



July 11, 2024

To: Pablo Arroyave, Chief Operating Officer

From: Bob Martin, Facilities O&M Director

Subject: O&M Report for June 2024

OPERATIONS DEPARTMENT

The C.W. "Bill" Jones Pumping Plant (JPP) operated with 3 to 5 units for the month of June. The average rate of pumping for the JPP was 3,845 cfs for the month.

Total pumping at the JPP for the month of June was 228,767 acre-feet. The O'Neill Pump/Generating Plant (OPP) generated 3,645 acre-feet, and pumped 47,813 acre-feet. In addition, 17,117 acre-feet was pumped at the Delta-Mendota Canal/California Aqueduct Intertie Plant (DCI) and 0 acre-feet was reversed from the DCI into the DMC for the month of June.

The Federal share in the San Luis Reservoir at the end of June was 654,988 acre-feet as compared to 961,072 acre-feet for the end of June 2023.

During the month of June, releases from Friant Dam ranged from 350 to 1,106 cfs with 7,682 acre-feet entering the Mendota Pool. Flows for the San Joaquin River Restoration Program (SJRRP) were 6,268 acre-feet for the same period.

Canal Operations Department

The Canal Operations crews worked on the following activities this month:

- Pitot Tube & open channel flow measurements at MP's

4.98	76.05 L	115.90 L
17.77 R	18.05 L	19.56 R
20.59 L	25.18 L	26.21 R A
26.21 R B	26.95 L	28.19 L
31.60 L	34.63 R	41.53 R
43.73 L	46.02 L	46.19 R
47.89 R A	48.60 L A	48.60 L B
48.96 R	49.84 L	50.66 L
52.40 L	53.41 L	55.19 L
55.85 L	58.90 L	60.54 R
62.08 R	62.67 L	63.96 L
69.99 R	79.12 R NP	88.65 R
100.80 R	109.45 R 1&2	Terra Linda # 1

**San Luis & Delta-Mendota Water Authority
DMC WITH CIP / E O & M With Indirect Allocated
Budget to Actual Paid/Pending Comparison Summary
March 1, 2024 through May 31, 2024**

FAC 7/8/24 & BOD 7/11/24

	Actual Paid/Pending Expense	% Direct Labor to Total Labor	Allocated Indirect Based on Direct Labor %	Total Expense Direct & Indirect
Operate & Maintain DMC S/F 02	1,450,596	39.22%	649,859	2,100,455 *
Operate & Maintain Wasteways S/F 04	24,526	0.78%	12,928	37,454 *
Mendota Pool S/F 05	40,949	0.17%	2,878	43,827 *
Operate & Maintain Jones Pumping PI S/F 11	1,009,406	29.08%	481,869	1,491,275 *
Intertie Maintenance S/F 12	52,395	1.96%	32,323	84,718 *
Intertie DWR Conveyance S/F 12	245,897			245,897 *
Volta Wells Pumping S/F 13	425	0.01%	218	643 *
Open S/F 14	-			-
Open S/F 15	-			-
Open S/F 16	-			-
Operate & Maintain O'Neill S/F 19	628,949	19.59%	324,679	953,628 *
Maintain Tracy Fish Facility USBR 30	86,738	1.50%	24,867	111,605
Maintain Fish Release Site USBR 32	-	0.00%	-	-
Operate & Maintain Tracy USBR USBR 33	-	0.00%	-	-
Operate & Maintain San Luis Drain S/F 41	50,156	1.58%	26,262	76,418 *
Maintain Delta Cross Channel USBR 44	-	0.00%	-	-
WAPA USBR 45	-	0.00%	-	-
CIP 25	2,251,252	0.00%	-	2,251,252
EO&M & Scada Project 26	902,784	4.41%	72,980	975,764
SPECIAL PROJECTS XX		1.70%	28,164	28,164
		100.00%	1,657,027	8,401,100
Safety Equipment Training 50	8,430			
IT Expense 51	210,959			
Warehousing 52	56,848			
Scada 53	59,868			
Tracy Field Office Expense 54	219,858			
Direct Administrative/General Expense 56	414,407			
Indirect Administrative/General Expense 57	-			
Indirect O & M LBAO Admin. 58	686,657			
Total Indirect to be Allocated				
TOTAL	8,401,100	1,657,027		5,034,315 *SLDMWA O&M Costs
	includes Intertie DWR conveyance			(111,605) less USBR Facilities (28,164) less Special Projects
				(3,227,016) less CIP&EO&M

4,788,418 O&M

8,155,203 w/o Intertie DWR conveyance

169

- Serviced flow meters at DMC MP's

18.60 L	19.18 L	20.43 L	20.59 L
21.25 L	22.50 R	24.38 L	26.01 R
26.21 R	26.95 L	28.89 L	29.56 L
29.95 R	30.43 R	31.60 R	34.63 R
35.04 R	36.01 L	36.39 L	36.68 L
39.20 R	39.22 L	39.78 L	45.20 L
45.35 R	45.38 L	52.40 L	59.53 L
96.15 L A&B SLC	100.48 L A&B SLC	102.64 L A&B SLC	

- Bi-weekly meter readings on all active 200 plus turnouts
- Inspected Wasteways
 - Westley
 - Newman
 - Volta
 - Firebaugh
- Water samples collected at MP 10.62, 20.63, 29.95, 39.21, and 45.77
- Groundwater well soundings
 - USGS Monitoring Wells
 - Upper DMC Warren Act Wells
 - Lower DMC Warren Act Wells
- Routine patrols
 - DMC
 - Mendota Pool
 - San Luis Drain

Other Activities

The Control Operations crew performed the following switching/clearance orders this month:

- C-24-ON-18A OPP Unit 1 annual maintenance
- C-24-JP-23 JPP Unit 3 annunciator maintenance
- C-24-DCI-24 DCI PCB UAA inspection
- C-24-JP-25 JPP Unit 3 suction elbow
- C-24-JP-26 JPP Unit 3 breaker inspection
- C-24-JP-27 JPP Unit 1 wheel pit float alarm

Jones Pumping Plant

Electrical/C&I Maintenance Crews:

- JPP Unit 3 pump assembly annual maintenance
- JPP Unit 3 motor assembly annual maintenance
- JPP Unit 1 wheel pit alarm troubleshoot and repair
- DCI Unit 1 breaker failure investigation
- DCI Unit 2 trip investigation
- DCI Units 3 and 4 start failure troubleshoot and repair
- DCI C&I Supervisory test and inspection 1-month PM
- SWGBDG UZ6A Breaker F3(322) test and inspection 12-month PM
- TSY 13 kV switchyard C&I test and inspection 1-month PM
- OPP Sand Filtration System Rehabilitation support
- JPP emergency lighting 1-month PM

- JPP flooding alarm test and inspection 3-month PM
- JPP Siphon House breaker communications upgrades
- JPP plant systems C&I 1-month PM
- JPP 1/4 ton monorail hoist test and inspection 1-month PM
- Station service battery bank and system test and inspection 1-month PM

Mechanical Maintenance Crews:

- JPP Unit 3 Motor annual maintenance
- JPP Unit 3 cooling water annual maintenance
- JPP Unit 3 pump annual maintenance
- JPP Unit 3 butterfly valve annual maintenance
- Replaced broken windows on JPP roof bonnets
- Clean and coat bonnets and hatches at JPP
- DCI Units 3 and 4 start failure troubleshoot and repair
- Wire rope sling modifications
- JPP Unit 6 oil samples 12-month PM
- Gland water sight glass 12-month PM
- JPP crane and hoists 12-month PM
- JPP Air Wash Unit 1-month PM
- JPP Unit 3 lower guide bearing jig modification
- Fabricated body bolts for lower guide assembly
- JPP 21 ton bridge crane hoist 1-month PM
- JPP 21 ton bridge crane hoist 3-month PM
- Replaced leaking service water outlet on JPP intake deck
- Replaced check valves on sump pump and unwatering pumps
- JPP shop monthly cleanup PM
- JPP spare CO₂ bottle 6-month PM

Civil Maintenance Crews:

- None to Report

O'Neill Pumping/Generating Plant

Electrical/C&I Maintenance Crews:

- OPP Unit 1 annual maintenance
- OPP Unit 2 speed switch indicator troubleshoot and repair
- OPP North and South security gate test and inspection 1-month PM
- OPP Siphon House primary vacuum pumps 1-3 test and inspection 3-month PM
- OPP Siphon House main compressor 1 & 2 test and inspection 3-month PM
- OPP station service dry transformer test and inspection 1-month PM
- OPP station service battery test and inspection 1-month PM
- OPP station service battery internal resistance test and inspection 1-month PM
- OPP station service battery chargers test and inspection 3-month PM
- OPP UPS battery internal resistance test and inspection 1-month PM
- OPP air, heat and vent systems test and inspection 3-month PM
- OPP Machine Shop equipment test and inspection 1-month PM
- OPP trash rake crane test and inspection 1-month PM
- OPP 1 ton chain hoist crane test and inspection 3-month PM
- OPP 3 ton chain hoist crane test and inspection 3-month PM



- OPP Penstock/siphon breaker ventilation fan test and inspection 6-month PM
- OPP sump pumps test and inspection 3-month PM
- OPP 65/10 ton bridge crane test and inspection 1-month PM
- OPP annunciator panel test and inspection 1-month PM
- OPP emergency lighting test and inspection 1-month PM
- OPP 5 ton stop log gantry crane test and inspection 1-month PM
- OPP 65/10 ton bridge crane test and inspection 3-month PM

Mechanical Maintenance Crews:

- OPP Unit 1 annual maintenance
- OPP 5 ton stop log gantry crane test and inspection 1-month PM
- OPP 5 ton stop log gantry crane test and inspection 3-month PM
- OPP 5 ton stop log crane test and inspection 3-month PM
- OPP 3 ton jib crane test and inspection 1-month PM
- OPP 65/10 ton bridge crane test and inspection 1-month PM
- OPP 65/10 ton bridge crane test and inspection 3-month PM
- OPP 65/10 ton bridge crane rail clean and inspection 3-month PM
- OPP Siphon Building crane inspection 3-month PM
- OPP 1 ton chain hoist crane test and inspection 1-month PM
- OPP ½ ton chain hoist crane test and inspection 1-month PM
- OPP Siphon Building compressor 1 and 2 dry alarm troubleshoot and repair
- OPP building inspection 3-month PM
- OPP building door maintenance and inspection 3-month PM
- OPP service air and Siphon Building compressor test and inspection 1-month PM
- OPP canal side stop log maintenance and inspection 3-month PM
- OPP Machine Shop equipment test, clean, and inspection 3-month PM
- OPP facility bathroom plumbing inspection 6-month PM
- Siphon Building inspection 3-month PM
- OPP Sump pumps test and inspection 12-month PM
- OPP HVAC systems test and inspections 3-month PM
- OPP sewage system test and inspection 1-month PM
- OPP sump inspection 1-month PM
- OPP Inspection and cleaning of welders 12-month PM
- Siphon Building compressors mechanical test and inspection 3-month PM

Civil Maintenance Crews:

- None to report

DMC/CA Intertie Pumping Plant

Electrical/C&I Maintenance Crews:

- None to report

Mechanical Maintenance Crews:

- None to report

Civil Maintenance Crews:

- None to report

Delta-Mendota Canal

Electrical/C&I Maintenance Crews:

- Check 11 main power loss investigation and repair
- Check 13/VWW communication loss investigation and repair
- Check 18 communication loss investigation and repair
- Check 20 Gate 1 failure investigation and repair
- Check 21 elevation sensor failure investigation and repair
- Communication loss investigation and repair at MP 76.05(CCID)
- MP 68.83 flowmeter maintenance and repair
- MP 115 flowmeter troubleshoot and repair
- FWW drive system test and inspection 6-month PM
- VWW drive system test and inspection 6-month PM
- VWW Freeman Reservoir level indicator failure investigation and repair
- LBFO HVAC test and inspection 3-month PM
- LBFO domestic well test and inspection 3-month PM
- LBFO main gate controller test and inspection 1-month PM
- LBFO security gate motor investigation and replacement

Mechanical Maintenance Crews:

- None to report

Civil Maintenance Crews:

- Chemical weed control MP 6.60 to 7.67, 45.53 to 57.95, 96.81 to 115.00
- Mechanical weed control MP 12.31 to 15.16, 57.95 to 61.06 81.79 to 90.54
- Trash collection from at MP's 38.39, 48.37, 51.63, 97.68 to 107.42
- DMC sign maintenance/repair at MP 29.93, 45.77, and 60.06
- Repair sprinklers at TFO
- Rodent control at DCI
- SLD weed and debris removal
- Fabricate locking mechanisms for newly installed gates at Nees and Jerrold Ave.
- Grading roadways from MP 23.98- 38.14, WWW MP 0.01 to 3.79
- Hyacinth removal from upstream of Check 21
- Repair shoulder drains at MP 26.21, 28.27
- Repair leaking pipes at MP's 28.19-L and 28.89-L
- Fabricate & install new gates & wing fences at Jerrold, Nees, and Washoe Aves.
- Float line repair at MP 39.22
- Turnout debris removal at MP's 26.89,29.95,31.60,32.61,32.62,32.94, and 34.63
- Fabricated handrails at MP 49.56-R
- Test Can modification at MP's 28.19-L and 45.35-R
- Fabricate trash rack for turnout at MP 49.56-R
- TFO shop and yard cleanup
- Rodent abatement from MP 57.95 to 74.40
- Vehicle disposal through Ritchie Bros
- Fire extinguisher, eye wash station, and first aid kit inspection 1-month PM
- LBFO septic system 3-month PM
- Prep work for spare transformer concrete pad at OPP
- Numerous vehicle oil changes and minor repairs

Tracy Field Office

Electrical/C&I Maintenance Crews:

- Control Room Annunciator C&I test and inspection 1-month PM
- JPP Domestic Water Treatment Plant Replacement Project (WTPP)
- TFO Electric Shop 3 ton monorail hoist 3-month PM
- TFO Control Building emergency lighting test and inspection 1-month PM
- Tracy CMT/VMT 2 ton monorail hoist test and inspection 1-month PM
- Tracy CMT/VMT HVAC system troubleshoot and repair
- USBR exit gate test and inspection 3-month PM
- SLDMWA entry gate test and inspection 3-month PM
- TFO UPS battery bank and system test and inspection 1-month PM
- Replace lighting fixtures in the CMT/VMT building
- Tracy Warehouse HVAC test and inspection 6-month PM
- TFO Water Treatment Plant controls test and inspection 1-month PM
- TFO Control Building emergency lighting system test and inspection PM
- TFO Control Building 1 ton hoist test and inspection 3-month PM
- TFO Admin Building HVAC test and inspection 6-month PM
- Replaced lighting fixtures in the CMT/VMT building

Mechanical Maintenance Crews:

- JPP Domestic Water Treatment Plant Replacement Project (WTPP)
- Repaired and replaced a leaking hose on the Control Buildings water heater
- Car wash water recycling unit 1-month PM
- Fabricate trash rack for MP 49.56-R

Civil Maintenance Crews:

- Forklift training and recertification

Other Activities

- None to report

USBR Support Services

The Water Authority crews supported the following work at USBR facilities during the outage this month:

- Delta Cross Channel rodent abatement
- Tension Arm repair support
- TFCF debris removal support

ENGINEERING DEPARTMENT

The Engineering staff worked on the following O&M projects this month:

- Data management of well readings and creation of Warren Act hydrographs
- DMC milepost 20.15L leak investigation, monitoring, and containment berm support
- DCI Unit 2 Plant trip troubleshooting
- JPP Spare slip ring replacement
- OPP Plant metering & relay as-built drawing updates
- JPP Unit 4 lower guide bearing machining

- OPP KW1A oil test result analysis
- OPP Unit-1 Shaft Sleeve Recoating
- OPP Unit 1 Annual Maintenance support

Land Management Activity Summary

The Engineering staff issued six (6) access permits this month:

- Access Permit P2502010 was issued to Mr. Leroy Simonich allowing him to use his goats to control vegetation along the Delt-Mendota Canal Intake Channel from Milepost 1.41 to Milepost 2.53.
- Emergency Access Permit P2502012 was issued to Del Puerto Water District allowing the relocation of an unauthorized backwash pipeline near Milepost 18.59-L on the Delta-Mendota Canal.
- Access Permit P2502012 was issued to Stanislaus County allowing the installation and maintenance of a data collecting stream gage at Milepost 45.75-R on the Delta-Mendota Canal.
- Emergency Access Permit P2502013 was issued to Widren Water District in order to repair the leaky underground pipeline near Milepost 102.04-L.
- Emergency Access Permit P2504014 was issued to Firebaugh Canal Water District in order to repair a sink hole that was blocking vehicle traffic along the Firebaugh Wasteway.
- Access Permit P2502015 was issued to Del Puerto Water District allowing PG&E to install the electrical service at the turnout located at Milepost 56.85-L on the Delta-Mendota Canal.

The Engineering staff was involved with the following land management projects this month:

- Orestimba Creek Recharge Project
- Costco HOM property development
- Rogers Road Bridge design
- Grasslands Water District Pipeline Project
- Costco Cold Distribution Center Development
- Fresno County Nees Ave. Bridge Replacement

SAFETY DEPARTMENT

The Safety Department worked on the following items this month:

- Provided Job Hazard Analysis support to the crews
- Conducted Accident Investigations
- Sent out Safety Topics for the month of June 2024 to all SLDMWA staff:
 - 6-1-2024 Construction Safety
 - 6-2-2024 Compressed Gas Cylinders
 - 6-3-2024 Welding Operations
 - 6-4-2024 Compressed Air Safety
- Provided Safety Message for June 2024 Newsletter
 - Health and Wellness
- Scheduled annual hearing tests for selected employees
- Attended Alameda County Emergency Preparedness EAP seminar
- Completed PIV certification
- Conducted New Hire Safety Orientation for Accounting Manager at LBAO

- Coordinated dielectric glove testing
- Coordinated with HR on Workplace Violence Prevention Program

PROCUREMENT AND WORK & ASSET MANAGEMENT DEPARTMENT

The Work & Asset Management Department worked on the following items this month:

- WAM Manager & Contract Specialist attended a meeting with accounting regarding new progress payment retention process in NetSuite
- WAM Manager created and finalized custodian department checklists
- WAM Manager and Contract Specialist worked with legal to finalize ongoing negotiations and redlines with Pentair (Pump Bowl Manufacturing Vendor)
- WAM Manager conducted NetSuite testing to determine correct process for asset retirement/disposals, return authorization vs credit and multiple expense items on inventory checkout screen
- WAM Manager finalized internal Delegation of Authority procurement guide for approval
- WAM Manager and Contract Specialist reviewed and accepted/rejected Contractor redline requests for DMC Utility Locating Project
- WAM Manager and Contract Specialist attended DIR training for new website
- WAM Manager and Contract Specialist attended meeting with Counsel regarding special provisions, MOU interpretations and terms and conditions issues
- WAM Manager and Contract Specialist worked with legal on NDA form on behalf of IT

Contracts/PO Agreements/LOA's Status Update:

Specification	Title	Status
F25-TFO-004	TFO Parking Lot Seal Coat & Striping	Contract executed 6/24/24
F24-OPP-009	Station Battery Replacement	Pending DIR/CSLB update, materials ordered
F24-OPP-013	UPS Battery Replacement	Pending DIR/CSLB update, materials ordered
F25-JPP-007	Excitation System	Letter of Interest posted, due 8/7/24
F24-OPP-031	Pump Bowl Manufacturing	Final legal review, going to July Board for approval
F25-JPP-011	Rehabilitate Coating on Pump Casings & Bifurcation	Pre-solicitation stage
F25-DMC-008	DMC MP 41.49 Liner Repair	Change order going to July Board for approval
F25-TFO-010	Tracy Admin Office Roof Resealing	Bids due 7/2/24
F25-OPP-011	OPP Cooling Water Pumps	PO agreement executed 6/6/24
F25-DMC-005	DMC Subsidence Utility Locating and Mapping Services	Solicitation stage, proposals due 7/11/24

Ongoing:

- Purchasing in support of the O&M crews, and maintaining/replenishing warehouse stock
- Warehouse receiving, stocking, and distribution
- Invoicing/vendor bills/vendor credits processing/invoice disputes
- Routine janitorial activities at the TFO facilities
- Participated in NetSuite bi-weekly meetings, Shepherd weekly meetings and bi-weekly property tracking meetings
- Contract management/administration activities, including bi-weekly contract update meetings with Engineering staff
- Developing/implementing/updating purchase/procurement and asset/inventory procedures/boilerplate templates
- Bi-weekly WAM staff meetings to discuss updates/issues
- Contract invoice payment reviews, invoice disputes as needed, invoice payments

INFORMATION TECHNOLOGY DEPARTMENT

The Information Technology Department worked on the following items this month:

Administrative Activities:

- Monthly FAC, WRC and BOD meetings
- Creating policies for BYOD with Legal
- Management of FY25 RO&M budget
- FY26 EO&M budget preliminary work
- FY26 Company Wi-Fi Project research
- Litigation email/document collection

General Network & Desktop Support:

- Desktop support calls
- Firewall firmware updates
- Exchange server maintenance:
 - updated Windows server
 - exchange server CU23 upgrade
- Active Directory cleanup
 - removed tombstone servers
 - DNS rework
- DNS Network rework
 - DNS replication by physical location
 - TAO & TFO
 - LBAO/LBFO/OPP
 - SAC
- Assist DWR in re-deployment of PC set-up to a secured locked cage
- Creating additional VLAN's for network segmentation
- Troubleshoot DHCP
- Completed data migration from old FP server to new File1
- Restored equipment status in LBAO after extended power outage
- Configured and deployed equipment to new Accounting Manager's office
- Replaced UPS in LBFO and split load onto two separate UPS's
- Replaced defective PC at Buyers desk

- AT&T open ticket for poor phone quality
- DCI reset IP phone and sync with AVAYA system
- Acquired Tablets to be deployed to Electric Shop
- System wide critical server patches deployed
- NetSuite ticket after bundle update broke suite approvals
- Create GPO's for better domain administration and Cybersecurity
- Edit and consolidate login batch files

Ongoing:

- NetSuite
 - User and Administration
 - Bi-Weekly Implementation Team meetings
 - Monitor Citrin Cooper support activities for NetSuite
 - Continued research on budgeting software solution
 - Grant management
- Shepherd
 - Weekly progress meetings
 - Continue testing tablets in field
 - Additional modifications to User roles
- Server refresh
 - Servers, prepping for redeployment
- Cybersecurity
 - Monitor Symantec Anti-Virus Management Console
 - Update Symantec
 - Security updates on servers
 - Monitor Firewall logs and alerts
 - Update additional AV security settings
 - (MFA) Multi Factor Authentication vendor SurePassID
 - Installed "live" MFA server after purchase of licenses
 - Cyber Security training and webinars
 - Cyber Readiness Institution Certification Course
 - Monitor Knowbe4 Phishing Campaign
 - Cyber Security Team
 - Cyber Security Incidence Response Plan
 - Disaster Recovery Plan
 - Business Continuity Plan
 - Monitor IBM (MAAS360) Mobile Device Management
 - Virtual server to host new Symantec Message Gateway server
 - Modify and refine settings
 - Review InfraGard dispatches – FBI Cyber Security group
 - Monitoring Darktrace Cyber Security appliance in IT network
 - Additional advanced configurations IT/OT
 - Add Cloud immutable backups
 - Add "Cold" air gapped local backups
- Continue to troubleshoot email auto-discover issues
- Deployment of Office 2021

- Logistical and technical support provided to Trofholz, site security installation vendor hired by USBR
 - Gate control planning
 - Tracy gate materials ordered
 - Trofholz (vendor) will tie controls into newly installed security system
- DWR regarding use of fiber from a 1992 contract agreement
 - NDA to Verizon to research fiber from DWR Check 12 to OPP
- Document management evaluating quotes
- Review quotes for surface and laptop refresh cycle
 - New quotes as original equipment no longer available
- Data migration
- FY24/FY25 Laptop refresh
 - OS image creation and deployment
- New Asset control and tracking

SCADA Department

The SCADA staff worked on the following items this month:

Administrative Activities:

- PIV Card security process; forms and fingerprints
- InfraGard application process

General SCADA Network Support:

- Update screen views at the request of Control Operations
- Writing scope for Aveva to ignition conversion
- Moved Windows OS ignition project to the running Linux OS ignition project
- Developed a Linux OS ignition SCADA system to test getting away from Windows licensing prices
- Continue research of a new solution for virtualization of servers Proxmox, Virtual Box, and Hyper -V
- Continued testing VMWare virtual player
- SCADA screen modifications per Operation Supervisor
- Evaluate damage at DCI explosion and inventory required materials to bring back SCADA online
 - Provide list of materials and labor for potential insurance claim

Ongoing SCADA :

- 26-K5 Design of new O.T. network
 - Review and research for overall SCADA upgrade and replacement
 - Discovered past communication system used to connect O'Neill to Byron as a past source of communication
 - researching path and availability
- AT&T FirstNet to start APN testing with DIGI devices
 - Received new SIMS w/ fixed IP addresses
 - 3rd party vendor provided high gain antenna for no charge testing

- Discussions with DWR to use Fiber per 1992 contract from JPP to DWR Chk 12
 - Discussions with Verizon Fiber Division to visit possibility of renting/leasing fiber from DWR Check12 to O'Neill
- Working on a new Wi-Fi system design for all of our buildings
 - To support both IT and OT networks
 - Building designs sent out to vendor to recommend design
- Server Room
 - Clean up of server rack to prepare for future redundant PLC's
- OPP
 - SCADA/User station upgrade
 - New rack mount PC build
 - Holding pattern until Operations and Water Ops can free OPP and DMC for swap
 - Installed new Windows 10, Aveva Software, TopServer, and licensing
- DMC
 - PLC replacement plan for check structures
 - Reviewing needs for PLC and controls at Check structures
 - Developed parts list for Check 21
 - Quote request has been sent out
 - Looking for new option for Volta Radio
 - Received a level sensor to test at Volta
- JPP
 - Water treatment plant SCADA integration
 - Work on establishing communication with Depolox system
 - 26-M7; Syphon House Communications
 - Developed list of parts for siphon house communication upgrades
 - Quote parts for siphon house communication upgrades
 - Test 900mhz Ethernet radio communications for potential use
 - Electrical panel and PLC parts ordered
 - 26-M8; trash rake
 - Developed list of parts for quote
 - Received quote and PLC parts ordered
- DCI
 - Air Handler system evaluation
 - Research and create list of PLC parts to replace existing system
 - Future PLC's for entire DCI upgrade compatible

HUMAN RESOURCE DEPARTMENT

The Human Resources Department worked on the following items this month:

General Administrative Activities:

- Active Recruitments
 - none
- New Hire Orientations
 - Accounting Manager (formerly Accountant III)

Trainings:

- Cyber Security training tracking (all staff)
- Sexual Harassment Prevention training tracking (all staff)
- Defensive Driving training tracking (all staff)
- Ethics training tracking (executive staff)

Government Reporting:

- EEOC tracking/reporting
- Affirmative Action report tracking

Ongoing:

- Performance appraisal tracking
- FMLA notices/follow-ups
- COBRA notices/follow-ups
- Worker's Comp follow-ups
- Monthly safety points distribution
- Health benefits eligibility/employee assistance
- Job description updates
- Policy updates
- Maintain OSHA logs for calendar year
- PIV Cards (USBR)
- Wellness Program



EXTRAORDINARY O&M & CAPITAL PROJECTS

EXTRAORDINARY O&M & CAPITAL PROJECTS

DELTA-MENDOTA CANAL (DMC)

Bridge Abutment Repair at MP 92.73 (FY21)

Status: No changes this month. PG&E has completed the relocation of the 6-inch gas transmission line that crosses under the MP 92.73 bridge serving the City of Dos Palos. In the process of removing the pipeline from the bridge, PG&E's contractor damaged the concrete stem wall. Staff performed a visual inspection with PG&E inspectors and contractor and determined that the damage is within SLDMWA's capabilities for repair. PG&E has agreed to reimburse SLDMWA the full cost of the repair (\$40k estimate), which is currently scheduled to be completed with the erosion repair. Scheduling for the erosion and liner repairs under the bridge abutment was planned during the Mendota Pool Dewatering, however an emergency repair of the concrete liner at Check 18 took priority. Further planning and discussions are required. In the meantime, the bridge remains closed until repairs are complete.

DMC Subsidence Correction Project

Status: SLDMWA continues to work closely with Reclamation on the DMC Subsidence Correction Project (Project) and is managing the \$2.4M CDM Smith Feasibility Study contract, the \$2.7M Terracon Geotechnical contract, and the \$5.7M Upper DMC Design contract with USBR Technical Services Center (TSC).

Feasibility Study: The Feasibility Study is in the final stages. Reclamation is working towards securing consultation approvals to obtain a FONSI and ROD, both necessary to finalize Reclamation Policy sign off. Policy has reviewed the study and finds that it appropriately addresses the need for Upper DMC restoration; however, further review of the Lower DMC repair is required. Reclamation is addressing additional comments as it relates to the Lower DMC and will continue to coordinate with Policy as they work through the review. CDM will provide the draft Incidental Take Permit (ITP) to begin consultation with State agencies in the next reporting period. Agency reviews may take upwards of 18 months for final approval.

Geotechnical Exploration: Terracon has submitted the Draft Geotechnical Data Report (GDR) to the project team for review. The SLDMWA/Reclamation team submitted comments on the GDR and met with Terracon to discuss them. Terracon is currently working towards addressing the comments and is planning to submit the Final GDR on May 31st. Terracon will then transition to preparing the Draft Geological Characterization Report.

Bridge Planning: In anticipation of multiple bridge raises, staff will begin preparing a solicitation for a multi-disciplined consultant to assist with managing the bridge design deliverables necessary to gain Federal Highway Administration funding for the subsidence project. The reports are typically prepared years in advance of project approvals. This task is ongoing.

Design Data Support: Numerous design data collection efforts have been completed and continue to be coordinated. USBR completed Geophysical surveys on select reaches of DMC to understand the root cause of embankment

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EXTRAORDINARY O&M & CAPITAL PROJECTS

movement with their findings to be incorporated into the design. This effort was completed in May. The remaining USBR data support tasks consist of survey data collection as needed by the Design team. At the request of Reclamation, SLDMWA will support the design by soliciting for a subsurface utility engineering consultant. This consultant will manage the coordination of various location services along the DMC in both member agency areas and public ROW. Their deliverable will be updated utility mapping at various quality levels to be incorporated into the design documents.

Design:

- Reclamation continues to progress toward 30% design.
- SLDMWA staff and management has expressed a willingness to take on specific construction tasks to fully utilize DWR grant funding. SLDMWA has met with Reclamation to determine which items may be fast tracked through Reclamation design to be constructed through a SLDMWA issued solicitation. It was determined that it would be best to wait until 30% design after all disciplines have submitted preliminary designs. In the mean time, SLDMWA will work with CDM to determine the permitting compliance necessary to complete these smaller construction projects.
- The subsidence project team has reached out to the SGMA group to coordinate subsidence models and ensure the projects are aligned with each other. Both projects are using the same modeling framework however, with different objectives. The subsidence project model runs a number of scenarios and performs a statistical analysis to develop a recommended subsidence value, whereas the SGMA model is used to model actions to maintain subsidence to <2 ft. Both models are in agreement. Next steps are to finalize the subsidence metrics for use in the design. Two coordination meetings between SLDMWA, USBR & SGMA teams were held this month regarding developing mutually agreed upon subsidence rates that can be used for the Project design.

DWR Grant: Staff continues to work closely with DWR on grant management activities. This quarter staff provided the latest progress report and invoice for repayment.

DMC Turnout Flowmeter Upgrade Program – Phase 3 (FY23)

Status: The contract was executed in November 2023 for the purchase of 50 flowmeters from McCrometer. Approximately 35 meters have been received. Final delivery of meters is expected to occur by September, with installation completed soon after.

DMC Concrete Lining Repair and Farm Bridge Abutment Stabilization, MP41.49 (ERF)

Status: Use of the Emergency Reserve Fund was approved by Reclamation in November. With the low DMC flows in April, DRS Marine was able to mobilize to the site and remove the sediment through a dredging operation and were able to take measurements to quantify the extent of the damage. Staff created an updated drawing of the repairs, and DRS remobilized to the site on May 6 and

EXTRAORDINARY O&M & CAPITAL PROJECTS

completed repairs to the liner on May 10. Civil Maintenance completed the final site work restoration the following week.

DMC Solar Over Canals 5 Year Pilot Project – USBR Grant Funded

Status: The Financial Assistance Agreement application package was prepared and submitted to Reclamation this month.

C.W. “BILL” JONES PUMPING PLANT (JPP)

JPP Excitation System & Control Cabinet Modernization (FY18)

Status: SLDMWA is currently in contract with Reclamation through a Letter of Agreement (LOA). The 100% design package (SpecB) is now scheduled for completion in September 2024. Staff have requested certain portions of the design package be expedited to the SLDMWA in an effort to absorb the latest schedule slip. SLDMWA will begin putting the solicitation package together in July, working concurrently with TSC. In an effort to ensure appropriate interest in the project, a Letter of Interest was published in several newspapers.

JPP Wear Ring Purchase (FY22)

Status: No activity

JPP Unit No. 3 Rewind

Status: Unit 3 Rewind Project is complete and final repayment was received this month. Staff is awaiting the substantial letter of completion.

TSY Switchgear Building UZ11A Repairs (Unplanned Project)

Status: Project is complete. Powell mobilized back to the site on May 6th, and completed the required work to ensure the building is arc flash compliant.

JPP Concrete Slab by Trashrake Dumpster (FY23)

Status: No activity this month. Project is currently in the planning and design phase. Technical specifications that incorporate the Geotechnical Report prepared by a consultant are approximately 90% complete and under final review pending internal review, with the design drawings 100% complete. The schedule for the solicitation and construction phases have been developed, and construction is anticipated to commence in October 2024.

O’NEILL PUMPING/GENERATING PLANT (OPP)

Main Transformers Rehabilitation/Replacement

Status: SLDMWA is currently in contract with Cal Electro Inc. (CEI) to complete the OPP Main Transformers Rehabilitation. The contract was awarded to CEI on May 10, 2023 and the Notice to Proceed was issued on May 18, 2023. SLDMWA is also in a Professional Services Agreement with DHR Hydro Services Inc. to provide project management services for the duration of the CEI contract. CEI’s subcontractors include Pennsylvania Transformer Technology Inc. (PTTI), North American Substation Services (NASS), MIDEL, RESA Power, National Coating and Lining (NCL), and Pacific Power Testing (PPT).

EXTRAORDINARY O&M & CAPITAL PROJECTS

The majority of rehabilitation work to the spare transformer has been completed. Two weeks of final work is needed before the spare can be acceptance tested. CEI has temporarily demobilized and is focusing on the required submittals necessary to complete the spare. Efforts were made to complete the rehabilitation in July and August, however an August outage would have severe water supply impacts. In addition, the contractor has been delayed in providing the necessary submittals to continue onsite work. Contractor continued finishing the required submittals for TSC to review and approve. Alternative schedules to complete the rehabilitation are now being discussed.

OPP Unit Rehabilitation Project (Previously Pump Bowl Modification & Replacement)

Status: Staff continued to work closely with Pentair to enter into a Service Agreement to complete the engineering, design, and fabrication for the Pump Bowl Replacement Program and the Unit Woodward Governor Replacement projects. Staff has received approval for approximately \$11.6 million in BIL funding for this project. Agreement to be presented to Board of Directors at the July meeting.

OPP UPS Battery Charging System Replacement (FY22)

Status: All materials have been purchased and are on hand, awaiting to be executed during an approved outage. Work will be executed by a contractor. Staff continues to work with the contractor to ensure they are compliant with California public contract codes prior to onsite work. With the recent cancellation of the Transformer outage, this work may be completed during a separate outage.

OPP Station Service Backup Battery System Replacement (FY23)

Status: All materials have been purchased and are on hand, awaiting to be executed during an approved outage. Work will be executed by a contractor. Staff continues to work with the contractor to ensure they are compliant with California public contract codes prior to onsite work. With the recent cancellation of the Transformer outage, this work may be completed during a separate outage.

OPP Cooling Water System Rehabilitation (Phase II)(FY25)

Status: Materials requiring a full plant outage have been purchased and are on hand, awaiting to be executed during an approved outage. Work will be executed by SLDMWA staff. With the recent cancellation of the Transformer outage, this work may be completed during a separate outage. Staff is in the process of identifying the remaining materials for the rehabilitation.

OPP Sand Filter System Rehabilitation Design (FY24)

Status: Preliminary planning activities have begun. 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 constructing 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

EXTRAORDINARY O&M & CAPITAL PROJECTS

technology that incorporates a much smaller footprint, through a pilot study. The plan is to install a VAF, V-1000 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. Due to the available space at the Jones Pumping Plant (JPP), the pilot plant will be installed at JPP. Incidental materials have been ordered that will support the installation of the V-1000 unit. Staff has drafted the pilot plan, and shared with Reclamation. Staff plans to install the pilot plant when scheduling permits. The pilot plant is tentatively scheduled to be installed in July, 2024.

TRACY FACILITIES (TFO)

TFO Domestic Water Treatment Plant Replacement (FY20)

Status: Project is completed. The primary water treatment equipment including the multi-media filters, GAC filters, and the membrane skids have been replaced. The building has been rehabilitated with a new roof and paint, and the site has been regraded to prevent flooding of the building. The California State Water Board inspected the new plant on December 18, 2023 and the list of corrective actions were minor and will be addressed by end of May 2024. Upgrades to the controls both locally and through the SCADA system are underway and are scheduled to be completed by late May 2024. The PLC has been replaced and new HMI added. The addition of operator requested improvements that will increase their offsite visibility and control of the system is underway. Visibility has been added for the 2 Nano Filter skids and Hach instruments on the local HMI. This project was finished in June, 2024.

MULTIPLE FACILITIES

TFO/LBFO/DCI Arc Flash Hazard Analysis (FY22)

Status: The analysis was conducted by Reclamation TSC through a LOA. The onsite surveys for TFO, LBFO, and DCI were completed in September 2022. Final report for LBFO and DCI Arc Flash Hazard Analysis has been received. Draft report for TFO Arc Flash Hazard Analysis has been reviewed and comments have been provided to TSC.

TFO Parking Lot Seal Coat & Striping (FY25)

Status: Informal Bids were issued to qualified contractors and were received on Tuesday June 11, 2024. Three qualified contractors submitted bids with the low bidder being DRYCO Construction, Inc. (\$97,782.00). The approved budget for this project is \$105,000. The Notice of Contract Execution and NTP letter was sent to DRYCO on June 25, 2024. The asphalt repairs are scheduled for July 26th, with seal coat and striping to finish on August 8th, and 9th, 2024.



MEMO

TO: Pablo Arroyave, Chief Operating Officer
FROM: Raymond Tarka, Director of Finance
Darlene Neves, Accounting Supervisor
SUBJECT: FY25 O&M Budget to Actual Report Through May 31, 2024
DATES: 07.08.24 FAC and 07.10.24 BOD

2024 Water Year (FY 3/1/24-2/28/25 attachment 1

Self-Funding actual expenses (paid and pending) for SLDMWA Routine O&M through May 31, 2024 are over budget by \$472,456. This unfavorable variance is the result of the timing of expenditures for O&M expenses in most cost pools, including labor that will be allocated to projects later in the year. These differences resulted in an over budget amount of \$1,071,425. Staff has determined that the overage will reverse as the fiscal year progresses. Favorable variances totaling \$598,969 are offsetting these overages to arrive at the net amount.

Outstanding

2022 Water Year (FY 3/1/22-2/28/23)

Staff mailed draft contractor records for the WY22 Final Accounting to all contractors on Monday, September 25, 2023. Contractors have responded with any reconciling differences.

Intertie O&M Cost Recovery

WY12 to WY20 Intertie True-Up: outstanding, no cost recovery. Refunds were sent out in November, 2021.

Audited Financial Statements FY2023

FY2023 Audit is underway and staff is working to provide the auditors with all necessary information for a timely audit.

2024 Water Year (FY 3/1/24-2/28/25)

On Tuesday, June 25, 2024, Reclamation increased the SOD Ag allocation from 40% to 50%. The timing of this announcement did not allow sufficient time to allow staff to survey members for their anticipated water deliveries and recalculate WY24 rates to be presented at the July, 2024 Finance and Administration meeting. Staff re-surveyed members for their estimated delivery data under the 50% allocation scenario and requested their responses by July 11, 2024. Staff plans to submit for approval recalculated WY24 rates at the August FAC and BOD meeting. These rates will be determined under the terms of recently adopted MOU between Friant Water Authority and SLDMWA, and will take into account new survey data under a 50% SOD Ag allocation.

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San Luis & Delta-Mendota Water Authority

Activity Agreements Budget to Actual Paid/Pending Comparison Summary

March 1, 2024 through May 31, 2024

FAC 07/08/24 & BOD 07/11/24

	FY Budget 3/1/24 - 2/28/25	Actual To Date Paid/Expense	% of Budget	Amount Remaining
03 General Membership	1,439,117	229,811	15.97%	1,209,306
05 Leg/CVP Operations	3,176,431	510,031	16.06%	2,666,400
06 Reallocation Agreement	0	0	0.00%	0
35 Contract Renewal Coordinator	22,000	47	0.21%	21,953
09 Leg/CVP Operations #3	0	0	0.00%	0
28 Yuba County Water Transfers	23,000	3,557	15.47%	19,443
22 Grassland Basin Drainage #3A	1,962,513	278,605	14.20%	1,683,908
63 SGMA - Coordinated	1,852,428	385,610	20.82%	1,466,818
64 SGMA - Northern Delta-Mendota Region	482,287	49,994	10.37%	432,293
65 SGMA - Central Delta-Mendota Region	482,287	38,880	8.06%	443,407
67 Integrated Regional Water Management	167,948	5,303	3.16%	162,645
68 Los Vaqueros Reservoir Expansion Project	1,248,000	376	0.03%	1,247,624
44 Exchange Contractors - 5 Year Transfer	9,000	1,646	18.29%	7,354
56 Long-Term North to South Water Transfer	33,930	3,230	9.52%	30,700
57 Long-Term North to South Water Transfer	144,930	3,140	2.17%	141,790
69 B.F. Sisk Dam Raise & Reservoir Exp	5,029,878	172,574	3.43%	4,857,304
16 DHCCP	123	47	38.21%	76
TOTAL	16,073,872	1,682,851	10.47%	14,391,021

25.00%

\$ 4,018,468

Budget vs. Actual
2,335,617

3/12 X 16,073,872

Budget vs. Actual

\$ 4,018,468

25.00%

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San Luis & Delta Mendota-Water Authority
07.08.24 FAC and 07.11.24 BOD

ANNUAL R, O&M BUDGET BY COST POOLS MARCH 1, 2024 - FEBRUARY 28, 2025

	Total	UPPER	Intertie	Volta Wells	LWR/POOL	O'NEILL O&M		
						DIRECT	STORAGE	SL DRAIN
DMC \$	7,309,556	\$ 4,410,586						
JPP \$	3,857,954	\$ 5,489,363			2,898,970			
WW \$	115,733	\$ 86,800						
Intertie O&M \$	437,899	\$	270,805		28,934			
DCI DWR Conveyance \$	3,256,050	\$	3,256,050					
Volta Wells \$	26,956	\$		69,935				
Mendota Pool \$	222,936	\$			195,462			
O'Neill \$	2,859,723	\$						
SL Drain \$	160,630	\$						
	\$ 18,247,437	\$ 9,986,749	\$ 3,526,855	\$ 69,935	\$ 3,123,366	\$ 2,428,686	\$ 431,037	\$ 245,213
O&M	\$ 14,991,387							\$ 245,213
DCI DWR Conveyance	\$ 3,256,050							\$ 245,213

R, O&M BUDGET BY COST POOLS THROUGH: MAY 31, 2024
25.00%

	Total	UPPER	Intertie	Volta Wells	LWR	O'NEILL O&M		
						DIRECT	STORAGE	SL DRAIN
DMC \$	1,827,389	\$ 1,102,647						
JPP \$	964,489	\$ 964,489			724,742			
WW \$	28,933	\$ 21,700						
Intertie O&M \$	109,475	\$	109,475		7,233			
DCI DWR Conveyance \$	814,013	\$	814,013					
Volta Wells \$	6,739	\$		6,739				
Mendota Pool \$	55,734	\$			55,734			
O'Neill \$	714,931	\$						
SL Drain \$	40,158	\$						
	\$ 4,561,859	\$ 2,088,835	\$ 923,487	\$ 6,739	\$ 787,710	\$ 557,646	\$ 157,285	\$ 40,158
O&M	\$ 40,158							\$ 40,158
DCI DWR Conveyance	\$ 814,013							\$ 814,013

R, O&M Actual COSTS BY COST POOLS THROUGH: MAY 31, 2024

	Total	UPPER	Intertie	Volta Wells	LWR	O'NEILL O&M		
						DIRECT	STORAGE	SL DRAIN
DMC \$	2,100,455	\$ 1,267,415						
JPP \$	1,491,275	\$ 1,491,275			833,040			
WW \$	37,454	\$ 28,091						
Intertie O&M \$	84,718	\$	84,718		9,364			
DCI DWR Conveyance \$	245,897	\$	245,897					
Volta Wells \$	643	\$		643				
Mendota Pool \$	43,828	\$			43,828			
O'Neill \$	953,628	\$						
SL Drain \$	76,418	\$						
	\$ 5,034,316	\$ 2,786,780	\$ 330,615	\$ 643	\$ 886,232	\$ 743,830	\$ 209,798	\$ 76,418
O&M	\$ 76,418							\$ 76,418
DCI DWR Conveyance	\$ 245,897							\$ 245,897

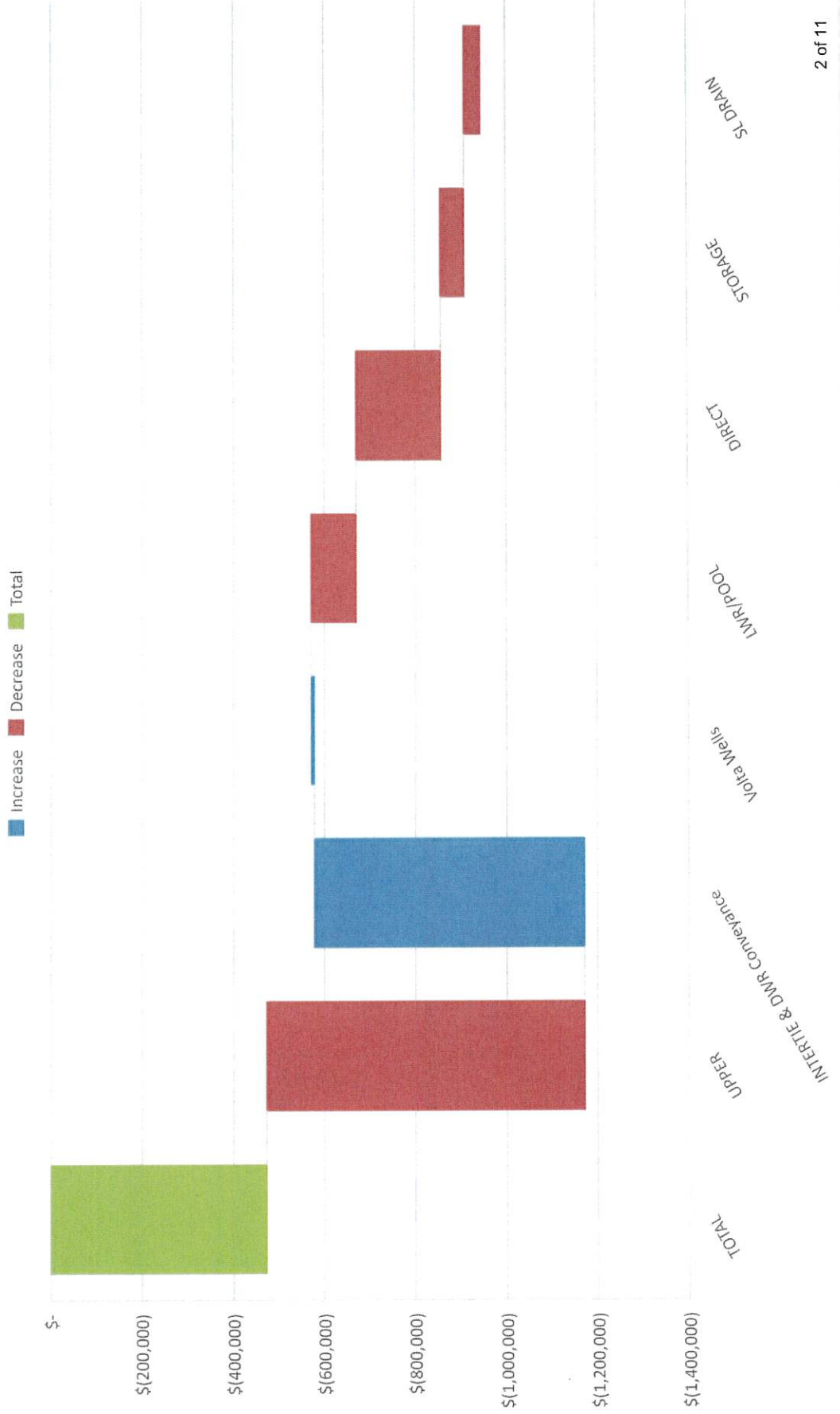
R, O&M BUDGET vs Actual COSTS THROUGH: MAY 31, 2024

	TOTAL	UPPER	Intertie & DWR Conveyance	Volta Wells	LWR/POOL	O'NEILL O&M		
						DIRECT	STORAGE	SL DRAIN
R, O&M Budget \$	4,561,859	\$ 2,088,835	\$ 923,487	\$ 6,739	\$ 787,710	\$ 557,646	\$ 157,285	\$ 40,158
R, O&M Actual \$	5,034,316	\$ 2,786,780	\$ 330,615	\$ 643	\$ 886,232	\$ 743,830	\$ 209,798	\$ 76,418
Difference \$	(472,456)	\$ (697,945)	\$ 592,873	\$ 6,096	\$ (98,522)	\$ (186,184)	\$ (52,513)	\$ (36,261)
OVER	-10.356664%	OVER BUDGET	UNDER	UNDER	OVER	OVER	OVER	1 of 1

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San Luis & Delta Mendota Water Authority
FY25 Budget to Actual Report through May 31, 2024
BUDGET VARIANCES
FAC 07/08/2024 BOD 07/11/2024



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