLDMWA Cost Estimate

FY2025

E2000004

ALL Replace Computer/Network Communication Equip (Reserve Fund)
26-D0

| | |
|--|-----------------------------|
| Total Fully Burdened Labor Cost | \$ 205,500.00 |
| Total Materials | \$ 163,200.00 |
| Total Contracts | \$ 111,600.00 |
| Project Grand Total | \$ <u>480,300.00</u> |

Date Proposal Completed: 07/18/2023_sd

NOTE: All costs are rounded up to the nearest \$100.

**San Luis & Delta-Mendota Water Authority
Labor Cost Estimate**

| FY2025 E2000004 ALL Replace Computer/Network Communication Equip (Reserve Fund) 26-D0 | FY25 Fully Burdened Hourly Rate (current highest total rate per craft w/benefits) | FY25 Fully Burdened OT Rate (includes PR tax & W/Comp) | Total Regular Hours | Total Overtime Hours | Regular Direct Labor | Overtime Labor | Total Labor Cost |
|--|---|--|---------------------|----------------------|----------------------|----------------|--------------------|
| | A | B | F | G | H | I | J |
| <u>Position Title</u> | | | C x D x E | | =A x F | =B x G | = sum H + I |
| IT Officer | \$ 143.76 | \$ - | 1145 | 0 | \$ 164,605.20 | \$ - | \$ 164,605.20 |
| SCADA Engineer | \$ 161.11 | \$ 175.10 | 130 | 0 | \$ 20,944.30 | \$ - | \$ 20,944.30 |
| SCADA Technician | \$ 153.20 | \$ 165.58 | 130 | 0 | \$ 19,916.00 | \$ - | \$ 19,916.00 |
| Director, Facilities O&M | \$ 240.55 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Operations & Maintenance | \$ 178.00 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Planner, Hydro-Electric Maintenance | \$ 131.91 | \$ 140.00 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| C&I Technician (JPP) | \$ 147.45 | \$ 158.68 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrician, Hydro-Electric (JPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Mechanical Maintenance, Foreman | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| Plant Mechanic, 2, Hydro-Electric Maintenance | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Painter (JPP) | \$ 101.92 | \$ 101.51 | 0 | 0 | \$ - | \$ - | \$ - |
| Foreman, O'Neill Pumping Plant | \$ 162.68 | \$ 176.99 | 0 | 0 | \$ - | \$ - | \$ - |
| C&I Technician (OPP) | \$ 147.45 | \$ 158.68 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrician, Hydro-Electric (OPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Plant Mechanic, 2, Hydro-Electric Maintenance (OPP) | \$ 144.07 | \$ 154.61 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Superintendent, Civil | \$ 131.58 | \$ 139.59 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Foreman, Civil | \$ 110.27 | \$ 113.97 | 0 | 0 | \$ - | \$ - | \$ - |
| Planner, Civil Maintenance | \$ 101.75 | \$ 103.73 | 0 | 0 | \$ - | \$ - | \$ - |
| Heavy Equipment Operator | \$ 100.16 | \$ 101.81 | 0 | 0 | \$ - | \$ - | \$ - |
| Maintenance Worker, Civil | \$ 92.99 | \$ 93.20 | 0 | 0 | \$ - | \$ - | \$ - |
| Mechanic, Equipment | \$ 94.07 | \$ 94.49 | 0 | 0 | \$ - | \$ - | \$ - |
| Contract Specialist | \$ 145.41 | \$ 161.38 | 0 | 0 | \$ - | \$ - | \$ - |
| Manager, Engineering | \$ 192.63 | \$ - | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Plant - Senior | \$ 177.70 | \$ 195.05 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil - Senior | \$ 177.70 | \$ 195.05 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Mechanical - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Electrical - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil - Associate | \$ 162.95 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil/Electrical/Mechanical - Assistant | \$ 130.24 | \$ 137.98 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineer, Civil/Electrical/Mechanical - Junior | \$ 105.22 | \$ 107.89 | 0 | 0 | \$ - | \$ - | \$ - |
| Engineering Technician, Senior | \$ 123.86 | \$ 130.31 | 0 | 0 | \$ - | \$ - | \$ - |
| Electrical Project Specialist | \$ 158.24 | \$ 177.32 | 0 | 0 | \$ - | \$ - | \$ - |

1405
TRUE

| | |
|--|----------------------|
| <i>Sum of Overtime Cost</i> | \$ - |
| <i>Sum of Regular Time Cost</i> | \$ 205,465.50 |
| <i>Total Fully Burdened Labor Cost</i> | \$ 205,465.50 |
| <i>Materials Cost</i> | \$ 163,182.00 |
| <i>Contracts Cost</i> | \$ 111,600.00 |
| Total | \$ 480,247.50 |

**San Luis & Delta-Mendota Water Authority
Materials Cost Estimate**

**FY2025
E2000004
ALL Replace Computer/Network Communication Equip (Reserve Fund)
26-D0**

Material Breakdown

| <i>Description</i> | <i>Qty</i> | <i>Unit</i> | <i>Unit Cost</i> | <i>Contingency</i> | <i>Total Cost</i> |
|-------------------------------|------------|-------------|------------------|--------------------|-------------------|
| Workstations-Laptops-Monitors | 1 | LS | \$ 42,435 | 20% | \$ 50,922.00 |
| Servers | 1 | LS | \$ 33,500 | 20% | \$ 40,200.00 |
| Tablets | 1 | LS | \$ 14,250 | 20% | \$ 17,100.00 |
| Cyber Security | 1 | LS | \$ 350 | 20% | \$ 420.00 |
| Office Equipment | 1 | LS | \$ 450 | 20% | \$ 540.00 |
| Other Equipment | 1 | LS | \$ 45,000 | 20% | \$ 54,000.00 |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |

Materials Total: \$ 163,182.00

**San Luis & Delta-Mendota Water Authority
Contracts Cost Estimate**

**FY2025
E2000004
ALL Replace Computer/Network Communication Equip (Reserve Fund)
26-D0**

Contract Breakdown

| <i>Description</i> | <i>Qty</i> | <i>Unit</i> | <i>Unit Cost</i> | <i>Contingency</i> | <i>Total Cost</i> |
|--------------------|------------|-------------|------------------|--------------------|-------------------|
| Cyber Security | 1 | LS | \$ 58,000 | 20% | \$ 69,600.00 |
| Other Equipment | 1 | LS | \$ 35,000 | 20% | \$ 42,000.00 |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |
| | | | \$ - | 20% | \$ - |

Contracts Total: \$ 111,600.00