

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY BOARD  
OF DIRECTORS REGULAR TELEPHONIC MEETING  
MINUTES FOR NOVEMBER 4, 2021

The Board of Directors of the San Luis & Delta-Mendota Water Authority convened at approximately 9:30 a.m. at 842 6th Street, Los Banos, California, and via teleconference in accordance with Government Code section 54953(e) and Resolution No. 2021-490 adopted by the San Luis & Delta-Mendota Water Authority Board of Directors on October 7, 2021, with Chair Cannon Michael presiding.

**Directors and Alternate Directors in Attendance**

**Division 1**

- David Weisenberger, Director
- Bobby Pierce, Director - Vince Lucchesi, Alternate
- Anthea Hansen, Director
- Rick Gilmore, Director

**Division 2**

- Ryan Ferguson, Director
- William Bourdeau, Director
- Michael Linneman, Director - Ara Azhderian, Alternate
- Bill Diedrich, Director

**Division 3**

- Jeff Bryant, Alternate for Dan McCurdy
- Chris White, Director - Jarrett Martin, Alternate
- Cannon Michael, Director
- Ric Ortega, Director - Ellen Wehr, Alternate

**Division 4**

- John Varela, Director - Aaron Baker, Alternate
- Gary Kremen, Director
- Jeff Cattaneo, Director

**Division 5**

- Bill Pucheu, Director
- Tom Birmingham, Director, - Jose Gutierrez, Alternate
- Manny Amorelli, Director

**Authority Representatives Present**

- Federico Barajas, Executive Director
- Pablo Arroyave, Chief Operating Officer
- Frances Mizuno, Special Projects Administrator
- Rebecca Akroyd, General Counsel
- Scott Petersen, Water Policy Director
- Joyce Machado, Director of Finance
- Lauren Neves, Accountant III
- Stewart Davis, IT Officer
- Gerald Robbins, Special Programs Manager

Bob Martin, Facilities O&M Director

**Others in Attendance**

Tom Boardman, Westlands Water District  
Dana Jacobson, Valley Water  
Stephanie Reyna-Hiestand, City of Tracy  
Dennis Cardoza, Foley & Lardner, LLP  
Bill Ball, Foley & Lardner, LLP  
Steve Stadler, San Luis Water District  
Mike Wade, California Farm Water Coalition  
John Wiersma, Henry Miller Reclamation District  
Wilson Orvis, Friant Water Authority  
Joe McGahan, Summers Engineering  
Brian Nash, Richardson and Company, LLP  
Kristin Olsen, CalStrat  
Don Wright, WaterWrights  
Lora Carpenter, Fieldman Rolapp & Associates  
Robert Porr, Fieldman Rolapp & Associates

**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. Opportunity for Public Comment**

None.

**CONSENT ITEMS**

**4. Agenda Items 5-7: Board to Consider: a) Acceptance of the Financial & Expenditures Reports, b) Treasurer's Report, c) Staff Reports.**

Upon request by Director Anthea Hansen, Agenda Item 4 Approval of September 30, 2021 Workshop/Meeting, October 7, 2021 Meeting, and October 21, 2021 Workshop/Meeting Minutes was removed from the consent calendar and taken separately, below.

On a motion of Director Tom Birmingham, seconded by Director Chris White, the Board accepted the Financial Expenditures Reports, Treasurer's Report, and Staff Reports. The vote on the motion was as follows:

AYES: Weisenberger, Pierce, Hansen, Gilmore, Ferguson, Bourdeau, Linneman, Diedrich, Bryant, White, Michael, Ortega, Varela, Cattaneo, Pucheu, Birmingham, Amorelli

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NAYS: None  
ABSTENTIONS: None

5. **Agenda Item 4: Board of Directors to Consider Approval of September 30, 2021 Workshop/Meeting, October 7, 2021 Meeting, and October 21, 2021 Workshop/Meeting Minutes.**

Director Anthea Hansen suggested minor revisions to the October 7, 2021 meeting minutes and the October 21, 2021 Joint Workshop/Meeting minutes.

On a motion of Director Anthea Hansen, seconded by Director Chris White, the Board Approved the September 30, 2021 Workshop/Meeting, October 7, 2021 Meeting, and October 21, 2021 Workshop/Meeting minutes with suggested revisions. The vote on the motion was as follows:

AYES: Weisenberger, Pierce, Hansen, Gilmore, Ferguson, Bourdeau, Linneman, Diedrich, Bryant, White, Michael, Ortega, Varela, Cattaneo, Pucheu, Birmingham, Amorelli  
NAYS: None  
ABSTENTIONS: None

**ACTION ITEMS**

6. **Agenda Item 8: Board of Directors to Consider Finance & Administration Committee Recommendation Regarding Acceptance of Final Fiscal Year 2021 Audited Financial Statements.**

Auditor Brian Nash of Richardson and Company, LLP presented the FY21 audited financial statements, Governance letter, and the Management letter. Nash explained that a change in the accounting program during the fiscal year made completing the audit more difficult as new reports and accounting procedures were put in place. Nash reported that there was significant activity throughout the year with the debt issuances related to DHCCP and the JPP Rewind project. Nash reviewed the FY21 audited financial statements in detail. Nash reported that there was a significant increase in restricted cash mainly due to the JPP Rewind project.

On a motion of Director Rick Gilmore, seconded by Director Tom Birmingham, the Board Accepted the Final Fiscal Year 2021 Audited Financial Statements. The vote on the motion was as follows:

AYES: Weisenberger, Pierce, Hansen, Gilmore, Ferguson, Bourdeau, Linneman, Diedrich, Bryant, White, Michael, Ortega, Varela, Kremen, Cattaneo, Pucheu, Birmingham, Amorelli  
NAYS: None  
ABSTENTIONS: None

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7. **Agenda Item 9: Board of Directors to Consider Finance & Administration Committee**

**Recommendation Regarding Authorization to Execute the ACWA JPIA Commitment to Excellence Program Letter of Acceptance.**

Chief Operating Officer Pablo Arroyave presented the staff memo regarding a letter of acceptance for the Commitment to Excellence safety program administered by ACWA JPIA. Arroyave presented the form letter that Authority Board members would sign after Board authorization. Arroyave reported that approving and signing this letter would allow the Authority to seek grant funding of up to \$10,000 to fund activities within the program.

On a motion of Director Rick Gilmore, seconded by Director John Varela, the Board Authorized Execution of the ACWA JPIA Commitment to Excellence Program Letter of Acceptance. The vote on the motion was as follows:

AYES: Weisenberger, Pierce, Hansen, Gilmore, Ferguson, Bourdeau, Linneman, Diedrich, Bryant, White, Michael, Ortega, Varela, Kremen, Cattaneo, Pucheu, Birmingham, Amorelli  
NAYS: None  
ABSTENTIONS: None

**8. Agenda Item 10: Board of Directors to Consider Water Resources Committee Recommendation Regarding Authorization to Execute Second Amendment to Agreement for Professional Services with CDM Smith and Related Increase in Expenditure of \$300,000 for B.F. Sisk Dam Raise and Expansion Project Support within the FY22 Leg Ops Budget.**

Chief Operating Officer Pablo Arroyave presented the staff memo included in the packet. Arroyave reported that staff recommends authorization to execute an amendment to the Agreement for Professional Services with CDM Smith and related increase in expenditure of \$300,000, accomplished by a realignment of remaining FY 22 Leg Ops budget funds. Arroyave reported that the Water Resources Committee recommended the Board authorize the Second Amendment to Agreement for Professional Services with CDM Smith, and the increase in expenditure of \$300,000 within the FY22 Leg Ops Budget.

On a motion of Director Tom Birmingham, seconded by Director Bill Diedrich, the Board Authorized Execution of the Second Amendment to Agreement for Professional Services with CDM Smith and Related Increase in Expenditure of \$300,000 for B.F. Sisk Dam Raise and Expansion Project Support within the FY22 Leg Ops Budget. The vote on the motion was as follows:

AYES: Weisenberger, Pierce, Hansen, Gilmore, Ferguson, Bourdeau, Linneman, Diedrich, Bryant, White, Michael, Ortega, Varela, Kremen, Cattaneo, Pucheu, Birmingham, Amorelli  
NAYS: None  
ABSTENTIONS: None

**9. Agenda Item 11: Board of Directors to Consider Finance & Administration Committee and**

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**Water Resources Committee Recommendations Regarding Potential Cost Share Percentage for B.F. Sisk Dam Raise and Expansion Project.**

Chief Operating Officer Pablo Arroyave presented the staff memo included in the packet. Arroyave reported that there were two questions presented to the Water Resources Committee on Monday: 1) What non-federal investment option (e.g. 50% CVP-only and 50% investor-directed or 30% CVP-only and 70% investor-directed) should be adopted for the project, and 2) Whether the Authority should select one of the three specific operational configurations identified, or an alternative configuration. Arroyave reported that Reclamation confirmed that pursuing the 50/50 split would allow more flexibility moving forward. Arroyave reported that in accordance with the WIIN Act, prior to commencement of construction, a cost share agreement for any reimbursable federal benefits must be developed and executed. Arroyave reported that due to questions and concerns regarding the Emergency Water Supply assumptions and analysis developed for the Feasibility Study, for the addendum, the Delta facility outage duration has been changed from 1-year to 2-years. Arroyave reported that this 2-year outage evaluation approach is currently under review by Reclamation economists. Director Tom Birmingham reported that this was the subject of a very lengthy discussion at the Water Resources Committee, and reported the committee recommendation to select the 70%AG/15%M&I/15% Refuge configuration, and maintain the 50/50 cost split with the understanding that it can be modified prior to construction.

Director Tom Birmingham made the motion to select the 70%AG/15%M&I/15% Refuge configuration, and maintain the 50/50 cost split with the understanding that it can be modified prior to construction. The motion was seconded by Director William Bourdeau. The vote on the motion was as follows:

AYES:	Weisenberger, Pierce, Hansen, Gilmore, Ferguson, Bourdeau, Linneman, Diedrich, Bryant, White, Michael, Ortega, Varela, Kremen, Cattaneo, Pucheu, Birmingham, Amorelli
NAYS:	None
ABSTENTIONS:	None

10. **Agenda Item 12: Board of Directors to Consider Adopting Resolution Re-Ratifying the Proclamation of a State of Emergency by Governor Gavin Newsom (March 4, 2020), Proclaiming the State of Emergency Continues to Directly Impact the Ability of Members of the Legislative Bodies of the San Luis & Delta-Mendota Water Authority to Meet Safely In-Person and Re-Authorizing Remote Teleconference Meetings for such Legislative Bodies for the Period November 4, 2021 through December 4, 2021 Pursuant to Brown Act Provisions.**

General Counsel Rebecca Akroyd reported that because the Authority's Water Resources Committee and Finance & Administration Committee have meetings scheduled for December 6, 2021, and the Board of Directors meeting is scheduled for December 9, 2021, the Authority would like to allow

the opportunity to conduct business remotely in compliance with Government Code section 54953(e). Akroyd reported that staff is proposing adoption of a new resolution, and as drafted, the resolution makes all the requisite findings to continue to meet via teleconference pursuant to AB 361. Chair Cannon Michael suggested virtual meetings continue until the end of the year. Akroyd suggested striking the 13<sup>th</sup> whereas in the resolution in order to hold virtual meetings only.

Director Rick Gilmore made the motion, seconded by Director Gary Kremen, for the Board to adopt the Resolution, with modification, Re-Ratifying the Proclamation of a State of Emergency by Governor Gavin Newsom (March 4, 2020), Proclaiming the State of Emergency Continues to Directly Impact the Ability of Members of the Legislative Bodies of the San Luis & Delta-Mendota Water Authority to Meet Safely In-Person and Re-Authorizing Remote Teleconference Meetings for such Legislative Bodies for the Period November 4, 2021 through December 9, 2021 Pursuant to Brown Act Provisions. The vote on the motion was as follows:

AYES:	Weisenberger, Pierce, Hansen, Gilmore, Ferguson, Bourdeau, Linneman, Diedrich, Bryant, White, Michael, Ortega, Varela, Kremen, Cattaneo, Birmingham, Pucheu
NAYS:	None
ABSTENTIONS:	None

**II. Agenda Item 13: Board of Directors to Consider Authorizing Execution of Agreement to Admit the City of Tracy to the First Amended and Restated Los Vaqueros Reservoir Expansion Project Activity Agreement.**

Chief Operating Officer Pablo Arroyave reported that the City of Tracy has expressed an interest in joining the First Amended and Restated Activity Agreement. Arroyave reported that a letter agreement (included in the packet) was drafted to add the City of Tracy as a member of the Activity Agreement, and it has been reviewed and approved by the City of Tracy and all existing Activity Agreement members. Arroyave reported that staff recommends the Board authorize staff to execute the letter agreement and seek signature on the letter agreement from all Activity Agreement members and the City of Tracy. Arroyave reported that upon execution of the letter agreement, the City of Tracy will pay their share through June, 2021 of \$241,244.21, and as a result, the other four Activity Agreement members will receive a refund for their overpayments

On a motion of Director Tom Birmingham, seconded by Director Rick Gilmore, the Board Authorized Execution of Agreement to Admit the City of Tracy to the First Amended and Restated Los Vaqueros Reservoir Expansion Project Activity Agreement. The vote on the motion was as follows:

AYES:	Weisenberger, Pierce, Hansen, Gilmore, Ferguson, Bourdeau, Linneman, Diedrich, Bryant, White, Michael, Ortega, Varela, Kremen, Cattaneo, Pucheu, Birmingham
NAYS:	None

ABSTENTIONS: None

## REPORT ITEMS

### 12. Agenda Item 14: Report on State and Federal Affairs.

Water Policy Director Scott Petersen highlighted items in his report included in the packet. Petersen reported that the Department of the Interior in early October announced key members of agency leadership who will work to advance President Biden's agenda to tackle climate change, protect endangered wildlife, and honor relationships and trust responsibilities with Indigenous communities.

Petersen reported that Reclamation requested reinitiation of consultation on September 30, 2021. Petersen reported that in response to this action, on October 20, 2021, the Water Authority sent a letter to Reclamation Regional Director Ernest Conant requesting participation in the reinitiation of consultation pursuant to Section 4004 of the WIIN Act and in the NEPA process as either a Cooperating Agency or Participating Agency.

Petersen reported that the Council on Environmental Quality (CEQ) is proposing to modify certain aspects of its regulations for implementing the procedural provisions of the National Environmental Policy Act to generally restore regulatory provisions that were in effect for decades before being modified in 2020. Petersen reported that CEQ must receive comments by November 22, 2021.

Petersen reported that the U.S. House of Representatives passed the Infrastructure Investment and Jobs Act on a 228-206 vote, sending the legislation to President Biden for signature. Petersen reported that this legislation represents the most significant investment in U.S. infrastructure in decades, and includes over \$8.3 billion dollars to repair aging dams and canals, build new surface and groundwater storage and conveyance facilities, fund water conservation and recycling projects, and enhance watershed management and improve ecosystems.

Dennis Cardoza and Bill Ball provided additional input on the infrastructure bill, and the potential for an expedited vote. Ball noted some republican support.

Petersen reported that on October 19, the Governor issued a proclamation extending the drought emergency statewide and resetting a conservation target of 15% reduction in consumption prior to 2020. Petersen reported that the proclamation adds the eight counties not previously included in the drought state of emergency. Petersen reported that in addition, the proclamation requires local water suppliers to implement water shortage contingency plans that are responsive to local conditions and prepare for the possibility of a third dry year.

Petersen reported that on October 19, the State Board issued a notice indicating that all curtailments under the August 20, 2021 curtailment orders issued pursuant to the Sacramento-San Joaquin Delta Watershed Emergency Reporting and Curtailment Regulation are temporarily suspended at this time.

Petersen reported that the state legislature is set to reconvene on January 3, 2022.

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Kristin Olsen reported that the Governor did expand the drought declaration to cover all 58 counties across the state. Olsen reported that the water conservation cuts are still voluntary, and that the administration has indicated that they will now wait until at least January before considering any mandatory cuts statewide.

**13. Agenda Item 15: Update on Grassland Basin Drainage Management Activities**

Joe McGahan reported that the Mud Slough Restoration Project will be brought to the Board for action next month. McGahan reported that a draft Initial Study and Mitigated Negative Declaration was prepared and circulated for public review on June 30, 2021. McGahan reported that comments were received for the California Department of Fish and Wildlife, California State Water Resources Control Board, and the Planning & Conservation League, which resulted in minor modifications to some of the text within the Initial Study; however, they were not significant enough to require re-circulation of the documents.

McGahan also reported that the Grassland Basin Drainage (GBD) Management Activity Agreement Steering Committee submitted a fishery health report on July 31, 2021 that included all data available on fish tissue sampling since the beginning of the Grassland Bypass Project since 1996. McGahan reported that the report was submitted for public comment and the GBD are awaiting written comments from the Regional Board.

**14. Agenda Item 16: Review of San Luis Transmission Project Bond Financing Options**

Special Projects Administrator Frances Mizuno presented the item. Mizuno reported that the Board previously took action to proceed with the Authority self-financing of the San Luis Transmission Project up to \$345,000,000. Mizuno reported that since then, the Authority has received an updated cost estimate and schedule from the Western Area Power Administration (WAPA) and has also been informed that WAPA can enter into a 40-year project development and transmission service agreement rather than the 30-year term previously presented. Mizuno summarized updated cost estimate provided by WAPA and then referred to Robert Porr and Lora Carpenter to further review the various scenarios presented to the Board. The Board discussed possible financing terms, assumed project cost, level versus ascending financing options, and the financing mechanism.

**15. Agenda Item 17: Executive Director's Report.**

a) **City of Los Banos Office Project** – Executive Director Federico Barajas reported that the office project will be discussed at the Los Banos City Council meeting November 17, 2021.

b) **December Budget Workshop** – Executive Director Federico Barajas reported that a Budget Workshop will be scheduled for December 14, 2021.

c) **January Meetings** – Executive Director Federico Barajas reported that the Committee meetings, and the Board meeting will be moved to January 10, and January 13, 2022 respectively. Calendar invites forthcoming.



16. **Agenda Item 18: Chief Operating Officer's Report.**

Chief Operating Officer Pablo Arroyave reported that removal of the San Joaquin River temporary barriers (Old River & Middle River) will begin November 8, and likely will cause extra debris at the Tracy Fish Facility, and the Jones Pumping Plant trashracks. Arroyave reported that staff is prepared to assist with the influx of debris.

17. **Agenda Item 19: Update on Water Operations and Forecasts**

Westlands Water District's Tom Boardman reported on Shasta and Folsom storage conditions including the amount of precipitation received in the basins during October. Delta conditions were described as being very fresh with Delta outflow in excess of the D1641 standard. Boardman reported on current CVP and SWP export operations and stated that Banks pumping was off for two days as part of weed spraying at Clifton Court Forebay.

Boardman discussed San Luis storage projection charts and concluded his report stating that a preliminary estimate on 2022 allocation will be possible by mid-November when Reclamation is expected to release an operations plan under 50% exceedance conditions.

18. **Agenda Item 20: Committee Reports.**

- a. **Water Resources Committee** – Chair Tom Birmingham reported that the committee met, and addressed agenda items.
- b. **Finance & Administration Committee** – Chair Rick Gilmore reported that the committee met, and addressed agenda items.
- c. **O&M Committee** – Chair Chris White reported that the committee met in October, and addressed agenda items.

19. **Agenda Item 21: Outside Agency/Organization Reports.**

- a. **State and Federal Contractors Water Agency (SFCWA)**  
Director Rick Gilmore reported that next meeting November 18, 2021
- b. **Family Farm Alliance (FFA)**  
Report included in the packet.
- c. **Farm Water Coalition.**  
Water Policy Director Scott Petersen reported on their work on the Media Monitor, and other projects.
- d. **Association of California Water Agencies**  
Director Bill Diedrich reported on the upcoming ACWA conference.
- e. **San Joaquin Valley Water Blueprint Effort**  
Water Policy Director Scott Petersen reported that the Executive Committee has been working to update the Governance Structure to effectively make the organization function more

effectively. Petersen reported that a Nominating Committee has been nominated to present a slate of recommendations for nominations to the Executive Committee in mid-November.

f. CVPWA

Water Policy Director Scott Petersen reported that they have been actively engaged in the Directives & Standards discussion going now.

20. **Agenda Item 22: Board Member Reports.**

No report.

21. **Agenda Items 23-24: Closed Session Report.**

Chair Cannon Michael adjourned the open session to address the items listed on the Closed Session Agenda at approximately 11:53 a.m. Upon return to open session at approximately 12:40 p.m., Chair Cannon Michael stated that no reportable actions were taken.

22. **Agenda Item 25: Reports Pursuant to Government Code Section 54954.2 (a) (3)**

No reports.

23. **Agenda Item 26: Adjournment.**

The meeting was adjourned at approximately 12:42 p.m.

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SAN LUIS & DELTA-MENDOTA WATER AUTHORITY BOARD  
OF DIRECTORS SPECIAL TELEPHONIC MEETING  
MINUTES FOR NOVEMBER 29, 2021

The Board of Directors of the San Luis & Delta-Mendota Water Authority convened at approximately 2:35 p.m. via teleconference in accordance with Government Code section 54953(e) and Resolution No. 2021-491 adopted by the San Luis & Delta-Mendota Water Authority Board of Directors on November 4, 2021, with Chair Cannon Michael presiding.

**Directors and Alternate Directors in Attendance**

**Division 1**

Anthea Hansen, Director  
Rick Gilmore, Director - Lea Emmons, Alternate

**Division 2**

Michael Linneman, Director - Ara Azhderian, Alternate

**Division 3**

Cannon Michael, Director  
Ellen Wehr, Alternate for Ric Ortega

**Division 4**

Aaron Baker, Alternate for John Varela, Director  
Gary Kremen, Director - Richard Santos, Alternate  
Jeff Cattaneo, Director  
Sara Singleton, Alternate for Joseph Tonascia

**Division 5**

Tom Birmingham, Director,

**Authority Representatives Present**

Federico Barajas, Executive Director  
Pablo Arroyave, Chief Operating Officer  
Rebecca Akroyd, General Counsel  
Scott Petersen, Water Policy Director  
Joyce Machado, Director of Finance  
Stewart Davis, IT Officer

**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.**

General Counsel Rebecca Akroyd noted that Item 2 on the agenda should only allow for corrections, not additions.

**3. Opportunity for Public Comment**

None.

**CONSENT ITEMS**

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4. Board of Directors to Consider Adopting Resolution Re-Ratifying the Proclamation of a State of Emergency by Governor Gavin Newsom (Mar. 4, 2020), Proclaiming the State of Emergency Continues to Directly Impact the Ability of Members of the Legislative Bodies of the San Luis & Delta-Mendota Water Authority to Meet Safely in Person, and Re-Authorizing Remote Teleconference Meetings for Such Legislative Bodies for the Period November 29, 2021 through December 29, 2021 Pursuant to Brown Act Provisions.

Director Tom Birmingham made the motion, seconded by Director Rick Gilmore, for the Board to adopt the Resolution Re-Ratifying the Proclamation of a State of Emergency by Governor Gavin Newsom (March 4, 2020), Proclaiming the State of Emergency Continues to Directly Impact the Ability of Members of the Legislative Bodies of the San Luis & Delta-Mendota Water Authority to Meet Safely In-Person and Re-Authorizing Remote Teleconference Meetings for such Legislative Bodies for the Period November 29, 2021 through December 29, 2021 Pursuant to Brown Act Provisions. The vote on the motion was as follows:

AYES:	Hansen, Gilmore, Linneman, Michael, Wehr, Baker, Kremen, Cattaneo, Singleton, Birmingham
NAYS:	None
ABSTENTIONS:	None

5. Agenda Item 17: Executive Director's Report.

a) December Meetings – Executive Director Federico Barajas reported that the Committee meetings, and the Board meeting are scheduled for next week.

b) December Budget Workshop – Executive Director Federico Barajas reported that a Budget Workshop has been scheduled for December 14, 2021.

Chair Cannon Michael requested that the Board return the Executive Director and General Counsel performance evaluations reviews to HR Director as soon as possible.

6. Agenda Items 23-24: Closed Session Report.

Chair Cannon Michael adjourned the open session to address the items listed on the Closed Session Agenda at approximately 2:42 p.m. Upon return to open session at approximately 3:14 p.m., Chair Cannon Michael stated that no reportable actions were taken.

7. Agenda Item 25: Reports Pursuant to Government Code Section 54954.2 (a) (3)  
No reports.

8. Agenda Item 26: Adjournment.

The meeting was adjourned at approximately 3:15 p.m.

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December 9, 2021

To: Pablo Arroyave, Chief Operating Officer

From: Bob Martin, Facilities O&M Director

Subject: O&M Report for November 2021

### Operations Department

The C.W. "Bill" Jones Pumping Plant (JPP) operated with 1-5 units through November. The average rate of pumping for the JPP was 3,090 cfs for the month of November.

Total pumping at the JPP through November was 188,135 acre-feet. The O'Neill Pump/Generating Plant (OPP) generated 859 acre-feet, and pumped 113,997 acre-feet through November. Delta-Mendota Canal/California Aqueduct Intertie Plant (DCI) pumped 8,773 acre-feet and did not reverse flow from the California Aqueduct into the DMC this month.

The Federal share in the San Luis Reservoir on November 30<sup>th</sup> was 71,850 acre-feet in comparison to the 380,164 acre-feet on November 30<sup>th</sup>, 2020.

During the month of November, releases from Friant Dam ranged from 230 to 470 cfs with no flows entering the Mendota Pool. No flows were sent past the Mendota Dam for the San Joaquin River Restoration Program (SJRRP) during the month of November. SJRRP flows of 100 cfs commenced on November 24<sup>th</sup> and increased to 200 cfs on November 29<sup>th</sup>.

Canal Operations staff performed open channel and closed-pipe flow measurements, routine patrols, bi-weekly meter readings, water samples, well soundings, and meter maintenance during the month. Coordinated flow testing was also conducted with the USBR and Fish & Wildlife in the Volta Wildlife Area during November.

Control Operations staff performed the following switching/clearance placements for the month of November:

- JPP Unit 1; Suction Elbow Inspection
- JPP Unit 1; Motor Rewind and Annual Maintenance
- OPP Unit 3; Unplanned Outage
- DCI Unit 4; Contractor Conduit Inspection
- SGB UZ11A; Bushing Box Investigation
- C-21-JP-66 JU2, Pump BRG
- C-21-JP-67 WAPA Disc. 1121 to PCB 1822, ICC/Western
- C-21-JP-68 UZ8A, Bushing Box Investigation, released

- C-21-JP-69 UZ8A, Surge Arrestor Inspection
- C-21-JP-70 JU1, Accumulator PM

### **Civil Maintenance Department**

The Civil Maintenance crews worked on the following projects this month:

- Support for DMC Check 1 radio repairs
- DMC ROW tree removal
- Drain inlet and overchute cleaning
- Grading and repair of DMC, SLD, and wasteway operating roads
- LBFO & TFO minor facility repairs
- Install security gates and wing fences on DMC
- Garbage collection on DMC and wasteways
- Chemical and mechanical weed control on DMC and SLD
- Installation of stairs and handrails to DMC turnout gates and meters (MP20.43L)
- Maintenance and repairs to float lines, signs, fences, guard rails and gates on DMC

### **Plant Maintenance Department**

The Plant Maintenance crews worked on the following projects this month:

#### **Electrical/C&I Staff:**

- OPP cooling water strainer repairs
- JPP Unit 1 preparation for re-assembly
- DMC check 1 radio repairs
- OPP Unit 3 final assembly and testing
- JPP protective relay testing
- DMC check electrical PM
- LBFO well pump electrical wiring repairs

#### **Mechanical Staff:**

- JPP Unit 1 Rewind: NEC returned 11/29
- JPP Unit 1 thrust tub and bearing assembly
- JPP cooling water strainer rebuild
- JPP sandblast & painting
- OPP Unit 3 final assembly and testing complete
- JPP Unit 1 thrust bearing cooling coils descaled, cleaned and replaced
- JPP Unit 1 thrust shoes installed in preparation for re-assembly

### **USBR Support Services**

Water Authority crews performed no work at USBR facilities this month.

### **Engineering Department**

The Engineering staff worked on the following projects this month:

- JPP Unit 1 Rewind Project, including thrust bearing inspection and repairs
- JPP Unit 4 Rewind Project
- JPP switchgear buildings relay settings update
- DMC MP115.90 flowmeter evaluation
- Upper DMC 3G to 4G communication upgrades
- Data management of well readings and creation of Warren Act hydrographs
- TFCF secondary channel equipment support
- OPP oil tanks removal
- OPP electrical drawings update

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- JPP industrial water settling basin repair
- TFO canal maintenance yard storm drainage design
- JPP Asphalt repair design
- O&M PM setup and asset management in NetSuite
- OPP Unit 3 support for assembly and commissioning
- TFO breaker modifications per JPP Arc Flash 2018
- OPP cooling water system rehabilitation
- UZ11A fault incident and bushing box inspection
- UZ8A and UZ6A bushing box inspection and modifications
- JPP 13.8KV switchgear drawings update
- Development of abandonment standards
- DMC Subsidence Correction Project feasibility study RFP
- OPP concrete wall cracks monitoring.

### **Land Management Activity Summary**

The Engineering staff issued one (1) amendment to an existing access permit this month:

- Access permit P2202023 was amended to reflect a new expiration date of December 1, 2021, issued to PG&E to conduct soil sampling for a future project to relocate the existing above ground pipeline near Milepost 92.23-R.

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

- Orestimba Creek Recharge Project
- Santa Nella WD Sewer and Water Crossing
- Costco Annexation Project, Tracy, CA
- City of Patterson – Sperry Road developments & Baldwin Ranch comments
- International Parkway Bridge Replacement, PROLOGIS -Tracy, CA – Plan review and provided comments
- PG&E pipeline relocation @ MP92.73 – ongoing
- PID MP42.51 plan review and approval

### **Safety Department**

The Safety Department worked on the following items this month:

- Provided job hazard analysis support for the crews
- Conducted Weekly Safety Tailgate talks with maintenance and operations crews
- Sent out Weekly Safety Tailgate topics – 11-1 Power Tool Safety, 11-2 Machine Shop Safety , 11-3 Sprains and Strains Prevention, 11-4 Fire Extinguisher, 11-5 Ladder Safety
- Provided safety message for November monthly newsletter – 11/2021 Holiday Safety
- Conducted new hire safety orientation for Matt Thomas and Gloria Badillo

### **Work & Asset Management Department**

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

#### **Contracts/PO Agreements/LOA's Status Update**

- F22-OPP-059 - OPP Main Transformer Rehabilitation solicitation document development in progress. Estimated release date is planned for February/March 2022.

- F22-JPP-060 - JPP Unit 1 Thrust Collar and Bearing Repairs - Emergency Contract. Work still in progress.
- F22-OPP-062 - OPP Transformer Oil Tank Removal – Tanks removed Tuesday November 30
- F22-LBFO-063 - Pesticide Supply Contract – Nutrien has delivered the majority of chemicals per our contract
- F22-DMC-065- Feasibility Study RFP was released on November 19, due by January 11, 2022
- F22-ALL-066- Annual and 5 year tests Fire Sprinkler Testing- Johnson Controls was awarded the contract and inspections being scheduled
- F22-DMC-068 O'Neill Pumping Plant Cathodic Protection System- Bids received on December 1, pending contract award
- F22-DMC-069 Cellular Gateway Migration- Under contract with Volo, pending scheduling

#### 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
- Janitorial cleaning & disinfecting per COVID-19 guidelines
- Contract Management/Administration Activities, including bi-weekly contract update meetings with Engineering Staff
- Developing/implementing purchasing/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
- Continuous testing for improvements to procedures in NetSuite, as well as ongoing issues related to NetSuite constraints

#### Information Technology Department

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

- NetSuite
  - Online training, User and Administration
  - Bi-weekly Implementation Team meetings
- Continuing support for our "Work at Home" users
- Assist with November FAC, WRC and BOD meetings with Zoom
- Desktop support calls
- Email server upgrade preparations- Vendor SOW
  - Hardware received and racked / Vendor installing exchange
- Planning for server refresh
- Planning for laptop refresh
- Planning process to evaluate upgrading/replacing copiers
- Continued upgrade of Symantec Anti-Virus Management Console, pushed new version to additional users
- Assisted SCADA with 3g to 4g cell migration for DMC check structures
- Prepared workstations for deployment for two new employees



- Prepared laptop for SCADA Tech to replace failing unit.
- Completed security updates on Servers
- Updated Firmware on both CORE switch and Firewall

### **Human Resources Department**

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

#### **General Administrative Activities:**

- Recruitments:
  - Heavy Equipment Operator, Tracy (continued recruitment)
  - Hydro Electric Electrician, Tracy (continued recruitment)
  - Plant Engineer, Tracy (continued recruitment)
  - SCADA Engineer, (continued recruitment)
  - O&M Manager (internal candidate selected)
  - Equipment Mechanic, Los Banos (internal candidate selected)
  - Weed Specialist, Los Banos (internal candidate selected)
- New Hire Orientations
- Background checks for PIV cards (continuing)

#### **Trainings/ Conferences:**

- Remain up to date with webinars to ensure compliance with new legislation as it pertains to COVID-19
- CPR Training
- Cyber Security Training (all staff being scheduled for training)
- Harassment Prevention Training (staff being scheduled for bi-annual training)

#### **Government Reporting:**

- Merced County Public Health COVID Reporting (on-going)
- EEO-4 reporting (working on)
- Affirmative Action reporting (working on)

#### **Ongoing:**

- COVID Protocols
- FMLA notices/follow ups
- COBRA notices/follow ups
- Worker's Comp follow ups
- Monthly safety points distribution
- Health benefits eligibility/employee assistance
- Maintain OSHA logs for calendar year
- Wellness program

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## **EXTRAORDINARY O&M & CAPITAL PROJECTS**

### **DELTA-MENDOTA CANAL (DMC)**

#### **Bridge Abutment Repair at MP 92.73**

Status: The abutment repair is on hold until PG&E relocates the pipeline. The 6-inch pipe owned by PG&E that crosses under the bridge, adjacent to the abutment, is the main transmission line for the City of Dos Palos. All parties have agreed that it would be a safety hazard to conduct work with the gas line in place, and PG&E is currently planning to remove the existing pipeline from the bridge and HDD install a new pipeline under the canal. PG&E has performed geotechnical explorations to support their design effort and plan for the 30% design review in January. PG&E, Water Authority, and Reclamation are meeting monthly to keep the project moving forward.

#### **DMC Subsidence Correction Project**

Status: Currently, the main focus of the DMC Subsidence Correction Project is the completion of the Feasibility Report. SLDMWA is working closely with Reclamation to complete the tasks identified in the Cooperative Agreement that was executed on 9/24/2021 after acquiring Board approval. Phase 1 Geotechnical work has been completed and funding will be reimbursed as a preincurred task identified in the Cooperative Agreement. SLDMWA completed the Feasibility Study Request for Proposals and posted publically on November 19<sup>th</sup>. The RFP includes Cultural and Environmental efforts in addition to the Feasibility Report. All proposals are due January 11<sup>th</sup>, with the Notice of Award scheduled after the February 10, 2022 Board Meeting. The deliverable of the Feasibility Report is expected to be completed in approximately one year, with certain environmental permitting extending longer.

The SLDMWA is providing support to Reclamation as they manage the construction contract with Unico Services to install the two additional pumps at the DMC/CA Intertie Pumping Plant (DCI). Mobilization is scheduled to occur on January 3<sup>rd</sup>, with a project completion date of February 14.

#### **DMC Turnout Flowmeter Upgrade Program – Phase 2**

Status: Phase 2 is underway. The Authority is working with McCrometer on the contract creation, which will include the purchase of 62 flowmeters equipped with telemetry through the Authority's sole source procedure. The contract is expected to be executed after the January board meeting. Final delivery of meters is expected by Fall 2022.

#### **DMC O&M Road Maintenance Program, Phase 1 of 10**

Status: All site work has been completed, and the final payment to Talley Oil Inc. is being processed.

## **EXTRAORDINARY O&M & CAPITAL PROJECTS**

### **C.W. "BILL" JONES PUMPING PLANT (JPP)**

#### **JPP Excitation Cabinet & Control Panel Refurbishment (FY2018 Project)**

Status: Site visit was completed in March by USBR Denver Office staff to evaluate the installation plans for the project. Additional funds have been requested to complete the project.—The WA processed additional funds to the USBR for engineering on this project to continue in November and we are awaiting an updated schedule.

#### **JPP Unit No. 5 Rewind**

Status: Project is complete. The final invoice has been approved by Reclamation and partial payment was received in July. Reclamation has funds for final payment, and is beginning the paperwork process to complete the final payment.

#### **JPP Unit No. 1 Rewind**

Status: The stator rewind is complete and has been tested. There was a delay with the rotor field poles being overhauled at the NEC factory which resulted in a 3 month contract delay. NEC returned to the site on 11/29/2021 to install the rotor field poles and complete their work. The updated schedule has Unit 1 returning to service on 1/25/2022. The previous return to service date was 11/19/2021. Performance testing is tentatively scheduled for January 31 – Feb 4. The thrust bearings, upper guide bearing, thrust runner and pump bearing were all sent to Kingsbury Inc. in Yuba City for repair. The thrust shoes and adjustment screws are complete and have been picked up. The thrust runner has been manufactured new and the upper guide and pump bearings rebabbitted. The remaining work is complete and is being inspected November 30. The parts will be packaged and transported back to the JPP on December 1, and the parts will be prepped for reinstallation prior to NEC handing the pump over to the Authority.

#### **JPP Unit No. 4 Rewind**

Status: Due to steel shortages and price increases in Europe, the Water Authority issued the Notice to Proceed and initial payment early for the Unit 4 Rewind in June and materials were successfully secured. The schedule for Unit 4 has been adjusted accordingly due to the Unit 1 delay. Disassembly by Authority staff is scheduled to begin February 21, 2022, previously December 9, 2021. A pre-teardown vibrational study is being scheduled to be performed by Bently Nevada in early January, to provide comparison data for the post-rewind vibration study. All of the laminations for Unit 4 were manufactured in November and are scheduled to be shipped from Poland on December 6, 2021.

## **EXTRAORDINARY O&M & CAPITAL PROJECTS**

### JPP/OPP/DCI Fire Protection Systems Assessment

Status: Water Authority awarded a contract to FRA to perform a systems assessment in January 2021. The site surveys and exchange of documents are complete. Final reports have been received and engineering is currently preparing an implementation plan. Engineering estimates provided by the consultant total \$500K. Anticipate EO&M construction projects for FY24, as Reclamation will likely want to review the modifications to their facilities.

### JPP Wear Ring Purchase

Status: No activity this month.

### **O'NEILL PUMPING/GENERATING PLANT (OPP)**

#### Main Transformers Rehabilitation/Replacement Project

Status: Completed data collection, design, and technical specifications. Latest oil test results were reviewed by TSC and confirmed that postponing the rehabilitation project a year is acceptable, and recommended to continue closely monitoring the oil condition. Currently working on finalizing the RFP and will continue to monitor the transformers' oil test results. Planned release of RFP to be in April 2022 and construction tentatively scheduled around April 2023.

#### Arc Flash Hazard Analysis, Facility Rating, & Protective Relays Reviews (Electrical Equipment Periodic Reviews)

Status: The Facility Rating Review has been received. The personal protective grounds were upgraded per recommendations from the Facility Rating Review. Performed an inspection of the Unit Buses. A report of the findings will be provided to TSC per recommendation. The Arc Flash Hazard Analysis and Protective Relays Review are still pending.

#### Pump Bowl Modification (Design and USBR Approval)

Status: Water Authority is pursuing obtaining the replacement pump bowl design and construction from Pentair, the original manufacturer of the pump, with the intent of receiving one bowl per year beginning in FY23. An LOA will be established with the BOR to review and approve Pentair's design.

#### Penstock Cathodic Protection System Replacement

Status: Specification and design completed by JDH Corrosion Consultants. Formal solicitation for the construction contract issued November 1. Bids due back for evaluation on December 1.

## ***EXTRAORDINARY O&M & CAPITAL PROJECTS***

### **UPS Battery Charging System Replacement**

Status: No activity this month. Installation is to be timed concurrent with the outage for the transformer rehabilitation at OPP (April/May 2023). Equipment purchase for this job will occur 6 months prior to the transformer project starting.

### **TRACY FACILITIES (TFO)**

#### **TFO Domestic Water Treatment Plant Replacement**

Status: Water quality testing occurred in November and we are awaiting results. The drainage design has been completed, with construction to be completed by Authority staff.

### **MULTIPLE FACILITIES: TFO/LBFO/DCI**

#### **Arc Flash Hazard Analysis**

Status: Received the project management plan from TSC and the letter of agreement draft from Reclamation Tracy Office. Site work is tentatively scheduled for June/July 2022.

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# STAFF MEMORANDUM

TO: Board Members and Alternates

FROM: Scott Petersen, Water Policy Director

DATE: December 9, 2021

RE: Update on Science Program

## SUMMARY

The San Luis & Delta-Mendota Water Authority's ("Water Authority") current science commitments for Fiscal Year 22 (March 1, 2021 – February 28, 2022) may be considered in three categories. First, the Water Authority re-budgeted \$245,252 in the current budget to fund eight activities and/or studies previously authorized to be funded. Second, the Water Authority began the year with approximately \$4,628 in funds remaining from the State and Federal Contractors Water Agency ("SFCWA") to fund one study initially authorized by SFCWA and transferred to the Water Authority for funding and management. Third, the Water Authority has budgeted \$450,000 in the current budget for science studies. More detail regarding the various science commitments is provided below. In total, the Water Authority started the current fiscal year with approximately \$924,089 available to fund science, of which \$644,089 has been obligated.

### 1. Previous Commitments - \$245,252 in FY 22 Budget

Subject	Description of Work / Objective(s)	FY 22 Budget
Delta Coordination Group Summer Fall Habitat Action Structured Decision Making Facilitation Support	Funds support facilitation and assistance with Delta Coordination Group Structured Decision Making for Delta Coordination Group recommendations to Reclamation and DWR related to Summer Fall Habitat Actions in the Biological Opinions and State Incidental Take Permit	\$21,000
Joint Funding of Delta Smelt Structured Decision Making Phase 3	This funding would support management and technical analyses required to conduct Phase 3 for the CSAMP Delta Smelt Structure Decision Making (SDM) project. Technical analyses would include modeling and the application of other analytical tools to evaluate the consequences of proposed management actions for Delta Smelt as well as the evaluation of potential consequences to other resource values including water supply and	\$30,000

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	agriculture. Phase 3 is scheduled to occur from September 2020 to September 2021.	
Joint Funding for Hanson Environmental as CAMT Technical Support	This funding would support continued CAMT participation by Dr. Charles Hanson through a contract with the State Water Contractors. Dr. Hanson assists in the development of various workplans and products, including Charters, presentations, whitepapers, and other materials to support collaborative science.	\$30,000
Development of eDNA monitoring tool for detection of Delta Smelt	Goal to develop an accepted eDNA monitoring tool for species detection in tidally mixed aquatic ecosystems in the Delta, and to advance eDNA aquatic monitoring towards a state-of-science that can be applied in the context of scientific, policy, and regulatory decision-making	\$63,000
Sacramento-San Joaquin Delta Following Pilot Evapotranspiration Monitoring Program	Study between April 1, 2018 and September 30, 2018 of consumptive use on between 2,000 and 4,000 acres in the legal Delta during the 2018 irrigation season. Goal to identify a method of reliable measurement of the reduction in consumptive use associated with temporary crop idling on lands within the legal Delta.	\$7,000
Interior Delta Export Effects Study	Study of specific data gaps related to export operation effects on juveniles salmonids. Goal to fill information gaps on juvenile salmonid survival in the south Delta to update salmonid loss models, optimize survival for salmonids near salvage facilities, and support water reliability through enhanced coordinated operations.  Last year, the Study didn't receive its anticipated Proposition 1 grant to go to scale, so Authority funding provided for the study to continue and provide capacity for a grant application for the recent Proposition 1 grant funding notification, which was recently awarded.	\$25,000
Delta Smelt Incidental Take Limit Research	Funds support the evaluation of differences in salvage between pre- and post-BiOp conditions and the determination of how much variance in salvage can be explained by each of the predictor variables. Support provided to ICF Jones & Stokes, Inc., through a cost share with SWC.	\$14,252
CAMT Facilitation	Funds support facilitation and assistance with CAMT and CSAMP meetings. Main contracts with Essex Partnership (Bruce DiGennaro) and Hansen Environmental (Chuck Hansen) held by SWC.	\$55,000

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**2. SFCWA-Funded Studies Being Managed by the Water Authority - \$4,628 Remaining**

<b>Subject</b>	<b>Description of Work / Objective(s)</b>	<b>SFCWA Funds Remaining</b>
Measuring Impact of Control of yellow Starthistle in the Northern Sac. Valley and Superior California on Watershed Runoff and Groundwater Levels	Study of the water benefits of yellow Starthistle (YST) control. If there appears to be replicable water supply benefit from YST removal, will prepare plan of recommended YST removal in California that results in increased runoff and/or improved groundwater levels.	\$4,628

**3. New Science - \$450,000 in FY 22 Budget**

<b>Subject</b>	<b>Description of Work / Objective(s)</b>	<b>FY 22 Budget</b>
Science Studies/Efforts		\$450,000
None Approved to date	None approved to date	--

**FUTURE SCIENCE PROGRAM DIRECTION**

The recently released federal Biological Opinions require annual scientific review of the Reasonable and Prudent Measures scientific panel review in years 4 and 8 of the implementation of the Biological Opinions.

It is anticipated that increased engagement on scientific studies to prepare sufficient scientific bodies of knowledge on the adaptive management provisions of the new biological opinions will be necessary from public water agencies in order to adequately prepare for the 4- and 8-year scientific review of the implementation of the new Biological Opinions. Staff is coordinating with CSAMP/CAMT, as well as Reclamation, NOAA Fisheries and U.S. FWS to determine anticipated annual scientific investments necessary to prepare for the scientific panels.

Authority staff is planning to focus on key areas for the 2021 and future budgets, in order to assist in the development of a more coordinated science strategy between public water agencies and state and federal agencies who fund the scientific enterprise. Specifically, these recommended areas are:

- Technical Support for Authority Engagement in Regulatory Processes
- Steelhead Monitoring and Protection
- Delta Smelt Structured Decision Making Scientific Expertise
- CSAMP/CAMT Support
- Delta Coordination Group Support
- Development of Voluntary Agreement Science Plan

- Permit Streamlining

### **Technical Support for Authority Engagement in Regulatory Processes**

The Authority has need of additional biological expertise to provide comments and a higher level of engagement with regulatory entities, including the State Water Resources Control Board, NOAA Fisheries, the U.S. Fish and Wildlife Service, California Department of Fish and Wildlife and others. Specifically, Authority staff is proposing to issue an RFQ for scientific and biological support services and to establish contracting authority with a number of consultants for on-demand services centered on the areas of expertise of the respective consultant and staffing availability.

### **Steelhead Monitoring and Protection**

The status of steelhead population trends continues to pose a threat to water supply reliability for south-of-Delta Central Valley Project contractors. Significant data gaps exist in the scientific body of knowledge regarding steelhead, including a method for estimating population levels and continued support of the I/E ratio in state level regulatory proposals. Steelhead species receive less funding than other scientific research, indicating an opportunity where the Authority could add value to the scientific enterprise. Specifically, there is a need for better data analysis and synthesis for steelhead.

### **Delta Smelt Structured Decision Making Scientific Expertise**

Compass Resources, who manages the Delta Smelt Structured Decision Making process, has identified a need for a biologist for biological resource support, including literature searches that would better inform the SDM process. The Authority and the State Water Contractors are jointly funding this expertise.

### **CSAMP/CAMT Support**

The Authority has remained engaged in CSAMP/CAMT and has jointly funded facilitation support, technical support and scientific studies related to management actions associated with project operations.

### **Delta Coordination Group Support**

Authority staff is a member of the Delta Coordination Group (DCG), a group formed this year pursuant to Reclamation's Proposed Action and the Incidental Take Permit for the Coordinated Operations of the Central Valley Project and State Water Project. The DCG is charged with providing recommendations to Reclamation/DWR pertaining to Summer-Fall Habitat Actions for delta smelt.

### **Development of Voluntary Agreement Science Plan**

The Authority has previously funded facilitation of the Governance, Science and Adaptive Management Working Group and staff is proposing to continue that commitment through contributing funds for the development of the Science Plan for implementation of the Voluntary Agreements.

## Current Project Use Energy (PUE) Annual Allocation Process

Reclamation determines load for each facility that utilizes PUE by meters at each facility (total of 183 meters)

### Allocation Process

Prior to new Fiscal Year Reclamation estimates total PUE expenses and estimate load for each meter for the upcoming year.

### Total PUE Expenses include:

- WAPA/Reclamation administrative
- WAPA O&M of Transmission System
- Hydro Power generation
- Power Marketing
- CAISO Transmission Assess Charge (TAC)
- Scheduling Agent
- All other expenses

Example for FY19

WAPA -	\$ 70,135,487
Reclamation-	\$ 55,551,261
Total =	\$ 125,686,749

### Meter/Load Data

- Estimate each meter's load use for the upcoming year to determine estimated
- Calculate percentage of load for each meter- Load for meter/total load.

### Allocate PUE Expenses to Each Meter

- (Each meter's percentage of total load) x (total PUE expenses)

Example-

- FY 19 (75% Ag Allocation) –
 

JPP Load-	566,229,000 kwh
Total Load	1,157,347,266 kwh

## **Preliminary SLTP Collection and Payment Process**

- SLDMWA invoices WAPA with copy to USBR for annual rate minus estimated revenue
- Reclamation uses the invoice amount to include in their PUE expense allocation to all meters.
- Reclamation invoices SLDMWA its share of the PUE with SLTP as a separate line item.
- Reclamation incorporates the remaining SLTP cost in PUE rates for CVP Contractors including direct pumpers to be paid based on deliveries for that year.
- WAPA will invoice USBR equal monthly payments.
- Reclamation pays WAPA equal monthly payments based on invoice.
- WAPA pays SLDMWA equal monthly payments. Invoices will be sent by the first of each month and WAPA will pay within 30 days. WAPA will be required to pay per the TSA whether USBR makes payment to WAPA or not.
- SLDMWA will receive WAPA payment by the end of each month and will make annual debt payment on October 15 and April 15.

SLLDMWA SLTP  
Discount Rate

5.00%

Period	Receipt of Revenue	TAC	35YR. Asc.	Net DS	Difference
2023		7,775,251.63			
2024		8,277,016.17			
2025		8,815,964.70			
2026		9,394,996.23			
2027		10,017,239.69	6,562,000.75	412,000.75	9,605,238.94
2028	6,150,000.00	10,686,072.24	13,124,001.50	6,881,751.50	3,804,320.74
2029	6,335,883.75	11,405,139.11	13,124,001.50	6,788,117.75	4,617,021.36
2030	6,430,922.01	12,178,374.97	13,124,001.50	6,693,079.49	5,485,295.47
2031	6,527,385.84	13,010,026.99	13,124,001.50	6,596,615.66	6,413,411.33
2032	6,625,296.62	13,904,679.85	13,889,001.50	7,263,704.88	6,640,974.97
2033	6,724,676.07	14,867,282.61	14,849,953.00	8,125,276.93	6,742,005.68
2034	6,825,546.21	15,903,177.84	15,883,885.00	9,058,338.79	6,844,839.06
2035	6,927,929.41	17,018,133.02	16,996,480.00	10,068,550.59	6,949,582.43
2036	7,031,848.35	18,218,374.44	18,197,454.00	11,165,605.65	7,052,768.79
2037	7,137,326.07	19,510,623.89	19,490,752.00	12,353,425.93	7,157,197.96
2038	7,244,385.97	20,902,138.16	20,879,640.00	13,635,254.03	7,266,884.12
2039	7,353,051.75	22,400,751.80	22,376,665.00	15,023,613.25	7,377,138.56
2040	7,463,347.53	24,014,923.30	23,988,291.00	16,524,943.47	7,489,979.83
2041	7,575,297.74	25,753,784.84	25,724,986.00	18,149,688.26	7,604,096.59
2042	7,688,927.21	27,627,196.19	26,418,097.50	18,729,170.29	8,898,025.90
2043	7,804,261.12	29,645,802.76	26,420,227.50	18,615,966.38	11,029,836.38
2044	7,921,325.03	31,821,098.43	26,422,577.50	18,501,252.47	13,319,845.96
2045	8,040,144.91	34,165,493.29	26,420,570.00	18,380,425.09	15,785,068.20
2046	8,160,747.08	36,692,386.88	26,419,070.00	18,258,322.92	18,434,063.96
2047	8,283,158.29	39,416,247.23	26,422,387.50	18,139,229.21	21,277,018.02
2048	8,407,405.66	42,352,696.25	26,419,660.00	18,012,254.34	24,340,441.91
2049	8,533,516.75	45,518,601.94	26,420,370.00	17,886,853.25	27,631,748.69
2050	8,661,519.50	48,932,178.00	26,418,655.00	17,757,135.50	31,175,042.50
2051	8,791,442.29	52,613,091.32	26,418,825.00	17,627,582.71	34,985,708.61
2052	8,923,313.93	56,582,578.19	26,420,017.50	17,496,703.57	39,085,874.62
2053	9,057,163.64	60,863,569.73	26,421,370.00	17,364,206.36	43,499,363.36
2054	9,193,021.09	65,480,827.32	26,422,020.00	17,228,998.91	48,251,828.41
2055	9,330,916.41	70,461,088.95	26,421,105.00	17,090,188.59	53,370,900.36
2056	9,470,880.15	75,833,227.22	26,417,762.50	16,946,882.35	58,886,344.88
2057	9,612,943.36	81,628,419.97	13,209,841.25	3,596,897.89	78,031,522.08
2058	9,757,137.51	87,880,334.57			87,880,334.57
2059	9,903,494.57	94,625,326.98			94,625,326.98
2060	10,052,046.99	101,902,656.65			101,902,656.65
2061	10,202,827.69	109,754,718.74			109,754,718.74
2062	10,355,870.11	118,227,294.76			118,227,294.76
<b>TOTAL</b>	<b>\$290,747,210.62</b>	<b>\$1,596,078,786.83</b>	<b>\$660,847,670.50</b>	<b>\$420,371,836.74</b>	<b>\$1,141,443,721.37</b>
<b>NPV Cost / Savings</b>	<b>\$123,861,770.70</b>	<b>\$442,887,249.02</b>	<b>\$298,567,399.75</b>	<b>\$184,283,905.40</b>	<b>\$317,270,318.69</b>
<b>NPV % Savings</b>					<b>20%</b>
<b>Break-even</b>					<b>2027</b>

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**San Luis Transmission Project (SLTP)**  
 Impact on SLDMWA PUE Rates - ILLUSTRATION ONLY  
 Using Actual WY18 Deliveries/PUE Cost (50% Ag Allocation)

BOD 12.9.21

	TAC	DS	Net DS	JPP Power	O'Neill Direct Power	O'Neill Storage Power	Dos Amigos Power
<b>FY28 Totals</b>	\$ 10,686,072	\$ 13,124,002	\$ 6,881,752				
<b>FY28 SLDMWA Allocated Share</b>	\$ 7,693,972	\$ 9,449,287	\$ 4,954,867				
PUE Cost/AF (Includes TAC and withOUT SLTP)	\$ 9.36	\$ 1.98	\$ 0.10	\$ 9.36	\$ 1.98	\$ 0.10	\$ 5.73
PUE Cost/AF (Excludes TAC and includes SLTP)	\$ 9.97	\$ 2.13	\$ 0.11	\$ 9.97	\$ 2.13	\$ 0.11	\$ 6.16
PUE Cost/AF (Excludes TAC and includes both SLTP and Revenue Offset)	\$ 8.40	\$ 1.75	\$ 0.09	\$ 8.40	\$ 1.75	\$ 0.09	\$ 5.07

<b>FY32 Totals</b>	\$ 13,904,680	\$ 13,889,002	\$ 7,263,705				
<b>FY32 SLDMWA Allocated Share</b>	\$ 10,011,369	\$ 10,000,081	\$ 5,229,868				
PUE Cost/AF (Includes TAC and withOUT SLTP)	\$ 10.16	\$ 2.18	\$ 0.11	\$ 10.16	\$ 2.18	\$ 0.11	\$ 6.29
PUE Cost/AF (Excludes TAC and includes SLTP)	\$ 10.16	\$ 2.18	\$ 0.11	\$ 10.16	\$ 2.18	\$ 0.11	\$ 6.29
PUE Cost/AF (Excludes TAC and includes both SLTP and Revenue Offset)	\$ 8.50	\$ 1.78	\$ 0.09	\$ 8.50	\$ 1.78	\$ 0.09	\$ 5.14

<b>FY42 Totals</b>	\$ 27,627,196	\$ 26,418,098	\$ 18,729,170				
<b>FY42 SLDMWA Allocated Share</b>	\$ 19,891,581	\$ 19,021,030	\$ 13,485,003				
PUE Cost/AF (Includes TAC and withOUT SLTP)	\$ 13.60	\$ 3.01	\$ 0.15	\$ 13.60	\$ 3.01	\$ 0.15	\$ 8.68
PUE Cost/AF (Excludes TAC and includes SLTP)	\$ 13.29	\$ 2.93	\$ 0.14	\$ 13.29	\$ 2.93	\$ 0.14	\$ 8.47
PUE Cost/AF (Excludes TAC and includes both SLTP and Revenue Offset)	\$ 11.37	\$ 2.47	\$ 0.12	\$ 11.37	\$ 2.47	\$ 0.12	\$ 7.13

NOTES:  
 SLTP Cost @ \$317M and ascending debt service of min \$13M/Yr and max \$26.5M/Yr  
 Fiscal Year (FY) Totals above are from Fieldman, Rolapp & Associates, Inc. 10/29/21 SLTP Project Analysis

FY = SLDMWA Fiscal Year  
 TAC = Transmission Access Charges  
 DS = Debt Service  
 Net DS = Net Debt Service (Debt Service with Revenue Offset)  
 JPP = Jones Pumping Plant

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