



● Bay-Delta Management Report

Summary

This report provides a summary of activities related to the Bay-Delta for October 2017.

Purpose

Informational

Detailed Report

Long-Term Delta Actions

California WaterFix

On October 10, the Board of Directors approved Metropolitan's participation in the California WaterFix project for its 25.9 percent share. Eleven other State Water Contractors have taken formal board actions to support the California WaterFix project. Further work lies ahead on financing and implementation strategies.

Near-Term Delta Actions

State Water Resources Control Board

On October 4, the State Water Resources Control Board (SWRCB) issued a notice to solicit stakeholder input to the development of the program of implementation for the Phase II Update to the Bay-Delta Water Quality Control Plan. The Phase II update addresses inflows to the Sacramento River and Delta and Delta outflows, and is focused on protection of fish and wildlife beneficial uses. The SWRCB notice includes a series of questions for stakeholders to address regarding possible approaches for the program of implementation. The SWRCB also released their final Phase II Scientific Basis Report. Staff is working with the State Water Contractors to develop comments on the Phase II issues. Comments are due November 9, 2017.

The California WaterFix Petition proceedings before the SWRCB are ongoing. Part 1 of the hearings addresses the effects of the proposed project on legal users of water. Staff is participating in the rebuttal phase of Part 1 in collaboration with the State Water Contractors. Closing briefs for Part 1 are due to the SWRCB on November 8, 2017. Part 2 of the hearings will address the effects of the proposed project on fish and wildlife, including consideration of appropriate Delta flow criteria. Opening briefs for Part 2 are due November 30, 2017, and Part 2 of the California WaterFix hearing is scheduled to commence January 18, 2018.

Science Activities

Staff continued participation in the Collaborative Science and Adaptive Management Program (CSAMP), including participation in the Delta Smelt Scoping Team Outflow workgroup and the Flow Alteration Project Work Team to develop detailed workplans for the Directed Outflow Project. Field work and sample collection for zooplankton and water quality as part of the Directed Outflow Project started in late-September 2017. Staff participated in the Delta Smelt Scoping Team discussions on the development of the decision support tool for the Delta smelt Resiliency Strategy. Staff also provided input on potential near-term salmon studies that are being considered for the Collaborative Adaptive Management Team 2018 salmon work plan.

In October, Anchor QEA, a consultant to Metropolitan, completed a modeling study of salinity throughout the San Francisco Bay and Delta from 1995 – 2015 and for turbidity during the winter and spring of 1997, 1998, 2001, 2006, 2008, and 2011. These years include both wet and dry years. Simulation of temperature for 1995 – 2015 should be complete next month. Staff is using these results to predict the probability of catching longfin larvae at various locations throughout the Bay. If large areas of the lower San Francisco Bay appear suitable for longfin larvae, the next step would be to sample areas where longfin larvae are predicted to occur in the winter.

Board Report (Bay-Delta Management Report)

Ultimately, the study may lead to a better understanding of longfin smelt spawning distribution and the reasons why longfin smelt population responds to wet conditions.

Delta Emergency Preparedness

Delta Flood Emergency Management Plan

The California Office of Emergency Services (Cal OES) released its final draft Northern California Catastrophic Flood Response Plan in October with emphasis on impacts to the Sacramento-San Joaquin Delta. The plan provides a framework outlining how local, state, and federal governments will respond and coordinate in anticipation of a catastrophic weather or seismic related flood event in the region. The plan relies on emergency preparedness, response, and recovery strategies of the DWR Delta Flood Emergency Management Plan (DFEMP) for repair of Delta levee damages. Staff has reviewed and provided comprehensive comments on the final draft DWR Delta Flood Emergency Management Plan, which continues to be reviewed by their operations group. The DFEMP contains specific physical actions to respond to emergency flood conditions, including catastrophic failure of levees due to an earthquake. DWR will evaluate final comments to determine the date of issuance of their final DFEMP.

DWR initiated a contract process through their Division of Engineering to purchase large sheet pile for purposes of closing major levee breaches subsequent to flood or seismic related levee failures in the Delta. These materials provide flexibility in the choice of materials to close major levee breaches under emergency conditions. This work would include critical and most immediate levee repairs to ensure levee integrity and for water conveyance.

Metropolitan Bay Delta Conservation Plan (BDCP) Expenditures

The following is a description of Metropolitan's cumulative BDCP expenditures updated for the quarter ending September 2017. Staff will continue to provide these on a quarterly basis in the Bay Delta Management Report.

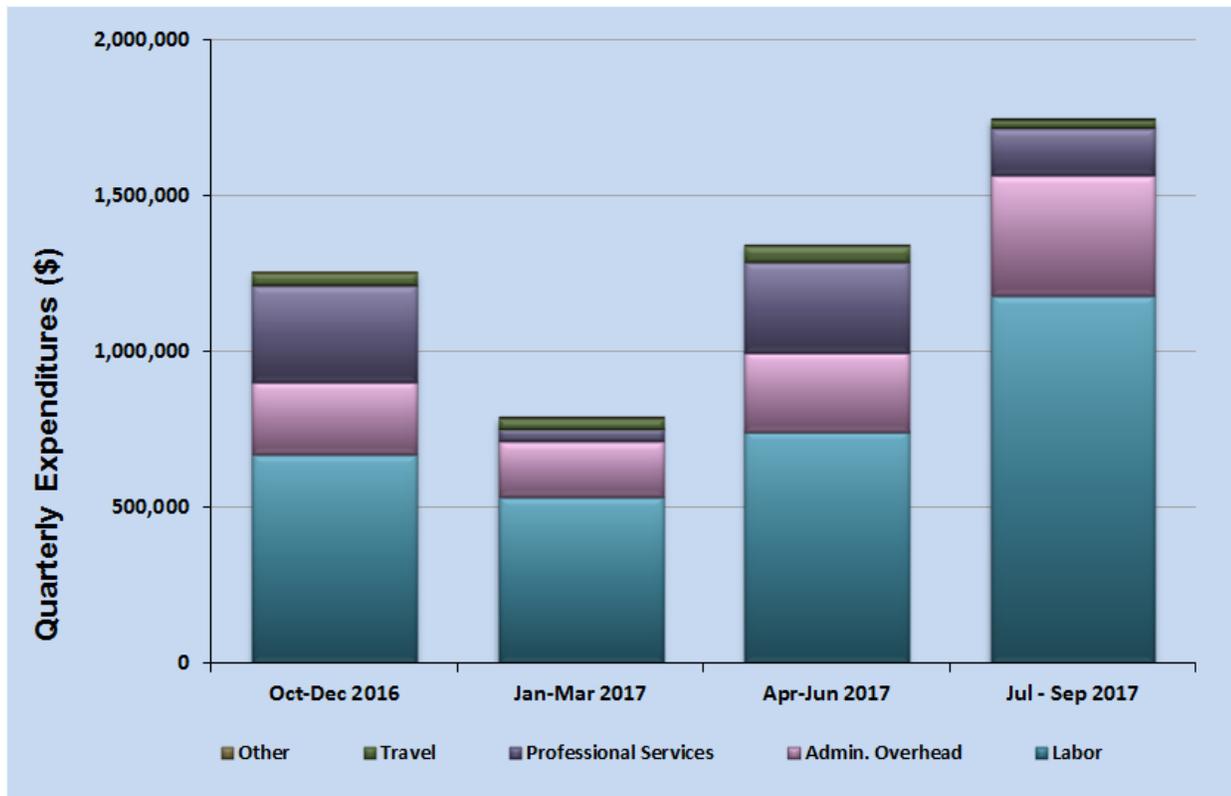
Total (July 2005 – September 2017)

BDCP – Internal MWD	Total Costs (12.3 yrs.)
Labor & Benefits ⁽¹⁾	\$ 26.96M
Professional Services	\$ 5.17M
Travel	\$ 1.36M
Other ⁽²⁾	\$ 0.16M
SUBTOTAL	\$ 33.65M
<u>Administrative Overhead</u>	<u>\$ 10.10M</u>
TOTAL	\$ 43.75M

⁽¹⁾ Labor costs include salary, leave and non-leave benefits

⁽²⁾ Other include charges for materials and supplies, trainings & seminars, conferences & meetings, reprographics

Quarterly (October 2016 – September 2017)



Overall.

The table on the next page shows the funding and commitments based on: (1) funding agreements between DWR and the state and federal water contractors; (2) funding from the USBR under a Federal Funding Agreement; and (3) funds made available by DWR. The funding agreements between DWR and the water contractors are the December 2008 Delta Habitat Conservation and Conveyance Program (DHCCP) Funding Agreement and July 2010 Supplemental Funding Agreement. Prior to these two funding agreements, an additional \$13.5 million was expended under the November 2006 BDCP Cooperative Cost-Share Agreement for startup costs related to development and review of the BDCP and consulting resources necessary to prepare the BDCP. In addition to these funding agreements, DWR and USBR have provided additional planning funds. None of the state funds are state general fund dollars. To date, \$14.4 million of additional funds have been received and made available to the budget and are reflected in the table on the next page.

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Metropolitan's Share. Metropolitan's commitment under this program remains at \$63 million.

Funding Agreements	Total Project (in millions) as of September 2017		
	Budget	Commitment	Remaining
Dec 2008 – DHCCP Funding Agreement	\$ 139.6	\$ 139.6	\$ 0
Jul 2010 – Supplemental Funding Agreement	\$ 100.0	\$ 100.0	\$ 0
Post MOA Phase:			
USBR Federal Funding Agreement/DWR State Water Project Funding	\$ 14.0 **	\$ 22.3	(\$ 7.9)
San Luis and Delta Mendota Water Authority	\$ 0.4		
TOTAL	\$ 254.0	\$ 261.9	(\$7.9)

* November 2006 BDCP Cooperative Cost-Share Agreement totaling \$13.5 million is not included in the above table.

** Rounding off adjustment from \$14.1 million in previous reports