



One Water and Stewardship Committee

# Update on the State Water Project

Item 6a

July 8, 2024

CALIFORNIA DEPARTMENT OF WATER RESOURCES

# State Water Project

July 8, 2024



John Yarbrough, SWP Deputy Director



# Agenda

- Overview
- System Reliability
- Financial Reliability
- Contractor Engagement



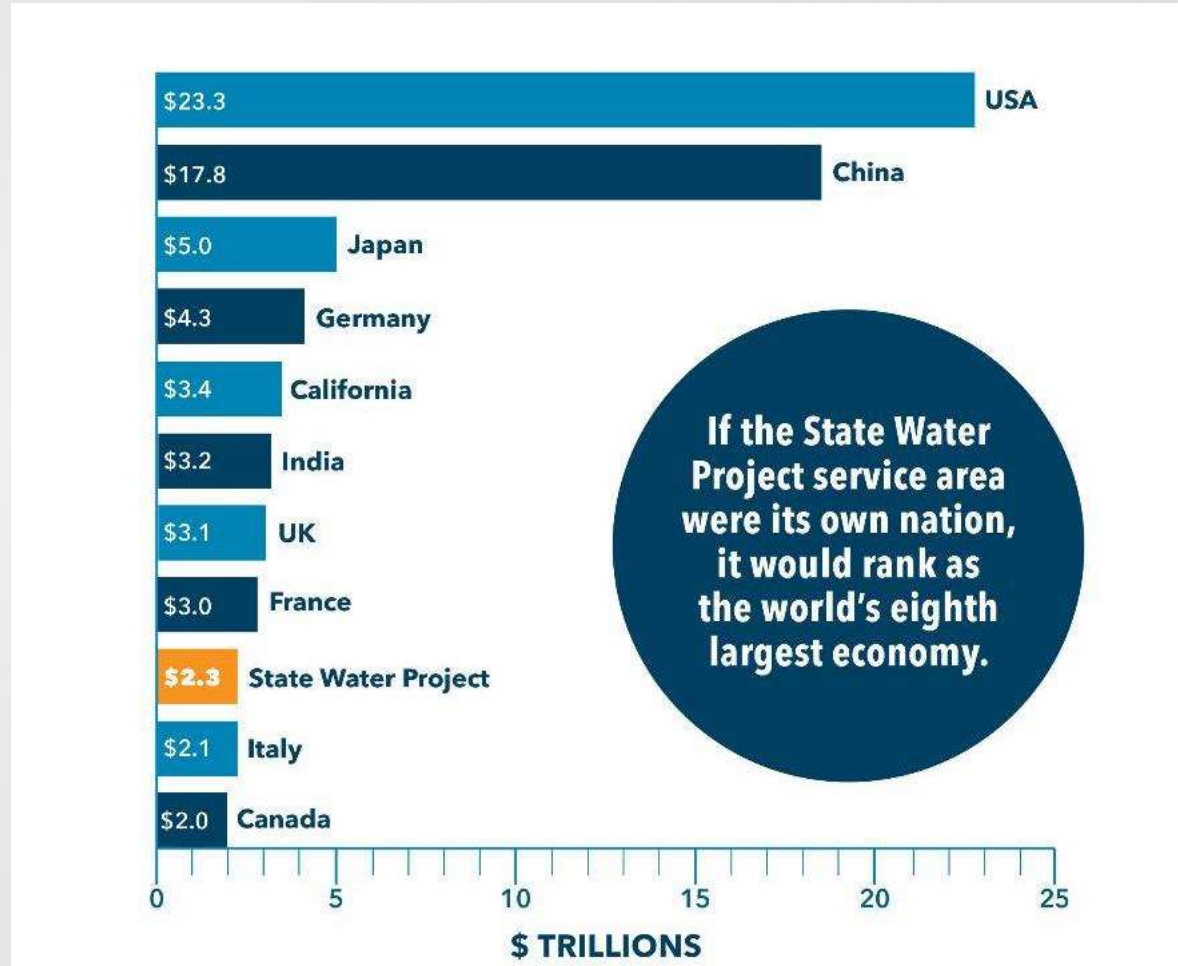
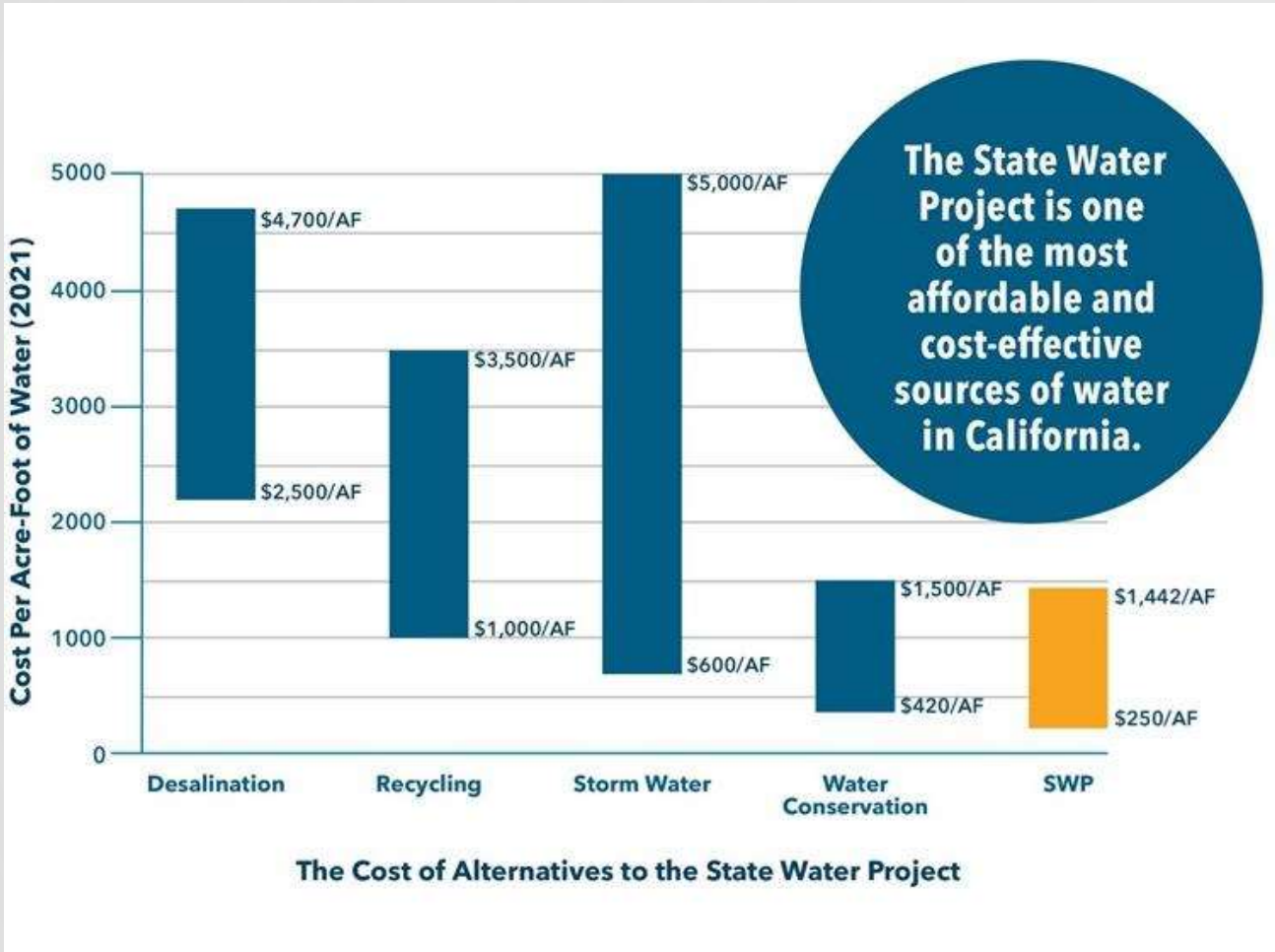


# SWP Overview

- Primary Backbone of CA's water system
- Over 700 miles
- 5.8 MAF of water storage
- Supplies water to more than 27 million Californians
- Multi-benefit Project:
  - Flood protection
  - Generates clean electric hydropower
  - Recreational opportunities
  - Environmental benefits
  - Drives the State's economy:
    - ❖ The 5<sup>th</sup> largest in the world
    - ❖ \$400 billion annually
    - ❖ Provides 8.7 million full-time jobs

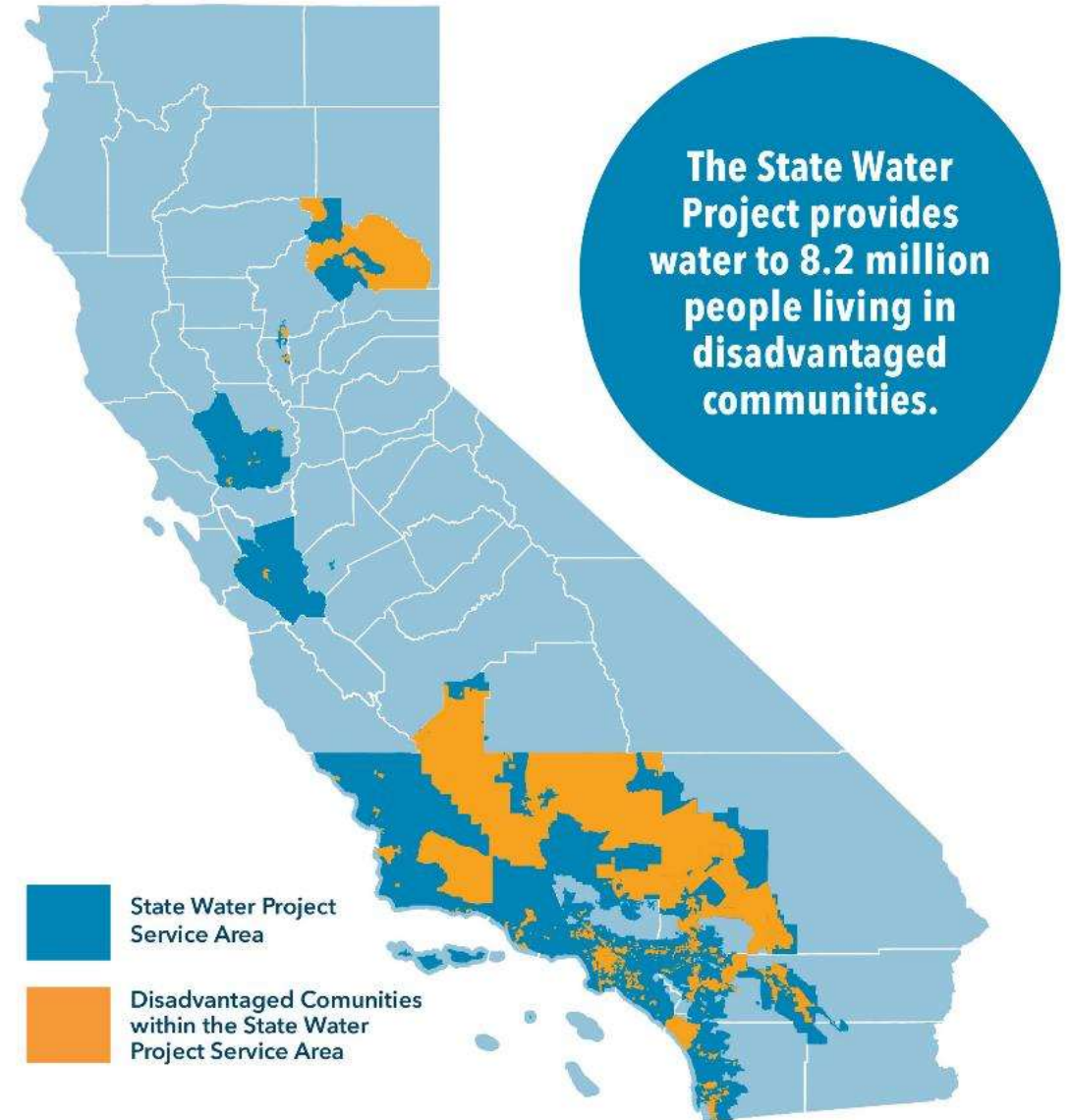


# Economy of the State Water Project



# SWP Supports Environmental Justice

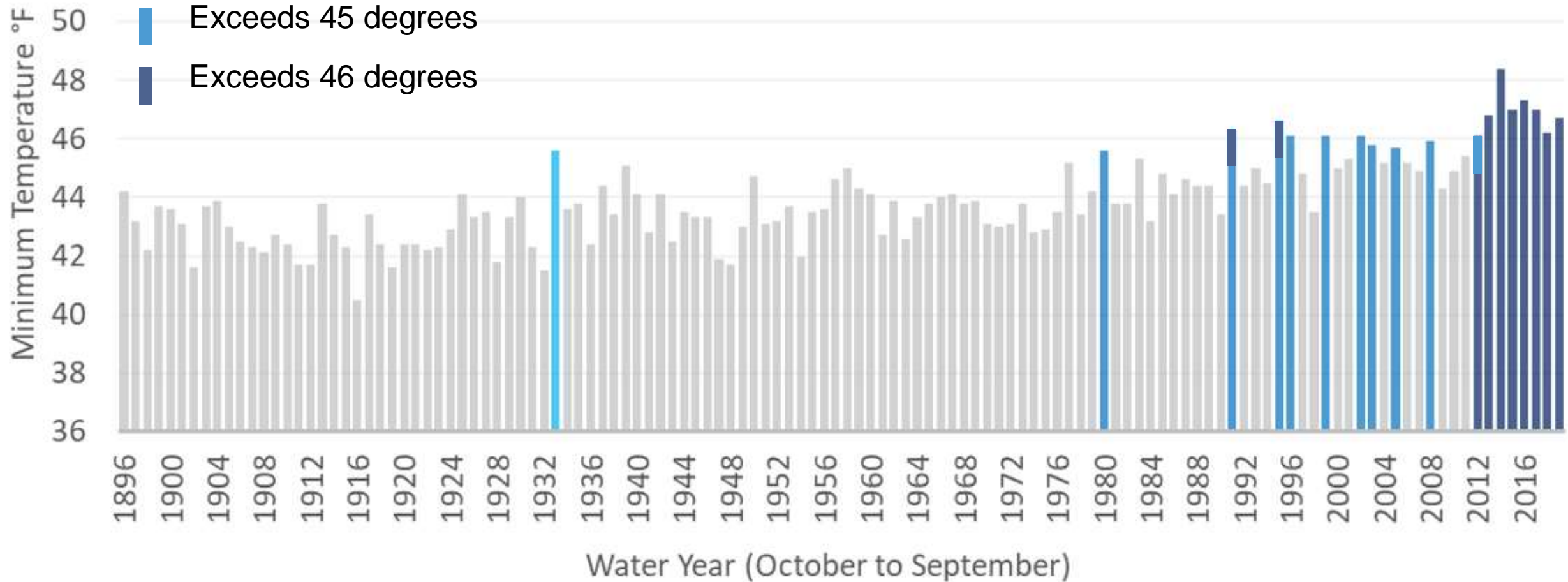
- Provides clean affordable water to 8.2 million people living in disadvantaged communities – 1/3 of SWP's service area & mostly in SoCal
- SWP water is lower in TDS than Colorado River Water and supports recycling and groundwater replenishment
- SWP water is affordable:
  - 4 X less than desalination
  - 3 X less than stormwater capture
  - 2.5 X less than recycled water





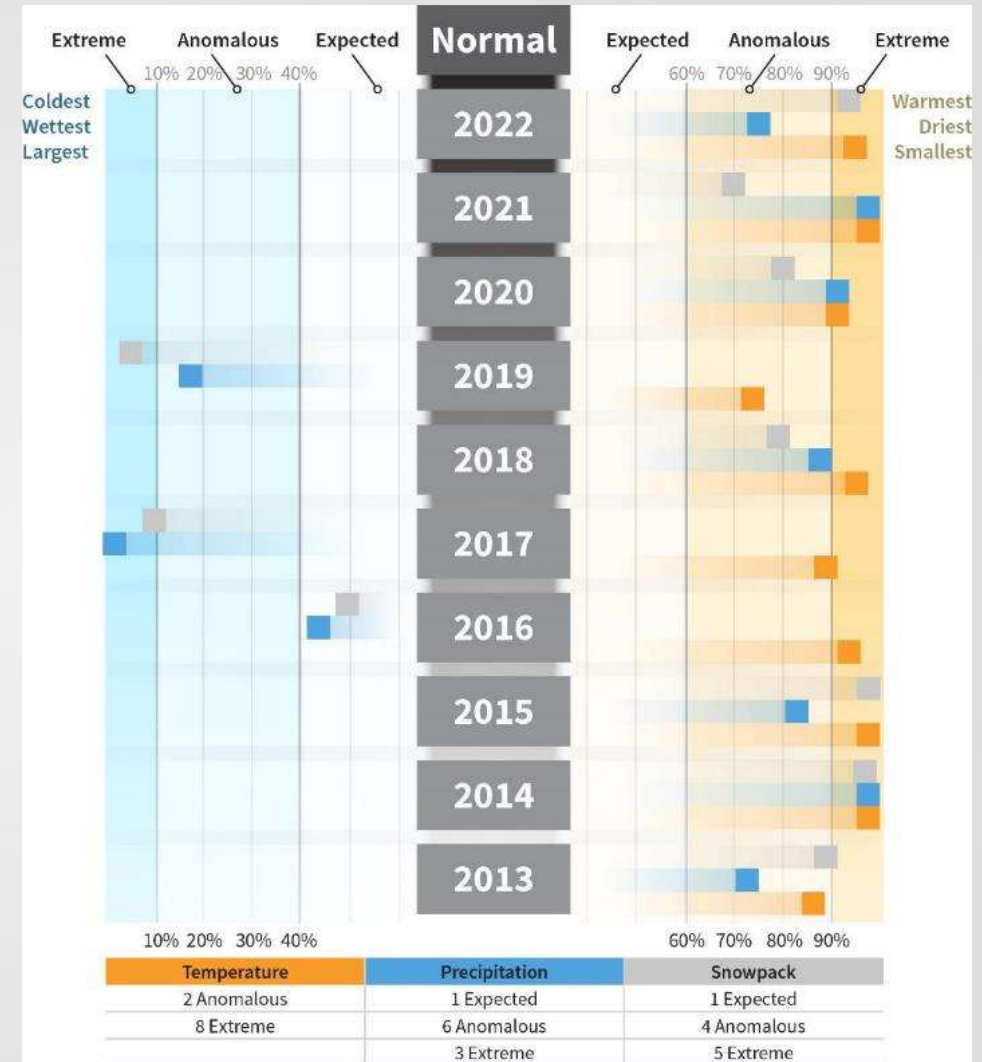
# Climate Change Is Here

## Statewide Average Minimum Temperatures Are Rising



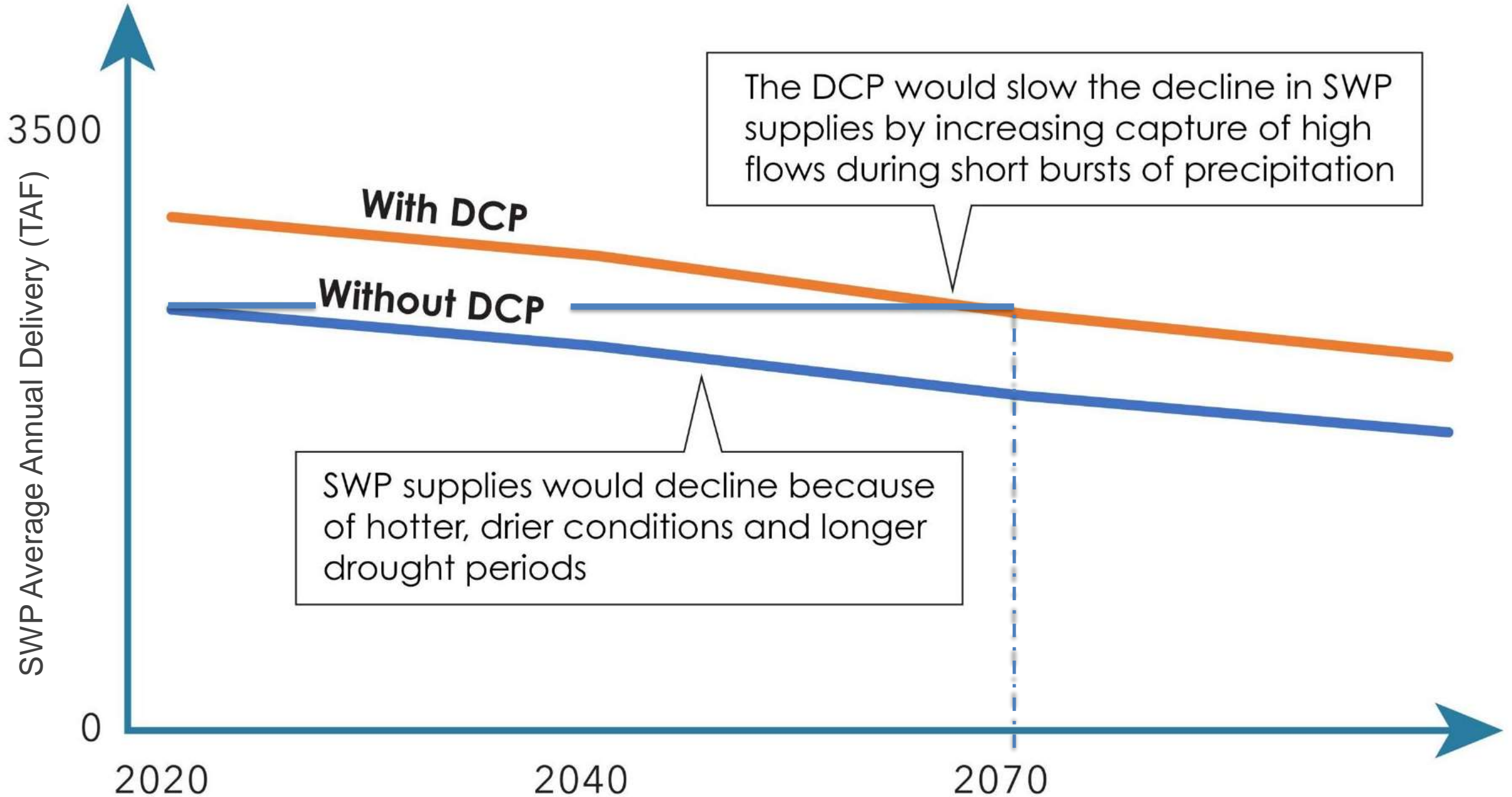
# Climate Variability Is A Reality

- WY2023 adding to extremes narrative
  - Dry to Wet shift
  - Multiple Extremes
  - New Records
- New climate regimes present new opportunities and new challenges





# Delta Conveyance Project Is Part of SWP's Climate Adaptation Strategy



# Operational Reliability

- Delta Permits
- Healthy River & Landscapes
- Delivery Capability Report
- Climate Action Plan Phase 3
- Oroville Forecast Informed Reservoir Operations
- Renewable Resource Procurement Plan





# System Reliability

- Asset Management
- Maintenance Management
- Dam Safety Program Enhancement
- Major Projects
  - Delta Conveyance
  - California Aqueduct Subsidence
  - Hyatt River Valves
  - Castaic, Pyramid, Perris Modernization
  - Delta Restoration Projects
  - South Bay Reliability
  - Oroville CNA Projects
  - Sisk Dam Seismic Retrofit
  - Gianelli Pumping-Generating Plant
  - Fire & Life Safety Modernization





# Financial Reliability

- SWP Budget Planning
  - Annual Cost Planning
  - Long-term Financial Plan
  - Annual SWP Budget Report
  - Contract Extension Implementation
- Improvements
  - Financial Management Enhancements Program (FMEP)
  - Debt Issuance Management System (DIMS)
- Additional Funding Sources
  - Grants (FEMA, Proposition)
  - Federal Funding
  - Partners



Figure 4. SWP Actual Cost (2014 to 2023) and Cost Projections (2024 to 2026)

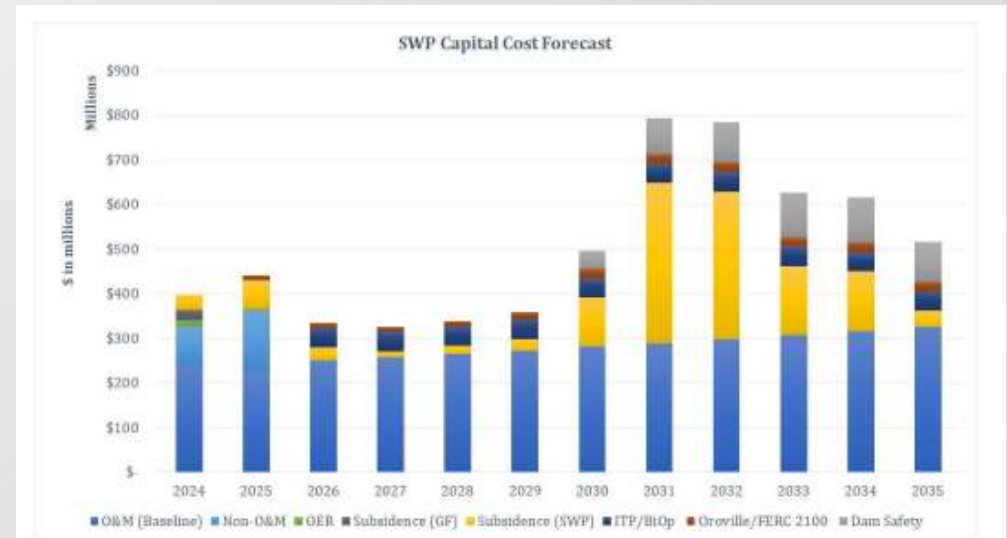
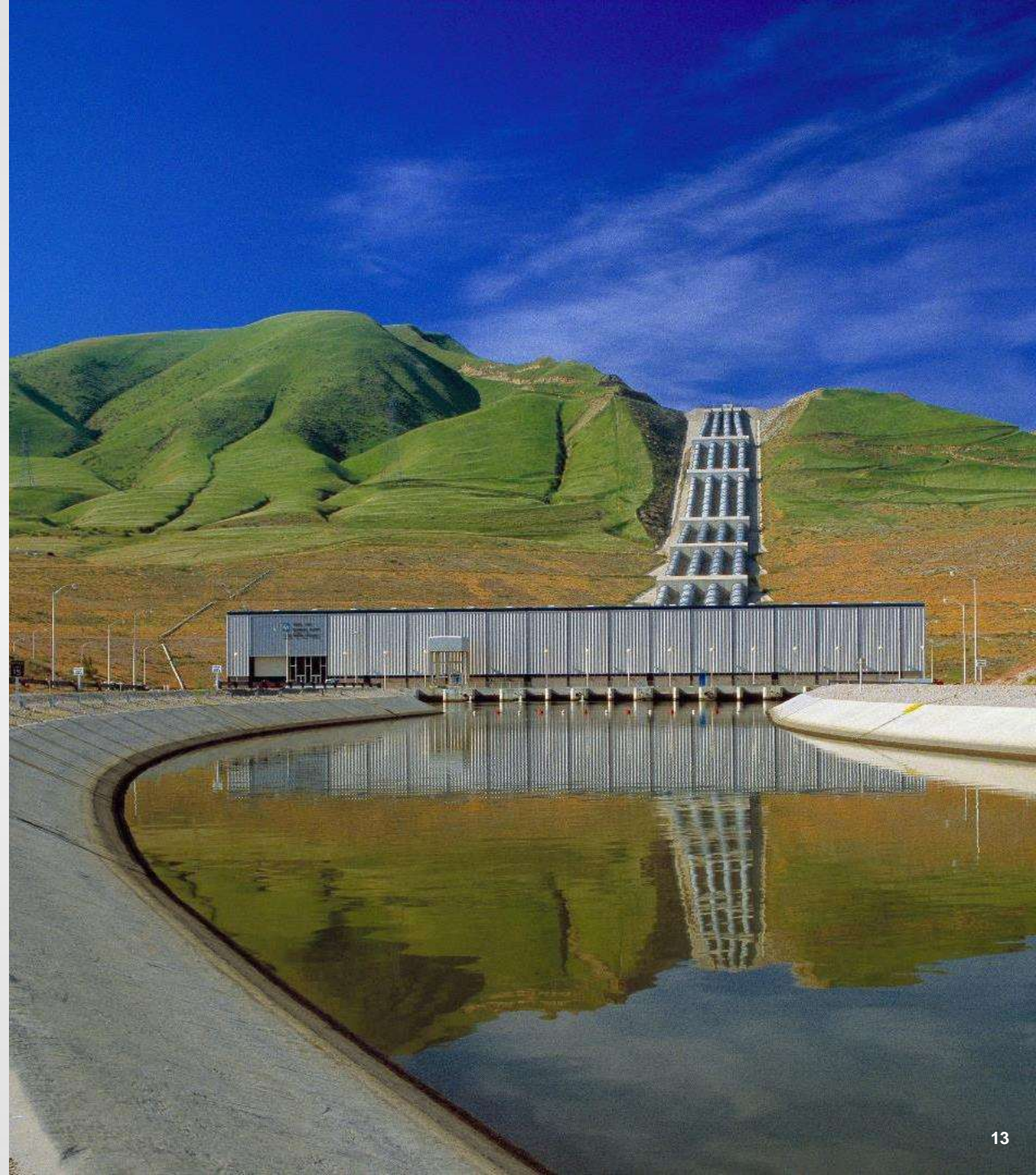


Figure 14. State Water Project Capital Forecasts (2023 - 2035)



# Contractor Engagement

- Prioritize Contractor Engagement
- SWC Engagement





An aerial photograph of a large dam and reservoir system. In the background, a large concrete dam holds back a reservoir of blue water, surrounded by lush green, forested mountains. In the foreground, a river flows through a valley with sparse, dry vegetation and brown soil. A concrete structure, possibly a spillway or intake, is visible on the riverbank. The word "Discussion" is overlaid in large white text in the center of the image.

# Discussion



