

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY BOARD OF DIRECTORS REGULAR MEETING MINUTES JULY 11, 2024

The Board of Directors of the San Luis & Delta-Mendota Water Authority convened at approximately 9:30 a.m. at 842 6th Street in Los Banos, California, with Chair Cannon Michael presiding.

Directors and Alternate Directors in Attendance

Division 1

- David Weisenberger, Director
Vince Lucchesi, Alternate for Bobby Pierce
Anthea Hansen, Director
Ed Pattison, Director

Division 2

- Ross Franson, Director
William Bourdeau, Director
Patrick McGowan, Alternate for Beau Correia
Bill Diedrich, Director

Division 3

- Chris White, Alternate for Dan McCurdy
Jarrett Martin, Director
Cannon Michael, Chair/Director
Ric Ortega, Director

Division 4

- John Varela, Director - Aaron Baker, Alternate
Richard Santos, Director
Jeff Cattaneo, Director
Joe Tonascia, Director

Division 5

- Bill Pucheu, Director
Allison Febbo, Director
Manny Amorelli, Director

Friant Representatives

- Jason Phillips, Representative

Authority Representatives Present

- Federico Barajas, Executive Director
Pablo Arroyave, Chief Operating Officer
Rebecca Akroyd, General Counsel
Rebecca Harms, Deputy General Counsel
Scott Petersen, Water Policy Director
Ray Tarka, Director of Finance
Stewart Davis, IT Officer
Jaime McNeill, Engineering Manager (via ZOOM)

Others in Attendance

- Dana Jacobson, Valley Water
- Seraphina Bedoyan, Water Wise
- Mitch Partovi, Water Agency
- Wilson Orvis, Friant Water Authority
- John Wiersma, Henry Miller Reclamation District
- Kristin Olsen, Foley & Lardner, LLP (via ZOOM)
- Dennis Cardoza, Foley & Lardner, LLP (via ZOOM)
- Kristin White, Bureau of Reclamation (via ZOOM)
- Mike Wade, Farm Water Coalition (via ZOOM)
- Katherine Maher, Valley Water
- Lea Emmons, City of Tracy (via ZOOM)
- Jim Thoming, Banta-Carbona Irrigation District (via ZOOM)
- Steve Stadler, San Luis Water District (via ZOOM)

1. Call to Order/Roll Call

The meeting was called to order by Chair Cannon Michael and roll was called.

2. Board to Consider Additions or Corrections to the Agenda of Items, as authorized by Government Code Section 54950 et seq.

No additions or corrections.

3. Public Comment

No public comment.

CONSENT ITEMS

4. Agenda Items 4-6: Board to Consider: a) June 6, 2024 Meeting Minutes, b) Acceptance of the Financial & Expenditures Reports, and c) Acceptance of Staff Reports.

On a motion of Director William Bourdeau, seconded by Director Richard Santos, the Board accepted the June 6, 2024 Meeting Minutes, Financial & Expenditures Reports, and Staff Reports. The vote on the motion was as follows:

- AYES: Weisenberger, Lucchesi, Hansen, Pattison, Franson, Bourdeau, McGowan, Diedrich, White, Jarrett Martin, Michael, Ortega, Varela, Santos, Cattaneo, Tonascia, Pucheu, Febbo, Amorelli
- NAYS: None
- ABSTENTIONS: None

ACTION ITEMS

5. Agenda Item 7: Water Resources Committee Recommendation Regarding Adoption of Staff Recommendation for Positions on Legislation.

- a. H.R. 4247 (Harder), Flood Prevention and Snowpack Management Act (support)
- b. H.R. 4385 (Neguse), Drought Preparedness Act (support)

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c. AB 2735 (Rubio): Joint powers agreements: water corporations. (oppose)

Water Policy Director Scott Petersen reviewed the staff recommendations for positions on legislation and answered questions from Board members. On a motion of Director William Bourdeau, seconded by Alternate Director Chris White, the Board adopted staff recommendation for support position on H.R. 4247, H.R. 4385, and an oppose position on AB 2735 Legislation. The vote on the motion was as follows:

AYES:	Weisenberger, Lucchesi, Hansen, Pattison, Franson, Bourdeau, McGowan, Diedrich, White, Jarrett Martin, Michael, Ortega, Varela, Santos, Cattaneo, Tonascia, Pucheu, Febbo, Amorelli
NAYS:	None
ABSTENTIONS:	None

6. Agenda Item 8: Finance & Administration Committee Recommendation Regarding Ratification of Change Order for \$16,674.10, Resulting in Total Expenditure of \$214,074.10 for Dive Services Utilizing Emergency Reserve Funds.

Chief Operating Officer Pablo Arroyave introduced the item. Arroyave provided a brief background on the project and noted that due to the contract change order, the Authority is now seeking recommendation for Board approval because the Procurement Policy requires Board approval for contracts exceeding \$200,000. Staff noted that the Finance & Administration Committee recommended approval.

On a motion of Director Richard Santos, seconded by Director Ric Ortega, the Board approved ratification of Change Order for \$16,674.10, resulting in total expenditure of \$214,074.10 for dive services utilizing Emergency Reserve Funds. The vote on the motion was as follows:

AYES:	Weisenberger, Lucchesi, Hansen, Pattison, Franson, Bourdeau, McGowan, Diedrich, White, Jarrett Martin, Michael, Ortega, Varela, Santos, Cattaneo, Tonascia, Pucheu, Febbo, Amorelli, Phillips
NAYS:	None
ABSTENTIONS:	None

7. Agenda Item 9: Finance & Administration Committee Recommendation Regarding Adoption of Resolution Authorizing Execution of Agreement for Services and Equipment for O'Neill Pumping/Generator Plant Unit Upgrades Project, Adoption of Single Source Procurement Justification, and Related Expenditure of up to \$1,796,000 from the FY23 EO&M Budget.

Chief Operating Officer Pablo Arroyave provided a brief overview of the item. Arroyave then referred to Engineering Manager Jaime McNeil to provide an overview of project phases, terms of the agreement, and the need for a single source procurement. Arroyave reminded that Board that the Authority received an \$11.6M Aging Infrastructure (AI) Account BIL funding notice from Reclamation, and that the

Authority anticipates submitting another AI BIL application in July 2024 to seek additional funding for the project. Arroyave, and Executive Director Federico Barajas answered questions from Board members.

On a motion of Director Richard Santos, seconded by Director Ross Franson, the Board adopted the resolution authorizing execution of agreement for services and equipment for O'Neill Pumping/Generator Plant Unit Upgrades Project, adoption of Single Source Procurement Justification, and related expenditure of up to \$1,796,000 from the FY23 EO&M Budget. The vote on the motion was as follows:

AYES:	Weisenberger, Lucchesi, Hansen, Pattison, Franson, Bourdeau, McGowan, Diedrich, White, Jarrett Martin, Michael, Ortega, Varela, Santos, Cattaneo, Tonascia, Pucheu, Febbo, Amorelli, Phillips
NAYS:	None
ABSTENTIONS:	None

REPORT ITEMS

8. Agenda Item 10: Report on State and Federal Affairs.

Water Policy Director Scott Petersen provided updates related to federal staffing, funding updates, the consultation on Long-Term Operations of the CVP and SWP and the Trinity Division consultation, ESA and CESA listings, the Water Resources Development Act, the Farm Bill, and the federal appropriations process. Petersen additionally provided a California legislative update. Petersen answered Board questions throughout his presentation. Additional information was provided by consultants Dennis Cardoza and Kristin Olsen.

9. Agenda Item 11: Executive Director's Report.

- a. **Aging Infrastructure BIL Funding** – Executive Director Federico Barajas reported that staff has begun the application process for this cycle of Aging Infrastructure BIL funding for the O'Neill and DMC projects. Barajas reported that the Authority received partial funding during the last application cycle and will be applying for the remaining funds in the current year.
- b. **Water Rates** – Executive Director Federico Barajas reported that there will be revised Water Year 2024 rates due to adjusted allocations, the amended agreement with Friant, and updated PUE costs. Barajas then referred to Director of Finance Raymond Tarka to provide additional information on PUE costs.
- c. **SLDMWA Governance Documents Update** – Executive Director Federico Barajas introduced General Counsel Rebecca Akroyd. Akroyd reported that 17 members took action approving the JPA amendments. Akroyd reported that Authority staff will email the suite of updated governance documents to the Board and Member agencies, and there are hard copies are available to those that want them.

10. **Agenda Item 12: Chief Operating Officer's Report**

- a. **Intertie Incident** – Chief Operating Officer Pablo Arroyave reported that on June 30, 2024 the 69 KV line that feeds the Intertie tripped and then reenergized. This caused an arc flash explosion at DCI Unit 1 motor control cabinet, which was destroyed; DCI Unit 2 was also damaged. Arroyave reported that repair and testing of all the affected wires has been completed by Authority crews, and Authority staff is now waiting for an outside breaker to be tested by WAPA. Arroyave reported that there is no timeline as of yet to replace the DCI Unit 1 cabinet components. Arroyave reported that Authority staff will be undertaking a full assessment to understand what caused the damage, in order to avoid something like this from happening in the future.
- b. **O'Neill Pumping Plant (OPP) Transformer Rehab** – Chief Operating Officer Pablo Arroyave reported that staff and Reclamation are in full agreement to having four 10-day outages separated by at least 6-weeks to a month, first 10-day outage potentially in February.
- c. **Operations & Maintenance Technical Committee (OMTC)** - Chief Operating Officer Pablo Arroyave reported the next OMTC meeting is schedule Monday, July 22, 2024.

11. **Agenda Item 13: Update on Water Operations and Forecasts**

Chief Operating Officer Pablo Arroyave introduced Kristin White from the Central Valley Operations Office (CVO) of the Bureau of Reclamation. White provided updates regarding CVP storage, operations, and the latest forecasts.

12. **Agenda Item 14: Committee Reports.**

- a. **Water Resources Committee** – Chair William Bourdeau reported that the committee met and addressed agenda items.
- b. **Finance & Administration Committee** – Chair Anthea Hansen reported that the committee met and addressed agenda items.
- c. **O&M Technical Committee** – Chair Chris White reported that the committee is scheduled to meet July 22, 2024.

13. **Agenda Item 15: Outside Agency/Organization Reports.**

- a. **State and Federal Contractors Water Agency (SFCWA)** – No report.
- b. **Family Farm Alliance (FFA)** – Report included in the packet. Chair Cannon Michael reported that there will be an upcoming strategic planning session.
- c. **Farm Water Coalition (FWC)** – Mike Wade provided a brief overview of the report included in the packet.

- d. Association of California Water Agencies (ACWA) – No report.
- e. Water Blueprint for the San Joaquin Valley (Blueprint) - Water Policy Director Scott Petersen reported that the packet includes the Water Policy Memo from the Water Resources Committee meeting with detailed information on Blueprint activities.
- f. SJV CAP - Water Policy Director Scott Petersen reported that the Water Policy Memo from the Water Resources Committee meeting includes detailed information on SJV CAP.
- g. CVPWA – Director Anthea Hansen reported that the Finance Affairs Committee meeting is July 19, 2024.

14. Agenda Item 16: Board Member Reports.

Director Ric Ortega reported on outreach activities, including tours.

15. Agenda Items 17-18: Closed Session Report.

After allowing an opportunity for public comment, Chair Cannon Michael adjourned the open session to address the items listed on the Closed Session Agenda at approximately 11:13 a.m. Upon return to open session at approximately 11:37 a.m., Chair Cannon Michael stated that no reportable actions were taken.

16. Agenda Item 19: Reports Pursuant to Government Code Section 54954.2(a)(3)
No report.

17. Agenda Item 120: Adjournment.

The meeting was adjourned at approximately 11:38 a.m.



August 08, 2024

To: Pablo Arroyave, Chief Operating Officer

From: Bob Martin, Facilities O&M Director

Subject: O&M Report for July 2024

OPERATIONS & MAINTENANCE DEPARTMENT

The C.W. "Bill" Jones Pumping Plant (JPP) operated with 3 to 4 units for the month of July. The average rate of pumping for the JPP was 3,318 cfs for the month.

Total pumping at the JPP for the month of July was 204,046 acre-feet. The O'Neill Pump/Generating Plant (OPP) generated 21,930 acre-feet, and pumped 31,170 acre-feet during the month. 0 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 July.,

The Federal share in the San Luis Reservoir at the end of July was 499,285 acre-feet as compared to 892,292 acre-feet for the end of July 2023.

During the month of July, releases from Friant Dam ranged from 410 to 445 cfs with 5,167 acre-feet entering the Mendota Pool. Flows for the San Joaquin River Restoration Program (SJRRP) were 5,296 acre-feet for the month.

Canal Operations

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

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

4.98	12.37 L	19.15 R
19.40 R	19.59 R	20.59 L
22.20 L	26.21 RB	27.80 R
29.19 R	31.60 R	32.36 L
32.38 R	32.62 R	33.07 RB
34.63 R	36.39 L	43.22 L
46.83 L	50.70 R	52.02 R
52.40 L	55.85 L	58.73 R
59.50 RB	64.32 R	67.55 L
76.05 L	81.80 R	86.72 L
87.35 R	90.57 L	96.62 L
96.70 R	100.80 R	105.05 L
105.56 L	115.90 L	

- Serviced flow meters at DMC MP's

22.20 L	22.78 L	25.02 L	25.18 L
25.65 L	29.56 L	30.33 L	30.43 R
30.96 L	31.60 R	32.36 L	32.38 R
32.62 R	33.07 R	33.90 R	50.70 R
52.40 L	66.06 L	96.70 R B	96.70 RC

- Bi-weekly meter readings on all active 200 plus turnouts
- Inspected Wasteways
 - Westley
 - Newman
 - Volta
 - Firebaugh
- Collected water samples 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

Control Operations

Switching/Clearance Orders:

- C-24-DCI-25 DCI Unit 2 disconnect repair
- C-24-DCI-28 DCI 4160 volt buss inspection
- C-24-DCI-29 DCI KW1A transformer inspection
- C-24-OP-30 OPP Unit 5 annual maintenance
- C-24-JP-31 JPP Unit 5 motor cooler coil flush
- C-24-JP-32 JPP Unit 2 exciter cleaning and inspection
- C-24-JP-32A JPP Unit 2 exciter cleaning and inspection
- C-24-JP-33 JPP Unit 5 exciter cleaning replace motor cooler
- C-24-JP-33A JPP Unit 5 exciter cleaning and inspection

Jones Pumping Plant (JPP)

Electrical/C&I Maintenance Crews:

- JPP east discharge tube flow meter troubleshoot and repair
- JPP Unit 2 commutator brushes inspection and replacement
- JPP Unit 5 commutator brushes inspection and replacement
- TSY 13 kV switchyard C&I test and inspection 1-month PM
- JPP emergency lighting 1-month PM
- JPP plant systems C&I 1-month PM
- Station service battery bank and system test and inspection 1-month PM

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Mechanical Maintenance Crews:

- Inspect JPP Unit 2 commutator brushes and cut to size for Electric Shop
- Inspect JPP Unit 5 commutator brushes and cut to size for Electric Shop
- Repair leaking drain in JPP main bathroom
- Repaired the blast building paint shaker
- Butter Fly Valve (BFV) compressor test and inspection 12-month PM
- Repaired broken hydraulic line on the JPP trash rake
- Rebuild JPP monorail rake drive wheel gearbox
- Repaired heat exchanger for BFV air dryer system
- Clean and coat bonnets and hatches at JPP
- Replaced and repaired trash rake hoses, wheels, and wire ropes
- JPP sewage system test and inspection 12-month PM
- Installed dryer units in JPP and CMT dressing rooms
- Rehabbed spare set of motor coolers
- JPP crane and hoists 12-month PM
- Flushed JPP Unit 5 thrust bearing cooling system
- JPP Air Wash unit 1-month PM
- JPP trash rake test and inspection 6-month PM
- JPP 21 ton bridge crane hoist 3-month PM
- JPP 100/20 ton gantry crane hoist 1-month PM
- JPP 100/20 ton gantry crane hoist 3-month PM
- Ordered and replaced a water supply solenoid valve on the Air Wash system
- Fabricated a foam gasket roll holder for the JPP gasket room
- JPP shop monthly cleanup PM
- Air dryer and dehydrator 12-month PM

Civil Maintenance Crews:

- None to Report

O'Neill Pumping/Generating Plant (OPP)

During the annual maintenance activities on OPP Unit 5, damage was noticed on the lower pump bearing shaft sleeve and significant corrosion was evident on the flange stud nuts that hold the impeller to the shaft. Upon further inspection, the shaft sleeve lining coating had scratches/gouges in the lining material. Also, a significant groove has been cut into the shaft sleeve steel section and significant corrosion has occurred on the pump shaft surface between the shaft sleeve and the pump shaft. SLDMWA Engineering staff has performed an inspection of the damage and has drafted an inspection report documenting the damage. Upon approval of the report, it will be submitted to Reclamation for their review along with a request for a special inspection. Engineering recommends the unit be out of service until a full evaluation of the damage has been completed.

Electrical/C&I Maintenance Crews:

- OPP Unit 5 annual maintenance
- OPP domestic water system C&I test and inspection 3-month PM
- DCI Unit 1 ARC flash event recovery
- TFO building HVAC systems A/C replacement
- OPP cathodic protection system anode test and inspection 1-month PM
- OPP North and South security gate test and inspection 1-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 UPS battery internal resistance test and inspection 1-month PM
- OPP compressed air systems LP test and inspection 1-month PM
- OPP compressed air systems HP test and inspection 1-month PM
- OPP 65/10 ton overhead 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 facility lighting test and inspection 3-month PM

Mechanical Maintenance Crews:

- OPP Unit 5 annual maintenance
- OPP Unit 5 jacks hydraulic system rebuild and repair
- OPP Unit 3 cooling water pump seal leak troubleshoot and repair
- OPP basement Marlo coil refrigerant leak troubleshoot and repair
- OPP Siphon Building compressor air system test and inspection 3-month PM
- OPP high pressure air compressor test and inspection 1-month PM

Civil Maintenance Crews:

- None to report

DMC/CA Intertie Pumping Plant (DCI)

On June 30th an Arc Flash event occurred on DCI Unit 1 that caused catastrophic damage to the Motor Control Cabinet (MCC) for the unit. SLDMWA staff along with support from Reclamation's technical staff have evaluated the sequence of events and have determined the root cause was associated with the UPS (Uninterruptable Power Supply) system not providing power to the plants protection system between the plant trip and the startup of the plant emergency generator. Staff has worked tirelessly this month to return the plant to service. The damaged components have been removed and MCC's have been cleaned up and the plant 4160V bus configuration has been modified to isolate the damaged units from the other units. The malfunctioning UPS system has been replaced and anticipate that Units 3, 4, 5 & 6 will be returned to service on Wednesday, August 6th.

Electrical/C&I Maintenance Crews:

- DCI Unit 1 ARC flash event recovery
- DCI C&I supervisory test and inspection 1-month PM
- DCI Jib hoist test and inspection 3-month PM
- DCI Penstock valve pit ventilation system test and inspection 6-month PM
- DCI HVAC system test and inspection 6-month PM
- DCI CA slide gate test and inspection 6-month PM
- DCI service air system test and inspection 6-month PM
- DCI CA electrical distribution system test and inspection 6-month PM
- DCI service water system test and inspection 6-month PM
- DCI Unit 1 discharge valve electrical test and inspection 12-month PM
- DCI Unit 1 motor assembly test and inspection 12-month PM
- DCI Unit 2 motor assembly test and inspection 12-month PM
- DCI Unit 2 discharge valve test and inspection 12-month PM
- DCI Unit 2 motor protection relay (MPR) C&I test and inspection 12-month PM
- DCI Unit 3 motor protection relay (MPR) C&I test and inspection 12-month PM

- DCI Unit 3 motor assembly test and inspection 12-month PM
- DCI Unit 3 discharge valve test and inspection 12-month PM
- DCI Unit 4 discharge valve test and inspection 12-month PM
- DCI Unit 4 motor protection relay (MPR) C&I test and inspection 12-month PM
- DCI Unit 4 motor assembly test and inspection 12-month PM
- DCI Unit 5 discharge valve test and inspection 12-month PM
- DCI Unit 5 motor protection relay (MPR) C&I test and inspection 12-month PM
- DCI Unit 5 motor assembly test and inspection 12-month PM
- DCI Unit 6 discharge valve test and inspection 12-month PM
- DCI Unit 6 motor protection relay (MPR) C&I test and inspection 12-month PM
- DCI Unit 6 motor assembly test and inspection 12-month PM
- DCI South penstock reverse flow system test and inspection 12-month PM
- DCI North penstock reverse flow system test and inspection 12-month PM
- DCI reverse flow control cabinet CB1 test and inspection 12-month PM
- DCI UAA breaker test and inspection 12-month PM
- DCI water level monitoring system test and inspection 12-month PM
- DCI janitorial services 1-month PM

Mechanical Maintenance Crews:

- DCI Unit 1 ARC flash event recovery
- DCI Unit 3 air vent valve leak troubleshoot
- DCI Unit 5 rebuild stuffing box mechanical seal
- Replace slanting disc check valve buffer on all Units

Civil Maintenance Crews:

- DCI Building rodent control
- Crane support for the discharge valve PM

Delta-Mendota Canal (DMC)

Electrical/C&I Maintenance Crews:

- MP 115 flowmeter troubleshoot and repair

Mechanical Maintenance Crews:

- None to report

Civil Maintenance Crews:

- Chemical weed control MP 29.93 to 37.28, 52.01 to 64.30, 107.42 to 110.12
- Mechanical weed control MP 6.60 to 18.05, 29.19 to 29.93, 68.03 to 81.79
- Trash collection from at MP's 30.43, 46.35, 46.84, 68.03
- DMC sign maintenance/repair at MP74.80
- Repair sprinklers at TFO
- Rodent control at DCI
- SLD trash removal
- Pond 10 maintenance (VWW)
- Grading roadways from MP 36.52 to 45.77, NWW, 79.70 to 94.27
- Hyacinth removal from upstream of Hwy 33
- Repair shoulder drains at MP 26.21, 28.27
- DMC pothole maintenance from Check 13 to MP 107.42
- Fabricate & install new lock boxes at Jerrold, Nees, and Washoe Aves.
- DMC gate and fence maintenance at Ck's 2, 5, 12, 16 and 19, 52.01, and 78.59

- Float line repair at MP 110.99, 111.26
- Installed new line meter at MP 96.70
- Fabricated handrails at MP 3.65-L, 24.40-L, 28.89-L, 48.60-L, and 48.62
- DMC Check inspection 12-month PM's (1 – 13)
- DMC Radial gate inspection 12-month PM(11- 21)
- Fabricate trash rack for turnout at MP 49.56-R
- TFO shop and yard cleanup
- Rodent abatement from MP 4.16 to 58.23, 64.30 to 74.40
- Install concrete steps at MP 28.89-L and 48.60-L
- LBFO Fire extinguisher, eye wash station, and first aid kit inspection 1-month PM
- Erosion repair at Mt. House Rd, Tracy Blvd., 29.95, 48.62,
- Replaced bent gate at Canyon Road
- 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
- TFO UPS Battery Bank and system test and inspection 1-month PM
- TFO Water Treatment Plant controls test and inspection 1-month PM
- TFO Control Building emergency lighting system test and inspection PM

Mechanical Maintenance Crews:

- Replaced a 4-inch water valve used for filling the water truck
- Car wash water recycling unit 1-month PM
- Car wash water recycling unit 3-month PM
- Fabricate trash rack for MP 49.56-R
- Sandblast Build breathing air compressor maintenance and filter change

Civil Maintenance Crews:

- Landscape/sprinkler system 1-month PM

Other Activities

- Working with Merced County Sheriff's Dept. to control unauthorized encampments along the lower DMC

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

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 1 & 2 plant trip troubleshooting
- JPP spare slip ring replacement
- OPP plant metering & relay as-built drawing updates

- TFO Car Wash Station rehabilitation
- OPP KW1A oil test result analysis
- OPP stuffing box shaft sleeve recoating
- OPP Unit 5 annual maintenance support
- OPP Unit 5 inspection
- JPP water leak at and around Unit 5

Land Management Activity Summary:

The Engineering staff issued one (1) Access Permit this month:

- Access Permit P2502016 was issued to Del Puerto Water District for temporary drafting of water from the Delta-Mendota Canal near Milepost 47.89-R for orchard spraying.

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
- Costco Cold Distribution Center development
- Fresno County Nees Ave. bridge replacement
- Rogers-Vieira Subdivision City of Tracy development
- Easement investigation at Woo Road

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 July 2024 to all SLDMWA staff:
 - 7-1-2024 Fire Extinguishers
 - 7-2-2024 Preventing Head Injuries
 - 7-3-2024 First Aid
 - 7-4-2024 Ergonomics
 - 7-5-2024 Emergency Response
- Provided Safety Message for July 2024 Newsletter
 - COVID-19 Policy
- Scheduled annual hearing tests for selected employees
- Conducted an Ergonomic Evaluation for LBAO employee
- Provided Confined Space Rescue Standby at DCI
- 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 GSE Construction (Tension Arm Repair Contractor) to discuss pending issue and to find resolution. Upon meeting with the Bureau staff, a resolve has reached.
- WAM Manager & Contracts Specialist attended Planet Bids Vendor & Bid Management training
- WAM Manager finalized and conducted final implementation on Planet Bids

- WAM Manager attended meeting with O&M Director and counsel to finalize Obsolete Stock Disposal Policy
- WAM Manager worked with legal counsel on revising various contract language and boilerplate template updates

Contracts/PO Agreements/LOA's Status Update:

Specification	Title	Status
F24-OPP-009	Station Battery Replacement	PO issued 7/30, contingent on DIR
F24-OPP-013	UPS Battery Replacement	PO issued 7/30, contingent on DIR
F25-JPP-007	Excitation System	Letter of Interest posted, due 8/7/24
F24-OPP-031	Pump Bowl Manufacturing	Contract executed 7/17
F25-JPP-011	Rehabilitate Coating on Pump Casings & Bifurcation	Pre-solicitation stage
F25-DMC-008	DMC MP 41.49 Liner Repair	Change order executed 7/11
F25-TFO-010	Tracy Admin Office Roof Resealing	Contract Executed 7/16
F25-DMC-005	DMC Subsidence Utility Locating and Mapping Services	Intent to Award issued, pending Board approval in August
F25-ALL-016	Project Management & Engineer Support Services	Task Order 1 Executed 7/25
F25-DCI-015	DCI Arc Fault Event Engineering Support	Executed 7/31
F25-ALL-014	Portable Toilet Rental & Service Master Contract	Pre Solicitation
F23-LBFO-008	NPDES Permit Consulting Services	Name Change Amendment executed 7/11

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
- Bi-weekly project update meetings with O&M Director
- Contract invoice payment reviews, invoice disputes as needed, invoice payments

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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
- Staff 4 month performance appraisal

General Network & Desktop Support:

- Desktop support calls
- Firewall firmware updates
- Exchange server maintenance:
 - Updated Windows server
 - Exchange server CU23 update completed
- DNS Network rework
 - Monitor DNS replication by physical location
 - TAO & TFO
 - LBAO/LBFO/OPP
 - SAC
- Creating additional VLAN's for network segmentation
 - Phones, security, WiFi access points
- Troubleshoot DHCP
- Acquired Tablets to be deployed to Electric Shop
 - Imaging underway
- Fuel Master Database restoration and backup completed
- System wide critical server patches deployed
- Create and edit of GPO's for better domain administration and Cybersecurity
- Edit and consolidate login batch files
- Reviewed Document Management solutions
- Evaluated alternatives to Zoom
- Purchased additional NetSuite licenses to total 110 employees
- On premise meeting with NetSuite account manager
- Fix "Unable to Send email" error in Control Room Documents
 - Create and completed documentation on resolution

Ongoing:

- NetSuite
 - User and Administration
 - Bi-Weekly Implementation Team meetings
 - Monitor Citrin Cooper support activities for NetSuite
 - Continued research on budgeting software solution
 - NDA signed with potential vendors
 - Grant management

- Shepherd
 - Weekly progress meetings
 - Continue testing tablets in field
 - Additional modifications to User roles
- Server refresh
 - Servers, prepping for redeployment
- Cybersecurity
 - Active Directory cleanup
 - 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 Incident 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
- Deployment of Office 2021
- Logistical and technical support provided to Trofholz, site security installation vendor hired by USBR
 - PIV card readers activated and tested with current issued ID's
 - 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
- Data migration
 - GIS server migration phase 1
- FY24/FY25 Laptop refresh
 - OS image creation and deployment
- New Asset control and tracking

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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
- Resolve CVO data loss to JPP
- Support C&I troubleshoot JPP Unit 5 RTD's
- Verify JPP trash rake alarms from Redlion HMI to Control Room annunciator
- Configure local historian to OPP SCADA machine
- Resolve OPP Unit 1 vane position input with C&I
- Resolve communication interference from Volta Waterway to OPP
- Support Operation for JPP East tube flowmeter configuration
- 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 moving 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 moving Un-Wired connection from DCI to TFO
 - Vendor providing site survey – no additional expense
- Check 21 communications upgrade
- Registered attendance at Ignition Automation Convention
- Continue evaluation of damage at DCI to bring SCADA back online
 - Provide list of materials and labor for potential insurance claim

Ongoing:

- 26-K5 Design of new O.T. network
 - Review and research for overall SCADA upgrade and replacement
 - Discovery of 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
 - Final design completed
 - Device field testing completed
 - Digi ix40 and ix30 to be deployed
- Discussions to use Fiber per 1992 contract from JPP to DWR Check 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

- Hardware and materials ordered to place AP in LBFO and Control Room in phase 1
 - Server Room
 - Clean up of server rack to prepare for future redundant PLC's
 - Upgrades of Operator A and B started
 - OPP
 - SCADA/User station upgrade
 - New rack mount PC build
 - Completed and fully deployed
 - 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
 - Level sensor upgrade scheduled Aug 9th
 - 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
 - PLC received
 - LBFO
 - Moved all security cameras to private network
 - Pulled fiber between Office and shop to carry additional bandwidth
 - 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
 - Control Operator
 - Water Resource Engineer
- New Hire Orientations
 - None
- Meeting with Retirement Representatives

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

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EXTRAORDINARY O&M & CAPITAL PROJECTS

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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 (Finding of No Significant Impact) and ROD (Record of Decision), both necessary to finalize Reclamation Policy (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 continues to coordinate with Policy as they work through the review. CDM provided the draft Incidental Take Permit (ITP) to the SLDMWA for review. Comments and will be provided in the next reporting period. Once finalized the draft will be submitted to CA Fish and Wildlife for coordination. Agency reviews may take upwards of 18 months for final approval.

Geotechnical Exploration: Terracon has submitted the Final GDR to SLDMWA and BOR. Upon review of the data BOR indicated that it meets their scoped requirements. Terracon will now transition to preparing the Draft Geological Characterization Report; anticipated to be submitted in late August.

Project Management: In anticipation of multiple bridge raises, anticipated construction packages, and multi-agency coordination efforts, staff anticipates entering into a Professional Services Agreement with a consultant to assist with managing the various aspects of the project.

Design Data Support: Numerous design data collection efforts have been completed and continue to be coordinated. The remaining USBR data support tasks consist of survey data collection as needed by the Design team. At the request of Reclamation, SLDMWA solicited for a subsurface utility engineering consultant. This proposed Professional Services Agreement will be brought to

EXTRAORDINARY O&M & CAPITAL PROJECTS

the FAC & Board this month. This consultant will manage the coordination of various location services along the DMC in both member agency areas and public ROW. Their deliverables will be updated utility mapping at various quality levels to be incorporated into the design documents.

Design:

- 30% design documents have been submitted by BOR for review. A 30% Design review will be held in the next reporting period.
- SLDMWA staff and Reclamation are in conversations to identify smaller construction tasks that can be accomplished by SLDMWA.
- The subsidence project team has been engaging with the SGMA group to ensure alignment between the groups occurs as it relates to design parameters.

DMC Turnout Flowmeter Upgrade Program – Phase 3 (FY23)

Status: The contract was executed in November 2023 for the purchase of 50 flowmeters from McCrometer. All flowmeters have been delivered, however some outstanding issues remain with the type of brackets that were delivered. Staff is working with McCrometer to resolve the issues. Installation of meters to occur once correct brackets are received.

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

Status: The Financial Assistance Agreement application package was prepared and submitted to Reclamation last month. Staff is currently working on providing more detailed estimate support to Reclamation.

DMC O&M Road Repair (Full Depth Rehabilitation)

Status: No Activity

DMC Underdrain Sedimentation Removal Project

Status: No Activity

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. TSC delivered the 98% design package this month, and staff is currently reviewing. Final reviews will occur next month to ensure the 100% design is transmitted in September. Solicitation of the project is scheduled to occur in the fall, and be in contract early 2025. Staff also met with Reclamation to discuss the procedure to receive BIL funds in advance.

JPP Wear Ring Purchase (FY22)

Status: No activity

EXTRAORDINARY O&M & CAPITAL PROJECTS

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.

JPP Concrete Slab by Trashrake Dumpster (FY23)

Status: The project design, technical specifications, and final review have been completed. The project will be solicited next month, construction scheduled to begin in October.

JPP Siphon Breaker Communication Upgrades

Status: Project underway, see SCADA Department O&M Report

JPP Trashrake Controls Modernization

Status: Project underway, see SCADA Department O&M Report

JPP Current Transformer (CT) Upgrade (Units 1 & 4)

Status: No Activity

JPP Machine Shop Crane Rehabilitation

Status: No Activity

JPP Rehabilitate Coating on Pump Casings & Bifurcation

Status: Planning activities have begun. This project will require an extended outage, and significant coordination to accomplish. At first opportunity, staff anticipates hosting a site visit to allow potential contractors the opportunity to enter the discharge tube to view the current coating condition and the limited access they will have.

JPP Plant Flowmetering System Rehabilitation

Status: Planning activities have begun. The plan is to have the equipment on hand to install during the outage for the JPP Pump Casings & Bifurcation project.

JPP Sand Filter System Rehabilitation

Status: No Activity

JPP Unit Valve Replacement

Status: All 36 valves were purchased in April, and have a minimum lead time of 8 months. Additional electrical components have also been purchased and are awaiting delivery. Installation of valves to occur upon receiving.

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

EXTRAORDINARY O&M & CAPITAL PROJECTS

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).

The majority of rehabilitation work to the spare transformer has been completed, however approximately two more weeks of work is required before the spare can be acceptance tested. All submittals must be approved prior to CEI mobilizing to the site. SLDMWA, David Roose, and TSC continue to work with CEI to ensure submittals are completed. Onsite work is scheduled to begin mid August.

Due to the potential water supply impacts, an alternative rehabilitation schedule is being planned that will involve multiple smaller outages utilizing the spare transformer to keep the plant operational while the transformers are rehabilitated. Substantial modifications to the specifications and the CEI contract will be needed, as well as detailed engagement with the appropriate stakeholders.

To better facilitate the rehabilitation of each transformer separately, a new concrete slab was determined to be needed. Staff has been working with Reclamation on approval of the plans. The slab will be constructed the 2nd week of August.

OPP Upgrades – Pump Bowl Fabrication & Governor Rehabilitation

Status: Upon Board approval last month, staff executed an agreement with Pentair Agreement to complete the engineering, design, and fabrication for the Pump Bowl Replacement Program and the Unit Woodward Governor Replacement projects. The project kick off meeting is scheduled for 8/7/24. The site survey with the contractor and SLDMWA staff will occur the week of 8/19/24.

OPP UPS Battery Charging System Replacement (FY22)

Status: All materials have been purchased and are on hand, and SLDMWA is currently in and agreement with contractor to execute the install. Staff is currently targeting an October outage, pending favorable hydraulic conditions.

OPP Station Service Backup Battery System Replacement (FY23)

Status: All materials have been purchased and are on hand, and SLDMWA is currently in and agreement with contractor to execute the install. Staff is currently targeting an October outage, pending favorable hydrologic conditions.

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. Staff is in the process of identifying the last remaining materials required for the rehabilitation. Staff is currently targeting an October outage, pending favorable hydrologic conditions.

EXTRAORDINARY O&M & CAPITAL PROJECTS

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 technology that incorporates a much smaller footprint, through a pilot study. Staff drafted a pilot study that was shared with Reclamation prior to execution. This month, a VAF, V-1000 self-cleaning screen filter was installed at the JPP to test the performance of the new technology over the next 6 months. The system performance will be shared with USBR to determine if the VAF screening system is a viable option to the existing sand filters.

OPP Upgrades – Unit Rewind

Status: No Activity

OPP Upgrades – Unit Rehabilitation

Status: No Activity

TRACY FACILITIES (TFO)

TFO Parking Lot Seal Coat & Striping

Status: DRYCO Inc. completed the asphalt repairs on Friday July 26th, 2024. After a two week asphalt curing period, DRYCO Inc. will resume the project with seal coating and striping on August 8th, and 9th.

TAO Kitchen Remodel

Status: Planning activities have begun.

DELTA-MENDOTA CALIFORNIA INTERTIE PUMPING PLANT (DCI)

DCI Motor Protection Relay Replacement

Status: No Activity

DCI HVAC System Rehabilitation/ Replacement (FY23)

Status: Planning activities began this month.

EXTRAORDINARY O&M & CAPITAL PROJECTS

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 Arc Flash Reports has been received for TFO, LBFO, and DCI. The project is complete.

TAO/LBFO Electric Vehicle Charging Stations – Phase 1

Status: No Activity

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MEMORANDUM

TO: SLDMWA Board of Directions, Alternates
SLDMWA Finance & Administration Committee Members, Alternates

FROM: Pablo Arroyave, Chief Operating Officer
Jaime McNeil, Engineering Manager

DATE: August 5, 2024

RE: Recommendation to Adopt Resolution Authorizing Award of Contract, Execution of Professional Services Agreement with SANDIS Engineering for DMC Subsidence Utility Locating and Mapping Services, and Related Expenditure of up to \$2.14M from the DWR Subsidence Correction Project Grant Funds, and CEQA Exemption

BACKGROUND

The U.S. Bureau of Reclamation (Reclamation) is currently preparing plans, specifications, and estimates to restore the upper Delta-Mendota Canal (DMC) (MP 3.55 – 70) to its original design capacity under Construction Package #1 (CP1), part of the DMC Subsidence Correction Project. To support the design, Reclamation has requested the San Luis & Delta-Mendota Water Authority (Authority) support the CP1 design package by collecting subsurface utility locations around structures planned to be raised to restore the DMC. These features, such as the concrete liner, bridges, pipe crossings, and turnouts, will require excavation, and gathering underground utility data will ensure safety during construction, provide minimal interruptions, ensure protection of surrounding utilities and pipelines, and prevent avoidable change orders. The Authority has the most relevant working knowledge of the DMC and is best suited to tackle this task with the assistance of a utility locating firm.

On March 29, 2024, the State of California Department of Water Resources (DWR) and the Authority executed a non-reimbursable funding agreement for \$22,610,000. The scope of the funding agreement includes work and agreements to support the design of CP1 and other construction packages as needed. Given that the proposed Professional Services Agreement for Utility Locating and Mapping Services directly supports CP1, it is within the scope of the DWR agreement and can be utilized to fund this agreement.

On May 22, 2024, the Authority advertised a formal Request for Proposal (RFP) for DMC Subsidence Utility Locating and Mapping Services and received one proposal from SANDIS Engineering.

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Annex

Memo to SLDMWA Finance & Administration Committee, Board of Directors

August 5, 2024

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ISSUE FOR DECISION

Whether to recommend adoption of the proposed resolution authorizing award of contract, execution of professional services agreement with SANDIS Engineering for DMC Subsidence Utility Locating and Mapping Services, and related expenditure of up to \$2.14M from the DWR Subsidence Correction Project Grant Funds, and CEQA Exemption.

RECOMMENDATION

Staff recommends adoption of the proposed resolution.

RFP PROCESS & DETAILS

The Authority formally solicited for proposals to prepare and execute a utility locating program that identifies and physically locates all existing subsurface utilities. The contract deliverables include hardcopy and electronic map books of the utilities with survey grade locations and depths which will be incorporated into the design drawings prepared by Reclamation for CP1. In essence, this contract will provide an accurate set of underground utility as-built drawings.

The contracted work is exempt from CEQA because the work involves minor alterations in the condition of land, water, and vegetation (minor trenching and backfilling where the surface is restored) and consists of basic data collection, research, experimental management, and resource evaluation activities which do not result in a serious or major disturbance to an environmental resource. Notices of Exemption will be filed with the relevant counties following Board action.

The RFP was solicited directly to eleven (11) firms and posted online and in two newspapers in accordance to the Procurement Policy. Six (6) vendors attended a mandatory site visit; however, only one (1) proposal was received. The Authority and Reclamation staff evaluated and scored the proposal.

SANDIS Engineering, the sole proposer, has been found qualified and capable of undertaking the work to complete the scope of work for up to \$2,140,000. A Notice of Intent to Award was issued on July 29, 2024, notifying SANDIS that they were the apparent successful proposer. The final award will occur after the Board of Directors' approval.

BUDGET IMPLICATIONS

The proposed expenditure of up to \$2,140,000 will be funded entirely by the non-reimbursable DWR grant for the DMC Subsidence Correction Project. The existing agreement is for \$22.6M of which \$6.6M has been invoiced to date.

ATTACHMENTS

1) Notice of Intent to Award, 2) Draft Professional Services Agreement, 3) Draft Resolution

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NOTICE OF INTENT TO AWARD

Date: 7/29/2024

To:

Laura Cabral
Sandis Civil Engineers Surveyors and Planners
1700 S Winchester Blvd, #200
Campbell, CA 95008

Project Title: DMC Subsidence Utility Locating and Mapping Services
Project Specification Number: F25-DMC-005

On July 11, 2024 the San Luis & Delta-Mendota Water Authority (SLDMWA) received one (1) proposal for the subject project from Sandis Civil Engineers Surveyors and Planners.

The Authority has deemed Sandis Civil Engineers Surveyors and Planners as the best qualified and most responsive, responsible proposer to provide the utility locating and mapping services for the DMC Subsidence project for a total contract amount of **\$2,140,000.00**.

You are hereby notified that on August 08, 2024 SLDMWA Staff will recommend to the SLDMWA Board of Directors, award of the contract for DMC Subsidence Utility Locating and Mapping Services to Sandis Civil Engineers Surveyors and Planners.

SLDMWA appreciates the time and effort that all of the participating firms dedicated in consideration for this project.

Sincerely,

Travis Roberts

Travis Roberts
Contract Specialist

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SAN LUIS & DELTA-MENDOTA WATER AUTHORITY

AGREEMENT FOR PROFESSIONAL SERVICES

For

DMC Subsidence Utility Locating and Mapping Services

THIS AGREEMENT, is made and entered into effective August ____, 2024 between the San Luis & Delta-Mendota Water Authority, hereinafter referred to as "SLDMWA" and Sandis Civil Engineers Surveyors Planners, a California Corporation, hereinafter referred to as "Consultant" for professional services as set forth herein.

Task Order Contract: Yes No

The following designated Exhibits are incorporated fully into and made a part of this Agreement:

Exhibit A – Scope of Services

Exhibit B – General Terms and Conditions for Professional Services

Exhibit C – Fees, Hourly Rates and Reimbursable Costs/Expenses and Schedule

IT IS MUTUALLY AGREED, as follows:

1. SCOPE OF SERVICES

Consultant shall provide the professional services described in the Scope of Services set forth in Exhibit A as may be amended or augmented from time to time, and in accordance with this Agreement, any Task Orders applicable to the Agreement, and the General Terms and Conditions for Professional Services set forth in Exhibit B, and for the compensation set forth in Exhibits C, Fees, Hourly Rates, and Reimbursable Costs/Expenses.

Any change in the Scope of the Services, budget or schedule set forth therein, or to any other matter materially affecting the performance of or nature of the professional services will not be paid for or accepted unless such change, addition or deletion be approved in advance, in writing, by SLDMWA.

2. TERM OF AGREEMENT AND PERFORMANCE SCHEDULE

This Agreement shall become effective as of the date indicated and shall continue until the earlier of the completion of all required services as set forth in Exhibit C or five (5) years from the effective date of the Agreement.

3. CONTRACT DOCUMENTS

A. The Contract Documents referred to herein are incorporated herein by reference as if set forth in full in this Agreement.

B. Work called for in any one Contract Document and not mentioned in another is to be performed and executed as if mentioned in all Contract Documents. The table of contents, titles and headings contained herein and in said documents are solely to facilitate reference to various provisions of the Contract Documents and in no way affect or limit the interpretations of the provisions to which they refer.

C. The Contract Documents shall include the Request for Proposal, Addenda, Sealed Proposal Form, Professional Services Agreement, the Proposal Guarantee/Security (if applicable), the General

Conditions, the Special Provisions, Specifications, Exhibits, Permits from other agencies that may be required by law, the Contract Drawing and Plans, the Contract Schedule, and any and all supplemental agreements amending or extending the Work contemplated and which may be required to complete the Work in an acceptable manner. Supplemental agreements are written agreements covering alterations, amendments, or extensions to the Contract Documents and include Change Order/Amendments, Field Directives, Field Orders, Bulletins and supplemental drawings.

4. PARTY REPRESENTATIVES AND NOTICES

Each party's designated representative for administration of this Agreement and receipt of notices is designated below. All notices or other communications provided for by the Agreement shall be in writing and shall be sent by 1) personal delivery, 2) nationally-recognized overnight delivery service (such as Federal Express) which provides evidence of delivery, 3) first class United States mail (postage prepaid), registered or certified, return receipt requested, or 4) e-mail with a copy by first class U.S. mail. Notice shall be deemed received on the date actually delivered if delivered by personal delivery, overnight delivery, or U.S. Mail with return receipt requested and delivered during normal business hours on a business day. Notice by e-mail shall be deemed delivered on the date of transmission, unless the same is after 5:00 p.m. or on a weekend or holiday, in which event delivery shall be on the next business day. A party may change its address for notices under the Agreement by giving notice as provided herein. Notices shall be sent to the following party representatives at the following addresses:

<u>Provider</u>	<u>SLDMWA</u>
Laura Cabral Sandis Civil Engineers Surveyors Planners 1700 S. Winchester Blvd., Suite 200 Campbell, CA 95008 lcabral@sandis.net (408) 564-3181	Jacob Bejarano San Luis & Delta-Mendota Water Authority 15990 Kelso Road Byron, CA 94514-9614 Jacob.bejarano@sldmwa.org (209) 832-6216

IN WITNESS WHEREOF, this Agreement has been executed by and on behalf of the parties hereto, the day, month and year so indicated above. If Provider is a corporation, partnership or limited liability company, documentation must be provided that the person signing below for Provider has the authority to do so and to so bind Provider to the terms of this Agreement.

<u>Provider</u>	<u>SLDMWA</u>
By: _____ Signature _____ Print Name _____ Title _____ Company Name	By: _____ Pablo R. Arroyave Chief Operating Officer San Luis & Delta-Mendota Water Authority

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EXHIBIT A – SCOPE OF SERVICES

A. Scope of Services

Section 1: General Information

1.1 Project Objective

The primary objective of the utility investigation program is to retain a consultant to prepare and execute a utility locating program that collects subsurface data to enable the Authority and Reclamation to depict the existing subsurface utilities with a stated level of accuracy. The consultant will obtain a categorized list of utilities and perform various quality level investigations of known utilities and general reconnaissance investigations for potential unknown underground utilities. The consultant will retain and manage all aspects of the investigation, from utility agency contact to vacuum excavation and patchwork.

1.2 Subsurface Utility Engineering

Subsurface Utility Engineering (S.U.E.) is an engineering process that accurately and comprehensively identifies, characterizes, and maps underground utility facilities. It includes the three major designating, locating, and data management activities. Combined with traditional record research, coordination with utility owners, and site surveys, these activities provide high-quality utility information for project development and design.

Section 2: Scope of Services

This Request for Proposals intends that the Consultants selected as a result of this solicitation employ qualified, competent, and experienced personnel to provide the services set forth herein. Such services shall be commensurate with the prevalent methodologies used by consultants practicing within the subject area of work and the magnitude and intricacy of the work under consideration. The Consultant will primarily provide quality level A, B, and C information as described in the latest edition of ASCE 38 Standard Guideline for Investigating and Documenting Existing Utilities. There may be occasions, very early in the design process, where quality level C & D information is required. The Consultant will accomplish these services so that it will be unnecessary for the Authority to supplement any of them with its personnel, except as noted within this Scope of Work. The Authority may, however, review the work from time to time to verify accuracy and evaluate the firm's performance. The following items are not intended to be comprehensive or exclusive; they are merely a general outline of the expected work. The Consultant shall supplement the Scope of Work with their expertise, highlighting their understanding of the services required and demonstrating their experience with projects of similar scope and magnitude.

2.1 Designating

For this proposal, "designate" means indicating underground utilities' presence and horizontal location using geophysical prospecting techniques, including electromagnetic, magnetic, sonic, or other energy fields. This work is considered quality level B and will be typically employed for rural irrigation pipe crossing.

The Consultant shall:

1. Obtain all necessary permits from the city, county, municipality, railroad, or other entity to allow the Consultant to work on existing streets, roads, and private property to mark, measure, and record the locations of existing underground utilities.
2. Coordinate with utility companies and appropriate agencies with jurisdiction (AHJ) to research existing utilities' locations (s). Secure all "as built" plans, plats, and other necessary data supplied by utility companies. While obtaining information from utility companies or AHJs, ascertain the age, size, material type, general condition, and other information from agency records.

3. Designate, record, and mark the horizontal location of existing underground utilities. No storm drain inlets are to be designated unless required on an exception basis. Utility designations shall be returned to the Authority in a digital format compatible with the Authority's CAD systems. All survey work will be the responsibility of the Consultant. Horizontal surveying of underground utilities shall be accurate to applicable survey standards.
4. Determine and inform the Authority of the approximate depth of all existing utilities as determined by subsurface utility designating techniques when readings appear valid. This depth indication is understood to be approximate and intended to be shown on plans for future pothole exploration by others.
5. Provide all traffic control and maintenance to perform the work per the AHJ requirements. All traffic control and maintenance shall be performed in accordance with the current State Manual on Traffic Control Procedures for Public Utilities Easements.
6. Obtain a permit from the AHJ for traffic control and possible lane closures before initiating any field surveys or test holes. The consultant will be responsible for filing for the permit and fulfilling all requirements of the AHJ permit.
7. Provide all necessary equipment and support personnel, including surveying capability, to secure the data outlined in this section.
8. All completed designating services shall be stamped by a CA Registered Engineer or Surveyor by an official of the Consultant firm on the plans or as directed by the Authority. The Consultant shall be responsible for the accuracy of all information presented to the Authority.

2.2 Locating

For this proposal, "locate" means obtaining the utility line's precise horizontal and vertical positions by excavating a test hole. The test holes shall be made using vacuum excavation or comparable nondestructive methods in a manner that does not damage the utility line or USBR facilities. After excavating a test hole, the Consultant shall perform a field survey to determine the utility line's exact location and position. This work shall be performed around bridges and crossings identified as impacted and considered quality level A.

The Consultant shall -

1. Review plans furnished by the Authority showing areas requiring location within the project limits. Based on best practices, recommend changes to the Authority's location plan. Obtain utility company records as needed.
2. Obtain all necessary permits from the city, county, municipality, railroad, or other entity to allow the Consultant to work on existing streets, roads, and private property to mark, measure, and record the location of existing underground utilities.
3. Comply with all Utilities Protection Center (UPC) and State Law requirements for notification before excavation.
4. Coordinate with utility company inspectors as required.
5. Neatly cut and remove existing paving, with a cut area not exceeding 225 square inches. Excavate using a method enabling vertical and horizontal exploration through this cut.
6. Excavation depth shall not extend beyond 2 feet below the top of the canal liner elevation.
7. Excavate test holes using vacuum excavation, hand digging, or other methods to prevent damage to wrappings, coatings, or other protective coverings.
8. Be responsible for any damage to the utility that Consultant causes during performance of the work under this agreement. Consultant shall not be liable for any damage caused by the acts of other parties for whom it is not legally responsible.
9. Backfill with approved material around the utility structure.
10. Furnish, install, and color code a permanent above ground marker (e.g., P.K. nail, peg, steel pin, or hub) directly above the structure's centerline and record the marker's elevation.

11. Provide a permanent restoration of the pavement within the limits of the original cut at the time of backfill. If the test hole is excavated in an area other than the roadway pavement, the area disturbed shall be restored to equal or better than the condition before excavation.
12. Provide all maintenance and control of traffic to perform the work.
13. Obtain a permit from the Agency Having Jurisdiction (AHJ) Engineer for traffic control and possible lane closures before initiating any field surveys or test holes. The consultant will be responsible for filing the permit and fulfilling all requirements of the AHJ permit, including all materials, equipment, and personnel necessary for traffic maintenance.
14. Provide complete cleanup of the work site equal to or better than its pre-excitation.
15. Tie all vertical elevations to at least two checked benchmarks. The accuracy shall be in accordance with established surveying practices. Utility locations shall be returned to the Authority in Autodesk Civil 3D 2018 or later digital format.
16. Provide the following test hole information on a certification form to the Authority:
 - o Elevation of the top and/or bottom of the utility tied to the datum of the furnished plan.
 - o Elevation of existing grade over utility test hole.
 - o Horizontal location referenced to project coordinate datum. The Consultant shall perform all required survey work.
 - o Outside pipe diameter or duct bank width and configuration of non-encased multi-conduit systems.
 - o Utility structure material compositions and condition.
 - o Identification of benchmarks used to determine elevations.
 - o Elevations shall have an accuracy of +/- 0.05 ft
 - o A California Registered Surveyor stamp shall be affixed to each certificate
17. Close out permits as required.
18. Maintain the quality of the permanent pavement restoration for one (1) year.
19. All completed locating services shall be certified by an official of the Consultant firm on the plans or as directed by the Authority. The Consultant shall be responsible for the accuracy of all information presented to the Authority.

The Authority will -

1. Provide Survey Benchmarks to tie the horizontal and vertical position of the located utilities to the State Plane Coordinate System and the project limits.
2. Provide a preliminary list of utilities within the project limits.
3. Furnish a list of impacted bridges and the preliminary construction limits in an electronic form.
4. Provide a Letter of Introduction to assist the Consultant in establishing the need for their presence in a particular area.

2.3 Project Management and Deliverables

The consultant shall assume complete control of the project and provide biweekly progress meetings with the Authority and Reclamation to discuss progress and findings and coordinate any difficult utility locations.

A non-inclusive list of expected deliverables will consist of the following:

- o Three (3) hardcopy bound map books of the utility mapping,
- o Electronic copy of utility mapping in Autodesk Civil 3d 2018 or later
- o Utility Location certificates.

2.4 Time to Complete Work

The Consultant shall complete and deliver designating and locating services within 160 calendar days after the notice to proceed.

B. Firm Qualifications

Provide a discussion of how your firm is best qualified to respond to work assignments for this contract. Discussion should focus on:

- Your firm's expertise and experience, as it relates to each item in the "Scope of Work" for this contract. Provide examples of previous related project experience as it relates to these services
- Ability and Strategy to meet project schedules, including fast-tracked, and changing priorities. The response should include a brief discussion on the current and projected workload.
- Compatibility of systems, software, and equipment (i.e. CADD software, word processing software, etc.), and experience with these systems, software, and equipment. The Department's standard design software is Autodesk Civil 3D and ESRI Arc GIS. Describe any additional support equipment or software you intend to use.
- Sub-consultant and support services that you anticipate utilizing and describe their expertise.
- Quality assurance/quality control procedures.
- References (three minimum) must be provided identifying each client, a contact person and the client's mailing address and telephone number for similar projects done by the personnel to be involved in these projects.

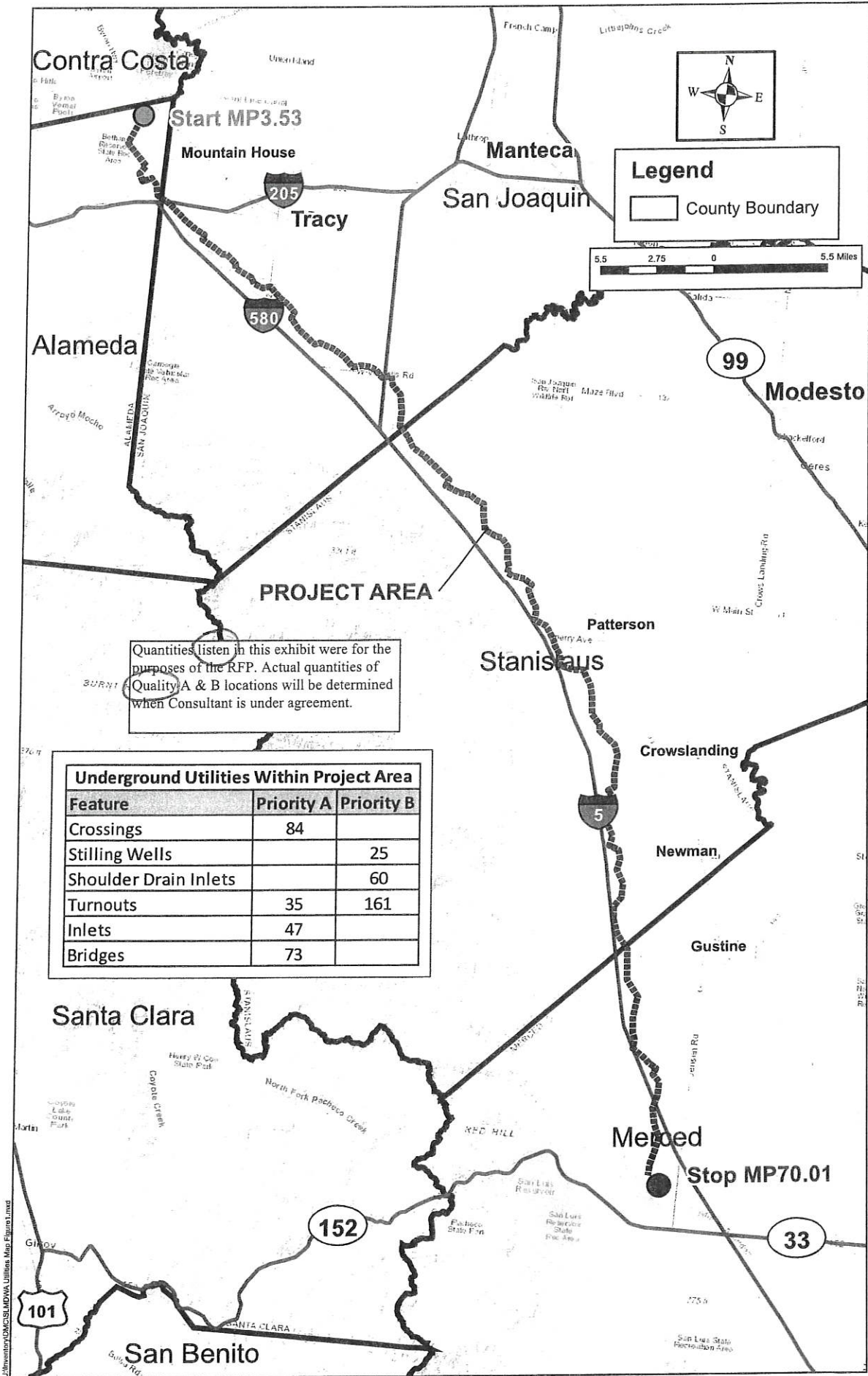
C. Personnel Qualifications

Qualifications of Personnel: Provide a discussion of the qualifications of the key personnel to be assigned to this contract. Discussion should focus on:

- Expertise, experience, and training of key personnel to be assigned to the contract, as it relates to the "Scope of Work" for this contract. Provide examples of previous related project experience as it relates to these services.
- Clearly state any professional licensing requirements applicable to this contract.
- Include an organization chart that indicates the project staff, their area of expertise, registration, office location(s), and commitment of time to the project.

Please note: The number of locations are tentative and subject to change upon project start, the locations provided in Map 1 are an estimate and were used for solicitation purposes.

Figure 1 Utilities Map



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