



## State Water Project Briefing: Construction Update

### Introduction

The final State Water Project (SWP) briefing of 2021 will continue to explore this year's theme of creating a resilient State Water Project by addressing climate change and aging infrastructure to provide multiple benefits for Californians.

The Department of Water Resources (DWR) manages the SWP to ensure adequate water supplies are available under various hydrologic and legal conditions while maintaining SWP operational flexibility. This briefing will inform the Commission about key construction activities undertaken in the past year to manage and maintain the SWP. The projects are occurring across the entire length of the SWP and include all major facility types – dams, canals, pipelines, pumping and generating plants. These projects represent DWR's efforts to modernize fire and life safety programs, to identify and implement needed repairs, and to refurbish aging infrastructure.

### Background

The California State Water Project consists of 36 water storage facilities and 700 miles of rivers, pipelines, and canals. It supplies water to 27 million people and irrigates 750,000 acres of farmland. The system includes 21 pumping plants, powered by a system of power-generation and power-recovery plants. DWR also operates the world's tallest water lift – the Edmonston Pumping Plant – which pumps water more than 1,900 feet over the Tehachapi Mountains into Southern California.

Goal Two of the Commission's Strategic Plan directs the Commission to remain apprised of the operations and construction activities of the State Water Project, focusing on how the SWP adapts and responds to hydrological extremes expected with climate change, restores critical ecosystems, and addresses aging infrastructure. As required by Water Code section 165, the Commission conducts an annual review on the progress of the construction and operation of the SWP and reports its findings and recommendations to DWR and the Legislature. This series of briefings will inform the Commission of SWP activities in preparation for the Commission's 2021 annual review.

### Meeting Overview

At the November meeting, Jeanne Kuttel, DWR Division of Engineering Acting Manager, will brief the Commission on the status of major State Water Project investigative, construction, and refurbishment efforts for 2021, including:

- SWP fire and life safety modernization at San Luis and San Joaquin Field Division facilities.

Agenda Item: 10

Meeting Date: November 17, 2021

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- California Aqueduct liner and embankment repair projects.
- South Bay Aqueduct reliability improvement program.
- California Aqueduct radial gate maintenance and repairs.
- Bethany Dams restoration and rodent burrow prevention project.
- Castaic Dam outlet tower seismic retrofit project.
- Oroville Dam river valve outlet system rehabilitation project.
- Gianelli Pumping-Generating Plant unit refurbishment project.
- Dos Amigos unit refurbishment project.
- Infrastructure controls, communications, and protection assets.
- Emergency drought barrier to prevent Delta salt water intrusion.

This is an informational item.

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