



Bay-Delta Committee

L. Ackerman, Chair
S. Faessel, Vice Chair
R. Apodaca
R. Atwater
S. Blois
G. Cordero
M. Hogan
C. Kurtz
R. Lefevre
T. McCoy
J. Morris
J. Murray Jr.
G. Peterson
B. Pressman
H. Repenning

Bay-Delta Committee

Meeting with Board of Directors *

July 27, 2021

10:30 a.m.

**Tuesday, July 27, 2021
Meeting Schedule**

08:30 a.m. - IRP
10:30 a.m. - Bay-Delta
11:30 a.m. - Break
12:00 p.m. - Exec
12:30 p.m. - A&E
01:30 p.m. - Sp. OP&T

Live streaming is available for all board and committee meetings on our mwdh2o.com website ([Click to Access Board Meetings Page](#))

Public Comment Via Teleconference Only: Members of the public may present their comments to the Board on matters within their jurisdiction as listed on the agenda via teleconference only. To participate call (404) 400-0335 and use Code: 9601962.

* The Metropolitan Water District's meeting of this Committee is noticed as a joint committee meeting with the Board of Directors for the purpose of compliance with the Brown Act. Members of the Board who are not assigned to this Committee may participate as members of the Board, whether or not a quorum of the Board is present. In order to preserve the function of the committee as advisory to the Board, members of the Board who are not assigned to this Committee will not vote on matters before this Committee.

1. Opportunity for members of the public to address the committee on matters within the committee's jurisdiction (As required by Gov. Code Section 54954.3(a))

**** CONSENT CALENDAR OTHER ITEMS -- ACTION ****

2. CONSENT CALENDAR OTHER ITEMS - ACTION

- A. Approval of the Minutes of the meeting of the Bay-Delta Committee held on June 22, 2021 [**21-309**](#)

Attachments: [07272021 Bay-Delta 2A draft minutes](#)

3. CONSENT CALENDAR ITEMS - ACTION

None

**** END OF CONSENT CALENDAR ITEMS ****

4. OTHER BOARD ITEMS - ACTION

None

5. BOARD INFORMATION ITEMS

None

6. COMMITTEE ITEMS

- a. Presentation regarding Sacramento Regional County Sanitation District External Presenter: Prabhakar Somavarapu, District Engineer [21-307](#)

Attachments: [07272021 Bay-Delta 6a Presentation.pdf](#)

- b. Update on Delta Conveyance [21-308](#)

Attachments: [07272021 Bay-Delta 6b Presentation.pdf](#)

7. MANAGEMENT REPORTS

- a. Bay-Delta Management Report [21-310](#)

Attachments: [07272021 Bay-Delta 7a Report](#)

8. FOLLOW-UP ITEMS

None

9. FUTURE AGENDA ITEMS

10. ADJOURNMENT

NOTE: This committee reviews items and makes a recommendation for final action to the full Board of Directors. Final action will be taken by the Board of Directors. Agendas for the meeting of the Board of Directors may be obtained from the Board Executive Secretary. This committee will not take any final action that is binding on the Board, even when a quorum of the Board is present.

Writings relating to open session agenda items distributed to Directors less than 72 hours prior to a regular meeting are available for public inspection at Metropolitan's Headquarters Building and on Metropolitan's Web site <http://www.mwdh2o.com>.

Requests for a disability related modification or accommodation, including auxiliary aids or services, in order to attend or participate in a meeting should be made to the Board Executive Secretary in advance of the meeting to ensure availability of the requested service or accommodation.

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

MINUTES

BAY-DELTA COMMITTEE

June 22, 2021

Committee Chair Ackerman called the teleconference meeting to order at 10:36 a.m.

Members present: Chair Ackerman, Vice Chair Faessel, Directors Apodaca, Atwater, Blois, Cordero, Kurtz, Lefevre, Morris, Peterson, and Pressman.

Members absent: Directors Hogan, McCoy, Murray, Jr., and Repenning.

Other Board Members present: Chairwoman Gray, Directors Abdo, Butkiewicz, De Jesus, Dick, Erdman, Fellow, Jung, Luna, Record, Smith, Tamaribuchi, and Williams.

Committee Staff present: Arakawa, Horton, Kightlinger, Upadhyay, Winn, and Zinke.

1. OPPORTUNITY FOR MEMBERS OF THE PUBLIC TO ADDRESS THE COMMITTEE ON MATTERS WITHIN THE COMMITTEE'S JURISDICTION

Caty Wagner, Sierra Club California, indicated that the presentation on the tribes would be more effective if there were actual members of the tribe participating or contributing. Ms. Wagner encouraged the Committee to reach out to the leaders of the tribes independent from California Department of Water Resources (DWR).

Charming Evelyn, Sierra Club Water Committee, Environmental and Social Justice Committee, supported the previous speaker's comments.

Lydia Ponce, American Indian Movement, Quechua, also admonished Metropolitan for not having indigenous people included in the meeting.

CONSENT CALENDAR OTHER ITEMS – ACTION

2. CONSENT CALENDAR OTHER ITEMS -- ACTION

A. Approval of the Minutes of the Meeting of the Bay-Delta Committee held on April 27, 2021

3. CONSENT CALENDAR ITEMS – ACTION

None

Director Lefevre made a motion, seconded by Director Morris to approve the consent calendar consisting of item 2A:

The vote was:

Ayes: Directors Ackerman, Apodaca, Atwater, Blois, Cordero, Faessel, Kurtz, Lefevre, Morris, and Peterson.

Noes: None

Abstentions: None

Absent: Directors Hogan, McCoy, Murray Jr., Pressman, and Repenning.

The motion passed by a vote of 10 ayes, 0 noes, 0 abstentions, 5 absent.

END OF CONSENT CALENDAR ITEMS

4. OTHER BOARD ITEMS – ACTION

None

5. BOARD INFORMATION ITEMS

None

6. COMMITTEE ITEMS

- a. Subject: Presentation of Delta Conveyance Tribal Consultations
External Presenter: Anecita Agustinez, DWR Tribal Policy Advisor

Presented by: Steve Arakawa, Bay-Delta Initiatives Manager

Mr. Arakawa introduced our guest speaker, and provided information about her background.

Ms. Agustinez shared the status of the DWR engagement and consultation with California Native American Tribes in connection with the Delta Conveyance Project (DCP) by referring to state consultation policies, noting tribal participation in the DCP consultation process, discussing tribal concerns, and describing tribal cultural resources.

Committee Chair Ackerman thanked Ms. Agustinez for her detailed presentation.

The following Directors provided comments or asked questions:

1. Smith
2. Cordero

Ms. Agustinez responded to the Directors' questions.

- b. Subject: Update on Delta Conveyance Planning
Presented by: Nina Hawk, Bay-Delta Initiatives Policy Manager
- Ms. Hawk thanked the guest speaker for her presentation, and provided updates on recent meetings held by the Delta Conveyance Design and Construction Authority. She also discussed information on the April 2021 Stakeholder Engagement Committee meeting, which included DWR's Environmental Justice Survey results and Delta Conveyance Community Benefits Program Workshop summary meeting results.
- Due to time constraints, Committee Chair Ackerman suggested that the Committee contact Steve Arakawa or Nina Hawk with any questions or comments that they may have regarding the presentation.
- c. Subject: Overview of Metropolitan's Bay-Delta Science Program
Presented by: Lynda Smith, Bay-Delta Initiatives Principal Resource Specialist
- Mr. Arakawa introduced the presenter, and provided information about her background at Metropolitan.
- Ms. Smith showed the relevance of science to Metropolitan's supply reliability objectives, listed science investigation priorities, described the science program approach. She also highlighted Metropolitan's science expertise, involvement in Delta science community, and what to expect as we move forward.
- Committee Chair Ackerman expressed appreciation for the presentation and mentioned its importance.

7. MANAGEMENT REPORTS

- a. Subject: Bay-Delta Manager's Report
Presented by: Steve Arakawa, Bay-Delta Initiatives Manager
- Mr. Arakawa thanked the Committee for allowing extra time to hear the science presentation and referred them to the written Bay-Delta Management Report and the GM Monthly Report regarding Bay-Delta activities for the month of June, and deferred his oral report.
- The following Directors provided comments or asked questions:
1. Peterson
- Staff responded to the Director's question.

8. FOLLOW-UP ITEMS

None

9. FUTURE AGENDA ITEMS

None

Next meeting will be held on July 27, 2021.

Meeting adjourned at 11:49 a.m.

Linda Ackerman
Chair

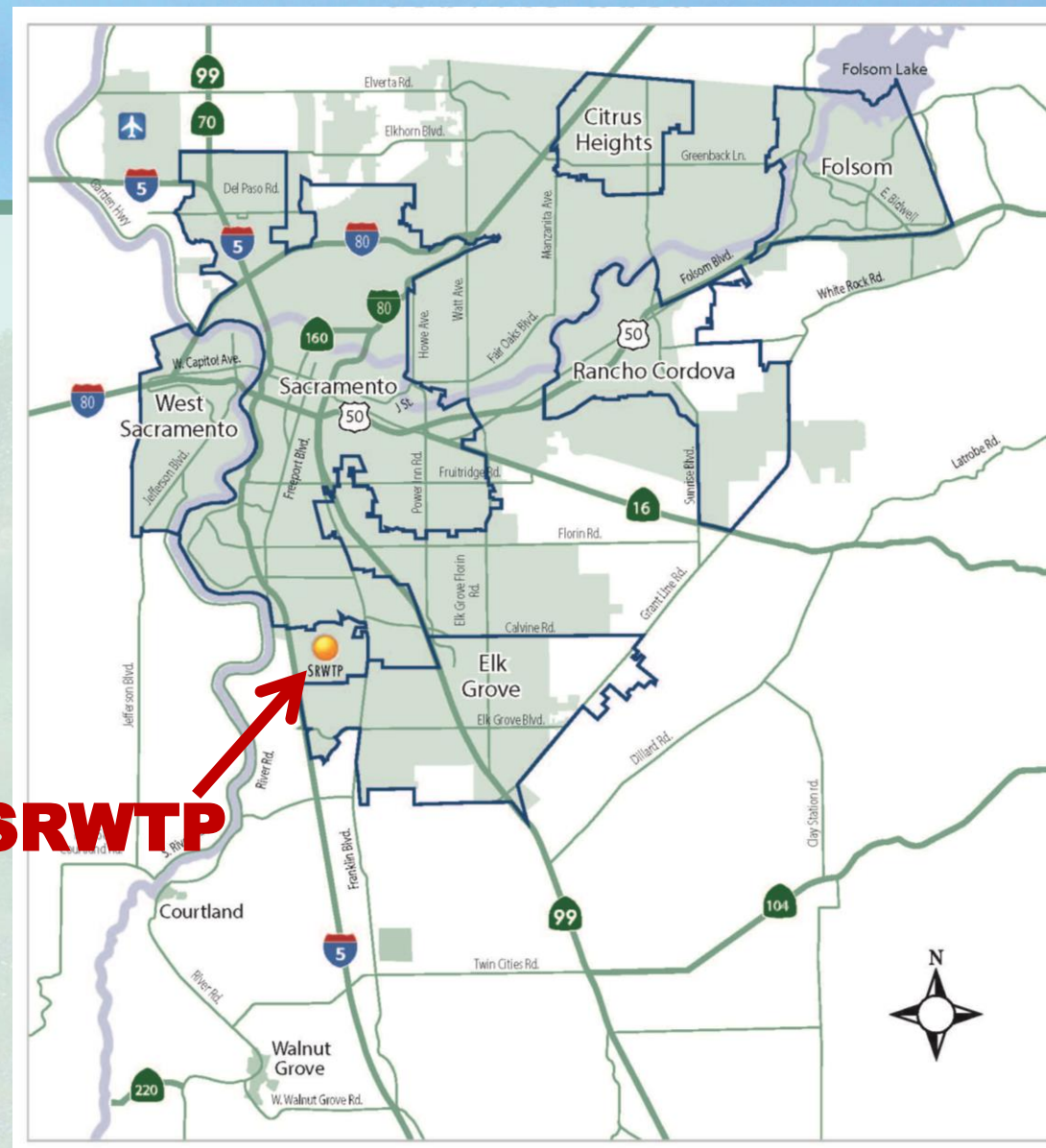
EchoWater Project



Our Service Area & Governance

Today, Regional San serves about 1.6 million residents in 386 square mile service area in unincorporated Sacramento County; cities of Elk Grove, Citrus Heights, Folsom, Rancho Cordova, Sacramento, West Sacramento; and communities of Walnut Grove and Courtland

17 Board Members representing Counties and Cities served



Milestones in Sacramento's Wastewater Treatment

1970s

- 22 separate wastewater collection and treatment systems in Sacramento region
- Many discharged into local waterways, many into the American River and Sacramento River
- Clean Water Act passed in 1972

1973

- **Sacramento County, the City of Sacramento and, the City of Folsom** form Sacramento Regional County Sanitation District (Regional San)

1976

- District begins construction of the Sacramento Regional Wastewater Treatment Plant (SRWTP)
- Treatment Plant Construction completed and operational in 1982

Permit Background

- Major Permit Revision Issued December 2010
- Nitrification and Denitrification by May 11, 2021
 - Interim Average Monthly Ammonia Limit 39 mg/L
 - New Average Monthly Ammonia Limit 2.1 mg/L
- Filtration Completion deadline May 9, 2023
- Permit Compliance Initially Estimated at \$1.5 - \$2.1 billion
- Built a \$20 million pilot facility to select technologies

EchoWater Challenges

- Concurrent projects
- Operating Facility
- Bid Challenges
- Weather

January 11, 2017 – Post Rain Event



Ammonia Milestone Accomplished

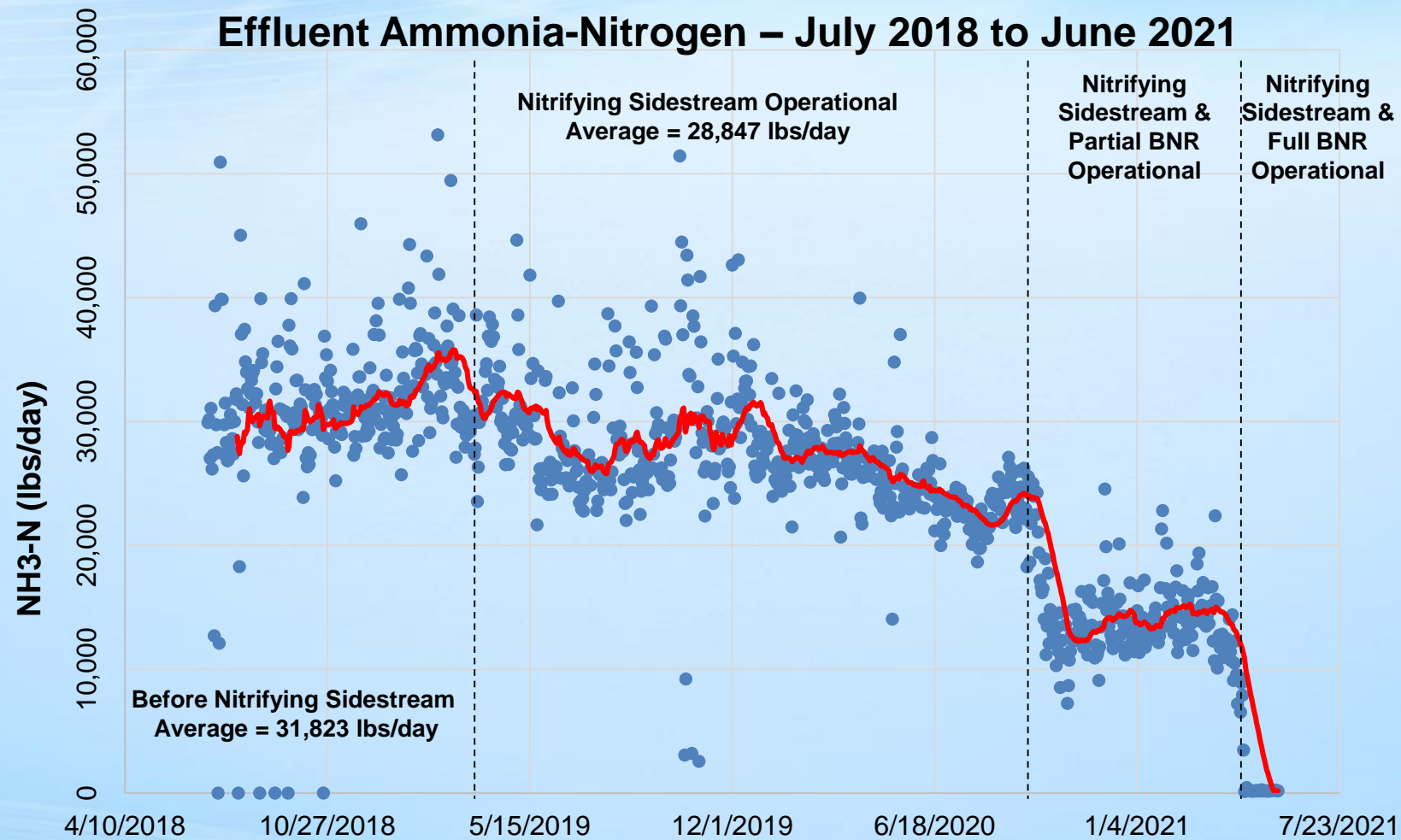
- NST on line March 2019
- Required to remove 3.5 million pounds by May 1, 2021.
- Removed 3.5 million pounds by August 1, 2020.
- Removed 5.2 million pounds by May 1, 2021-
 - so about 1.7 million pounds more than required.
- NST reduced chlorine usage to control odor.
 - \$2.6 million in annual savings (chlorine and bioxide)



Ammonia Milestones Accomplished

- Keeping the Plant Operational
 - “... we stopped using the old heart of the treatment process and began treating the entire plant flow through the new heart ...”;
Prabhakar Somavarapu, April 22, 2021.





Ammonia Milestone Accomplished

- BNR Construction Continues
- 100% of Flow to BNR on April 19, 2021

Final Effluent in ESB-D, Before and After Full BNR Treatment



Aerial: 3/31/2021



Aerial: 5/01/2021

Tertiary Milestone on Track

- Title 22 Tertiary Permit Deadline of May 9, 2023
- Tertiary Compliance Expected November 2022, 6 Months Early!



Questions?



Update on Delta Conveyance

Bay-Delta Committee
Item 6b
July 27, 2021

Overview

- Updates
 - Delta Conveyance Design and Construction Authority
 - Stakeholder Engagement Committee
- Delta Conveyance
 - DWR's Delta Conveyance Webinars

Delta Conveyance Design and Construction Authority

July 2021

- July DCA Monthly Report
- Initial DCA FY 2021/22 Contingency Budget
- Stakeholder Engagement Committee Update
- DWR Environmental Manager's Report

Delta Conveyance

Stakeholder Engagement Committee

June 2021

- Design Change Updates
- Ongoing Outreach Efforts
- Community Benefits Program Update
- DCA Review and Updates
- DWR CEQA Status Update

DWR's Delta Conveyance Webinars

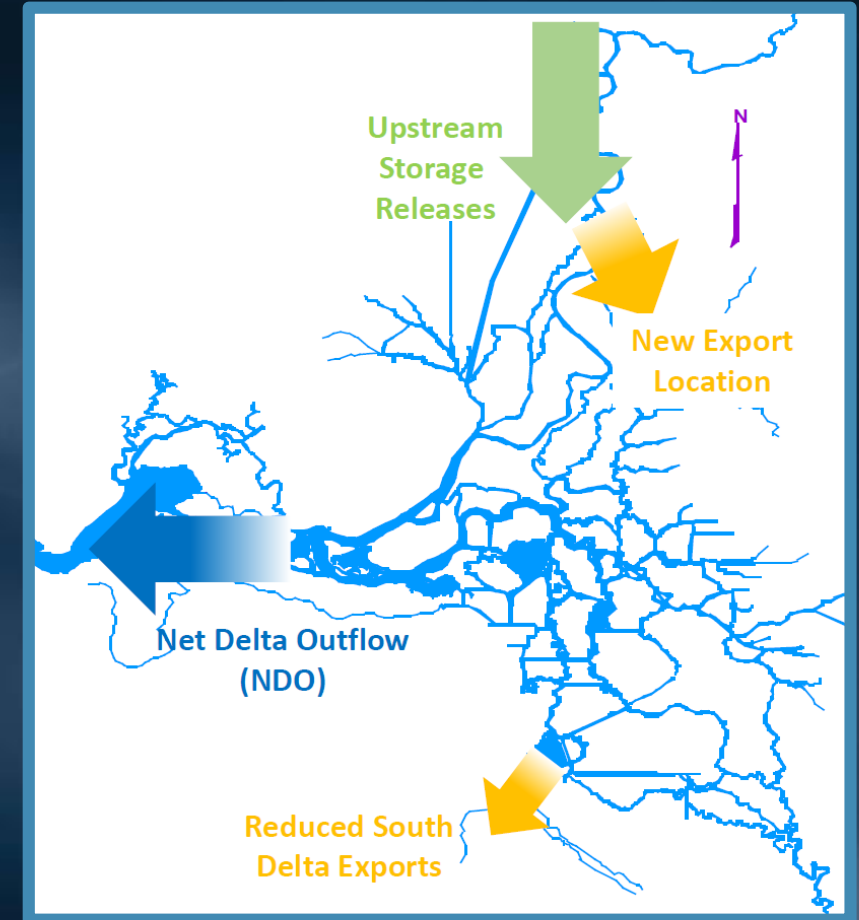
- Four informational webinars to provide background information about how the Draft EIR is being prepared
- Include presentations from technical staff about approach, methodologies, and assumptions used to conduct impact analyses
 - Operations of the State Water Project and Delta Conveyance July 14
 - Fisheries August 3
 - Climate Change August 25
 - Environmental Justice September 16

Link for more information including presentations, recordings of webinars, and registration for upcoming webinars:

<https://water.ca.gov/Programs/State-Water-Project/Delta-Conveyance/DCP-Informational-Webinars>

DWR's Delta Conveyance Webinars

- Operations of the State Water Project and Delta Conveyance (July 14)
 - California Environmental Quality Act Overview
 - Operations of the State Water Project
 - Delta Conveyance Modeling



Link for more information including presentations, recordings of webinars, and registration for upcoming webinars:

<https://water.ca.gov/Programs/State-Water-Project/Delta-Conveyance/DCP-Informational-Webinars>

Delta Conveyance Project

- Public Draft EIR/S
- Final EIR/S

Mid 2022
2023







● Bay-Delta Management Report

Summary

This report provides a summary of activities related to the Bay-Delta for June 2021.

Purpose

Informational

Detailed Report

Long-Term Delta Actions

Delta Conveyance

The California Department of Water Resources (DWR) is continuing to develop an Environmental Impact Report (EIR) under the California Environmental Quality Act (CEQA). DWR is planning four technical webinars to inform the public and interested stakeholders about the current progress related to preparation of the Draft EIR. Each webinar will feature presentations from technical staff about the approaches, methodologies and assumptions to be used in conducting impact analyses in the Draft EIR. Information about impact findings and specific mitigation measures is not available at this time but will be included in future outreach efforts following publication of the public Draft EIR.

DWR conducted a survey in November and December 2020 to collect information on how low-income, minority, and other underserved communities rely on resources in the Delta. This information will help assess potential impacts and benefits to these communities. The report documenting the survey results has been posted on DWR's website: https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Delta-Conveyance/Public-Information/DCP_EJ-Survey-Report-5-28-2021_Final_508.pdf.

Joint Powers Authorities

During the June 17, Delta Conveyance Design and Construction Authority (DCA) Board of Directors Meeting, the board approved the \$21.5 million budget for fiscal year (FY) 2021/22. There is currently an underspend of approximately \$2 million for the current FY which is anticipated to roll over into the budget for next year following the closeout of the current FY in August 2021. If the DCA Board subsequently approves this added roll over amount, it would increase the overall budget for FY 2021/22 by about \$2 million. Planned technical work in the upcoming year will largely be focused on studies to support preparation of the Draft CEQA documents, continued execution of the geotechnical program, and consideration of a range of project refinements to be further evaluated during final design.

The DCA Stakeholder Engagement Committee (SEC) met on June 23 where an update on DCA design changes and an update on DWR's efforts regarding the Community Benefits Program were presented. DWR also presented the results of the recent Environmental Justice survey.

The Delta Conveyance Finance Authority regularly scheduled June meeting was cancelled.

Sites Reservoir

In the joint Sites Project Authority Board (Authority Board) and the Sites Reservoir Committee (Reservoir Committee) meeting on June 23, the Authority Board and Reservoir Committee accepted the updated Sites Reservoir Project cost estimate. The updated feasibility-level cost estimate is for the "right sized" project and is intended to provide potential participants with a higher degree of certainty for project affordability. The feasibility cost estimate for a 1.5-million-acre-foot reservoir (Alternative 1) is estimated at approximately \$3.93 billion (2021 dollars) and the feasibility cost estimate for a 1.3-million-acre-foot reservoir (Alternative 2) is estimated at approximately \$3.87 billion (2021 dollars).

Date of Report: 7/27/2021

Board Report (Bay-Delta Management Report)

Near-Term Delta Actions

Habitat Restoration

Staff continues to participate on the Fisheries and Engineering Technical Team for the Yolo Bypass Salmonid Habitat and Adult Passage (Fremont Weir Notch) project. The purpose of the project is to remove barriers to migration for salmonids and sturgeon between the Sacramento River and the Yolo Bypass. DWR proposes to install operable gates in the concrete Fremont Weir to provide access to 17,000 acres of floodplain rearing habitat for out-migrating juvenile salmon and allow passage and prevent stranding of adult salmonids and sturgeon at flows below crest height of the weir. DWR has obtained permits from the State Water Resources Control Board (Section 401 Water Quality Certification), and California Department of Fish and Wildlife (CDFW) (draft ITP and Section 1600 Streambed Alteration Agreement). Moving forward, DWR will continue efforts to obtain necessary permits for the project and complete final design. Project construction is scheduled to begin May 2022, and operations are expected to commence in 2023.

Regulatory Activities

Staff continued to participate in the collaborative groups called for in the 2019 Biological Opinions (BiOp) for the State Water Project (SWP) and Central Valley Project, and in the 2020 Incidental Take Permit (ITP) for Long-term Operation of the SWP, to address science needs and inform management and operation of the water projects. In June, staff worked with state and federal agencies to develop a Juvenile Production Estimate (JPE) for Spring-run Chinook salmon, a requirement of the ITP. The JPE would be the basis for managing take levels at the export.

Science Activities

Staff continued participating in the Collaborative Science and Adaptive Management Program (CSAMP), including participation on the Collaborative Adaptive Management Team (CAMT). At the June 15 meeting, CAMT received a detailed update from CDFW staff on near-term actions to benefit salmon, including information on the status of implementation. The near-term salmon actions discussed included habitat restoration, fish food enhancement, removal of barriers to fish passage, screening of water diversions, salmon rearing projects, and projects to improve survival of out-migrating salmon. CAMT discussed a potential role to help analyze or implement near-term actions and will continue the discussion at a future meeting. CAMT also discussed the CSAMP Organizational Framework for Delta Smelt and received a presentation from U.S. Bureau of Reclamation on the Water Year 2020 Seasonal Report for Old and Middle River Flow Management.

Staff is leading a CSAMP effort to collaboratively develop a scientific definition of salmon recovery, expressed as a suite of clear, measurable objectives and landscape level quantitative targets. Staff is planning and participating in a series of technical workshops to develop this definition. The first set of workshops, which are currently underway, are focused on the following tasks: (1) exploring different case studies and examples for structuring and defining salmon recovery, (2) working toward consensus on a draft framework and key elements needed for a definition of salmon recovery, (3) exploring and framing measurable draft objective(s) for salmon recovery, and (4) discussing the approach(es) for defining quantitative landscape targets and thresholds. After the first workshop, the facilitators for this effort (Compass and Kearns and West) will review and organize the key elements, measurable draft objective(s) and approaches for defining quantitative landscape targets and thresholds into a draft framework to be presented to workshop participants in the late fall for review. This effort includes the participation of state and federal resource agencies, public water agencies, and non-governmental organizations.

On June 24, the Delta Stewardship Council approved the 2021 Delta Science Proposal Solicitation Awards for 16 proposals selected through a competitive process. One of the proposals selected for funding is the proposal submitted by Trout Unlimited titled *Developing an Inclusive, Landscape Scale Process for Central Valley Salmonids*. The funding awarded to this proposal will support phases 2 and 3 of the CSAMP Salmon Recovery Project (Project). Phase 1 of the Project is funded by the State Water Contractors Science Program.