






ELECTED OFFICIALS FORUM

Municipal Water District of
Orange County

January 5, 2017



ELECTED OFFICIALS FORUM

Agenda

-  **WATER SUPPLY UPDATE**
-  **EXECUTIVE ORDER B-37-16 – MAKING WATER CONSERVATION A CALIFORNIA WAY OF LIFE**
-  **CALIFORNIA WATER FIX & ECO RESTORE**
-  **ROUNDTABLE DISCUSSION**







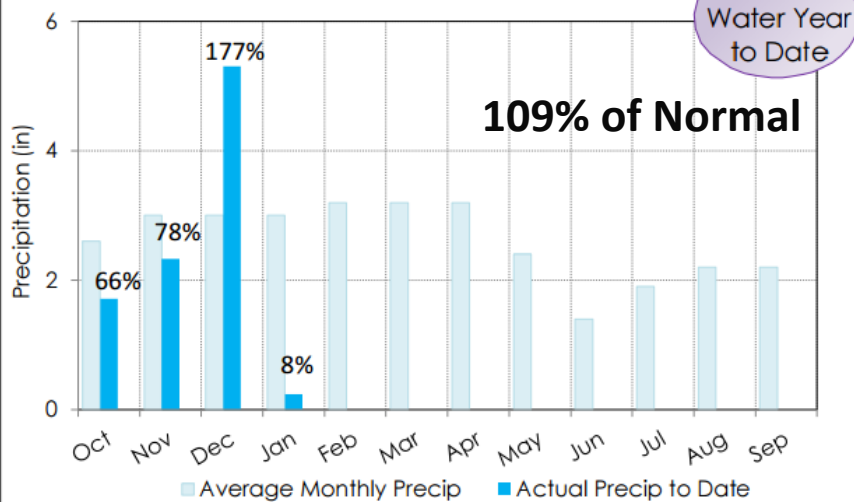
WATER SUPPLY UPDATE



Northern California Accumulated Precipitation



Upper Colorado Basin Precip



Historical Northern California Accumulated Precipitation

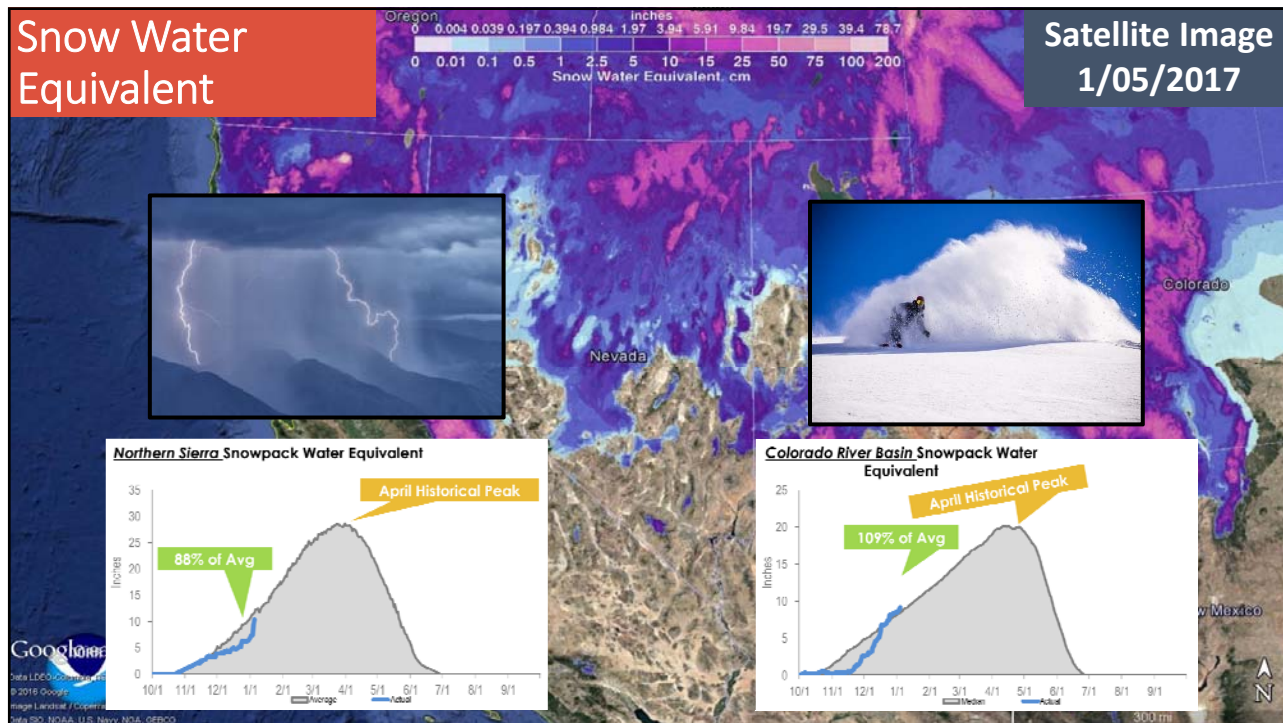


Northern Sierra Precipitation: 8-Station Index, January 5, 2017



Snow Water Equivalent

Satellite Image
1/05/2017



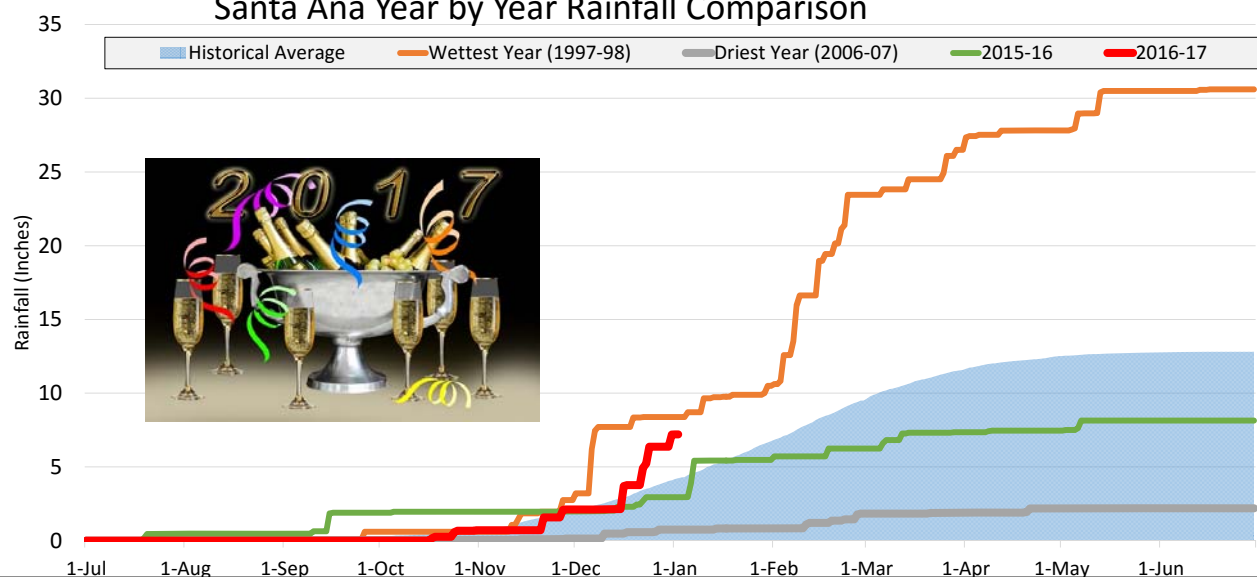
Mammoth (40" to 84" Snowfall last 48 Hours)



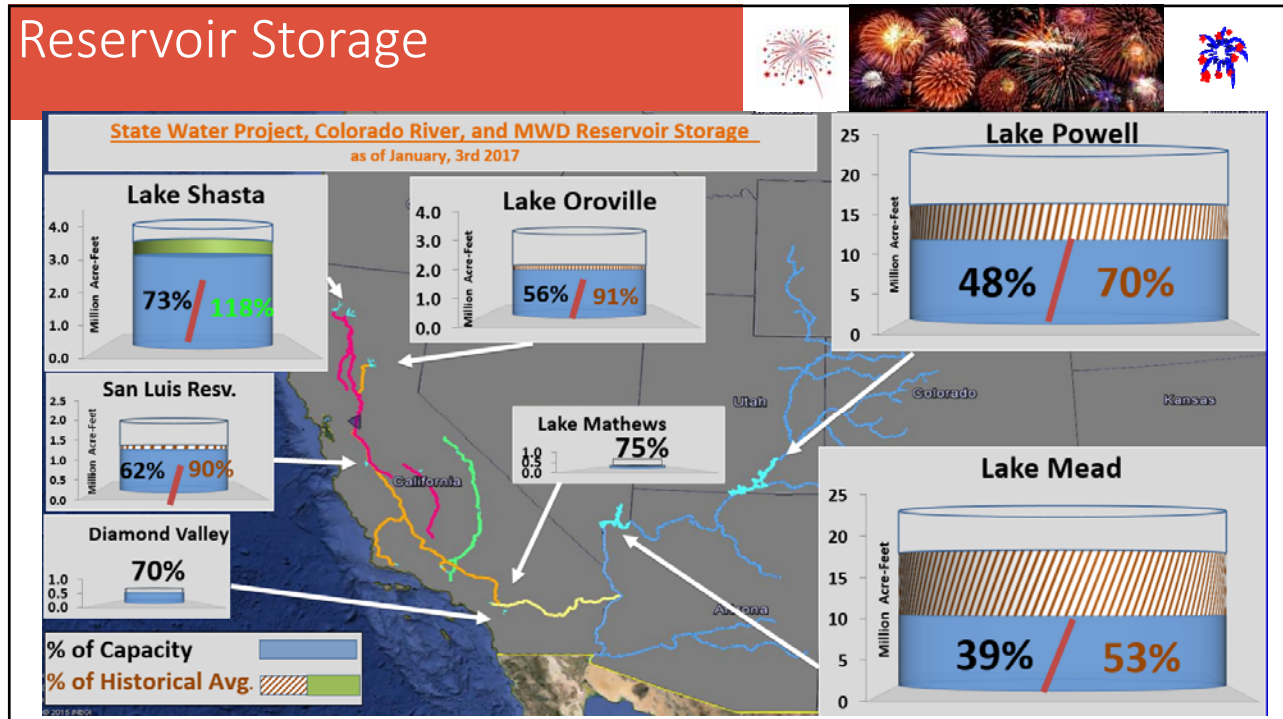
Historical Local Precipitation



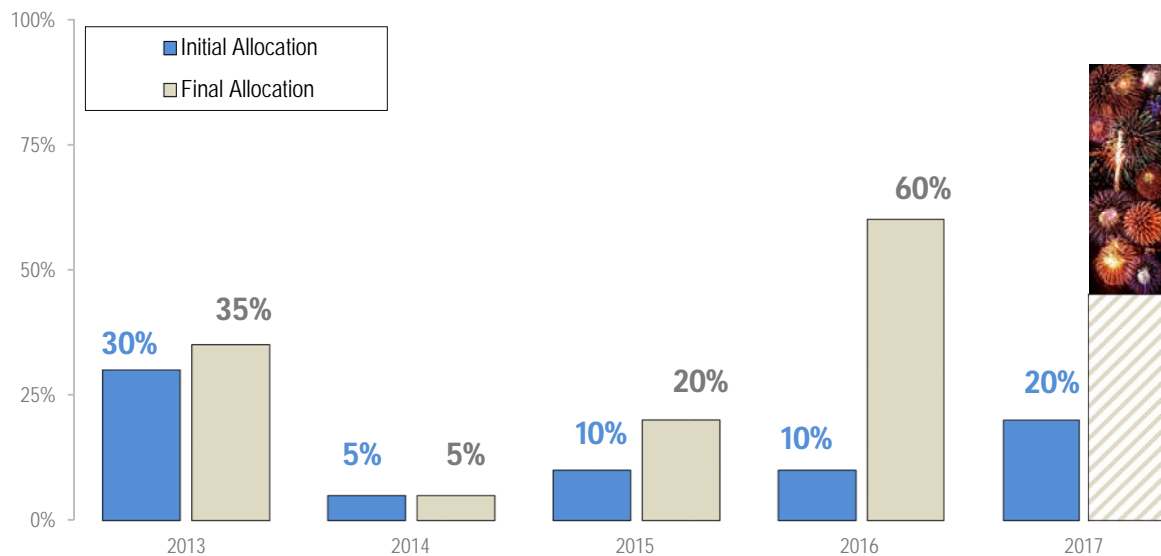
Santa Ana Year by Year Rainfall Comparison



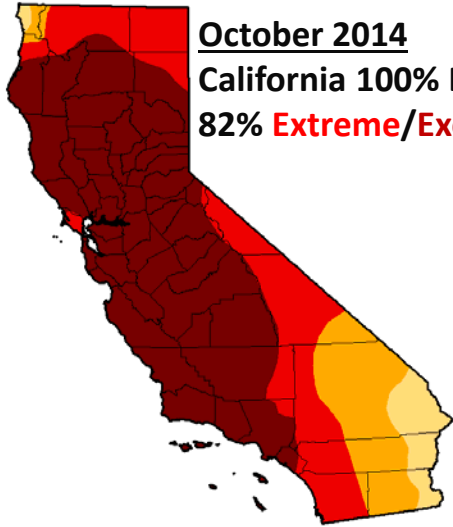
Reservoir Storage



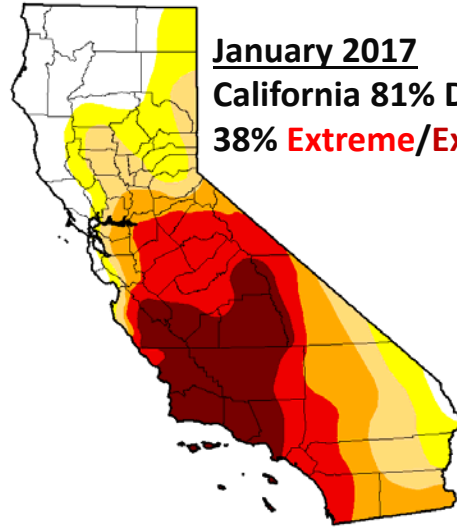
2016-17 SWP Table Allocation



CALIFORNIA DROUGHT EMERGENCY



October 2014
California 100% Drought
82% **Extreme/Exceptional**



January 2017
California 81% Drought
38% **Extreme/Exceptional**

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Executive Department
State of California

EXECUTIVE ORDER B-37-16
MAKING WATER CONSERVATION A CALIFORNIA WAY OF LIFE

WHEREAS California has suffered through a severe multi-year drought that has threatened the water supplies of communities and residents, devastated agricultural production in many areas, and harmed fish, animals and their environmental habitats; and

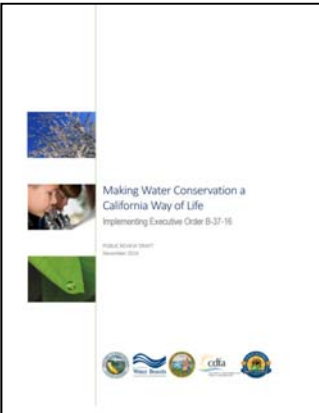

WHEREAS Californians responded to the drought by conserving water at unprecedented levels, reducing water use in communities by 23.9% between June 2015 and March 2016 and saving enough water during this period to provide 6.5 million Californians with water for one year; and

WHEREAS severe drought conditions persist in many areas of the state despite recent winter precipitation, with limited drinking water supplies in some communities, diminished water for agricultural production and environmental habitat, and severely-depleted groundwater basins; and


WHEREAS drought conditions may persist in some parts of the state into 2017 and beyond, as warmer winter temperatures driven by climate change reduce water supply held in mountain snowpack and result in drier soil conditions; and

WHEREAS these ongoing drought conditions and our changing climate require California to move beyond temporary emergency drought measures and adopt permanent changes to use water more wisely and to prepare for more frequent and persistent periods of limited water supply; and

WHEREAS increasing long-term water conservation among Californians, improving water use efficiency within the state's communities and agricultural production, and strengthening local and regional drought planning are critical to California's resilience to drought and climate change; and

EO B-37-16: Making Water Conservation a California Way of Life



CONSERVATION AS A WAY OF LIFE

KEY CONCEPTS

- Moving from Emergency (Temporary) to Permanent (ex: Road Medians)**
- Focus is on Conservation Not Supply**
- Targeting Legislative Expansion of Authority**
- Several Items Call for Future Changes**

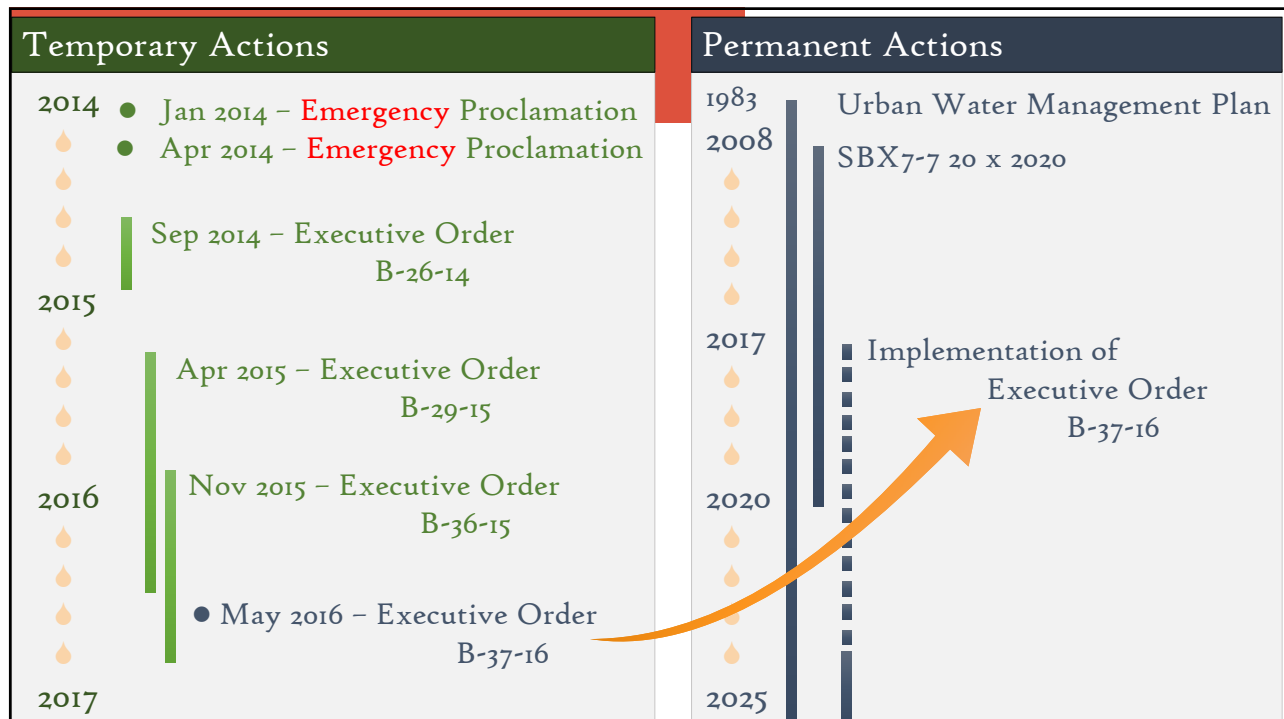


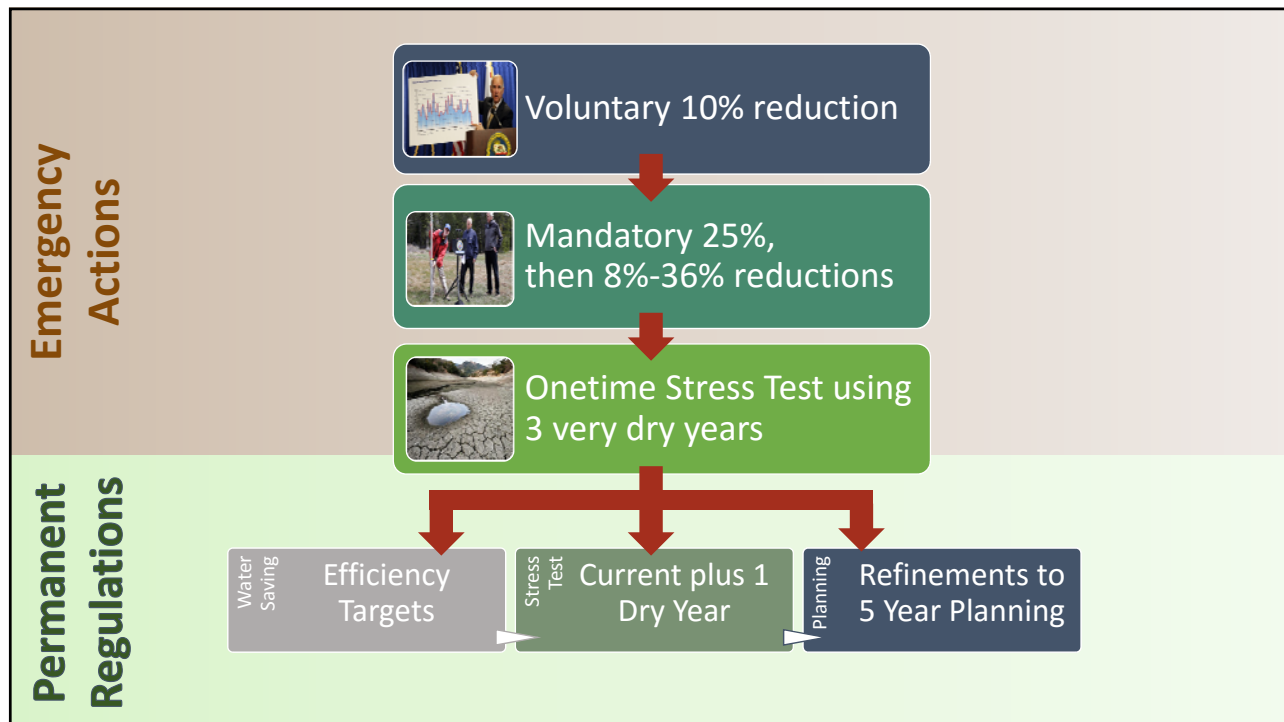



14

Recap of Implementation Draft Report

- ✿ Draft report issued, comments submitted & draft in transit to Governor's Office (January 20th)
- ✿ Final report to be published late January/early February
- ✿ Some initial proposals were modified with public input (Annual 5-year analysis)
- ✿ Peculiar approach to demonstrated planning problem
 - ✿ Urban Suppliers versus Rural/Small Suppliers
- ✿ Two Main Areas of Change
 - ✿ Existing Drought Response
 - ✿ Long-term 20x2020 Replacement (Efficiency Targets)





Executive Order Objectives

Executive Order B-37-16 contains four inter-related objectives:

-  Using Water More Wisely
-  Eliminating Water Waste
-  Strengthening Local Drought Resilience
-  Improving Agricultural Water Use Efficiency and Drought Planning



Legislative Focus

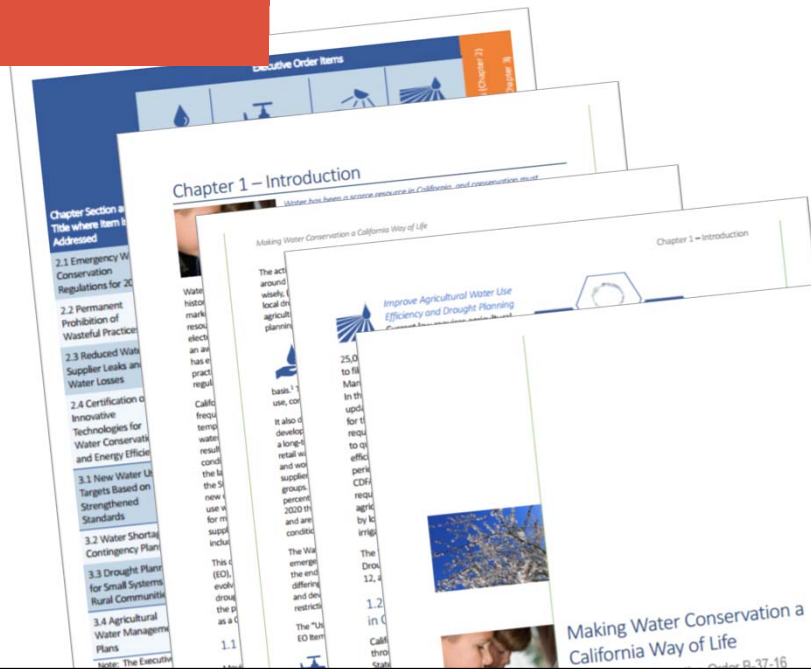
CHAPTER ORGANIZATION

- Existing Authorities
- New & Expanded Authorities

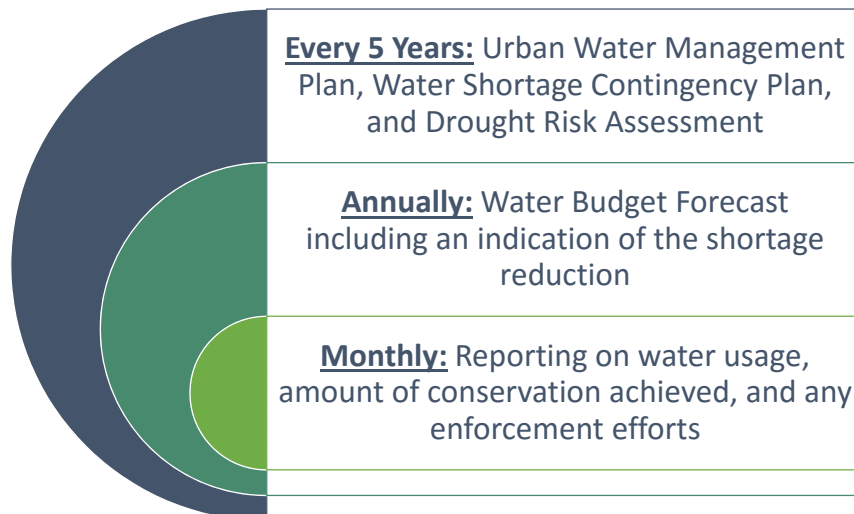
REPORT PRODUCTION

PROCESS SCHEDULE

FORMER GUBERNATORIAL LEGISLATIVE PACKAGE



Expanded Reporting Schedule



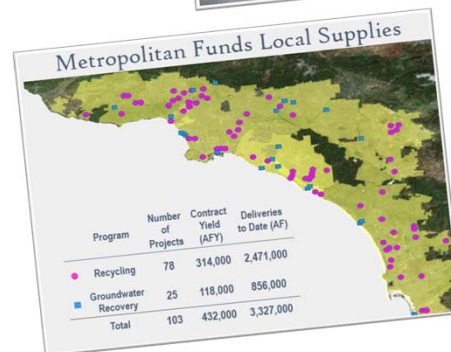
Legislation and Regulatory Rulemaking Priorities highlighted in Draft Report

- 💧 New and/or expanded authorities
- 💧 Provide Funding for Conservation and Efficiency (Public Goods Charge?)
- 💧 Improved drought planning for rural communities and small water suppliers.
- 💧 Eliminate barriers to co-funding projects with water and energy benefits
- 💧 Anticipated code amendments to support framework implementation:
 - 💡 Establish New Water Use Standards and Targets
 - 💡 Strengthening Water Shortage Contingency Planning
 - 💡 Strengthening Requirements for Agricultural Water Management







Areas of Concern

- 💧 Permanent restrictions
 - 💡 Medians
- 💧 Framework lacks supply and demand linkage
- 💧 Does not address problem with rural and small system
- 💧 Efficiency Standards
 - 💡 Changes will be Legislative or Administrative?



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**CALIFORNIA WATER FIX &
ECO RESTORE**

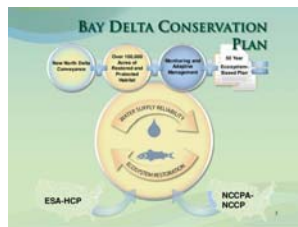


CALIFORNIA WATERFIX BACKGROUND

**FINAL EIR/EIS RELEASED
DECEMBER 30, 2016**



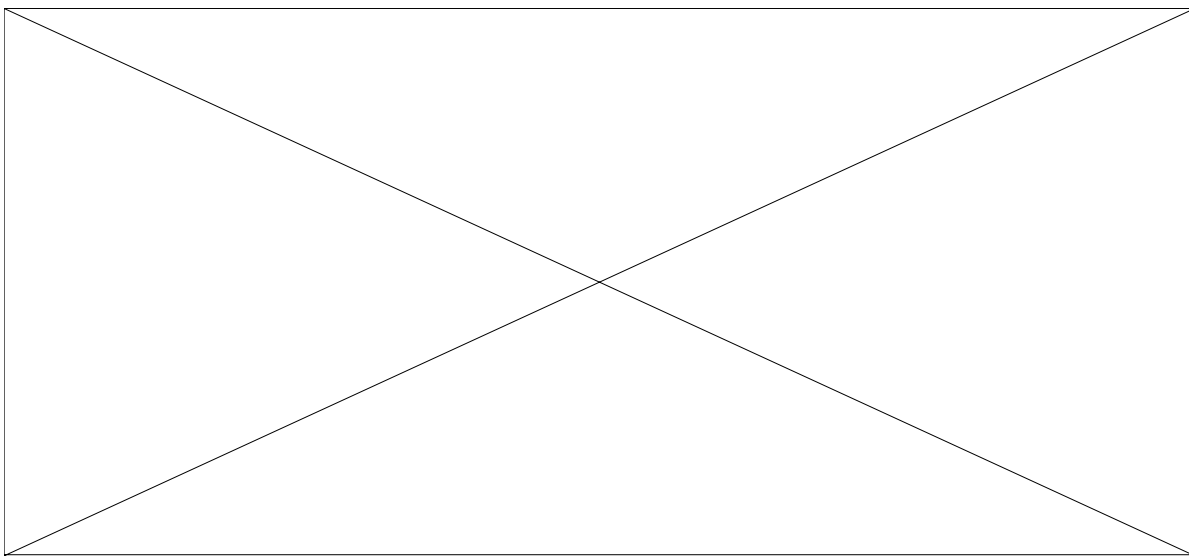
STATE WATER PROJECT: 1960
 PERIPHERAL CANAL: 1982
 DELTA CONSERVATION PLAN (BDCP): 2006
 DRAFT BDCP EIR/EIS: 2013
 RECIRCULATED DRAFT EIR/EIS: 2015
 FINAL EIR/EIS: 2016



**INTERIOR DEPT. SECRETARIAL ORDER
(1-4-17)**



CA WaterFix & EcoRestore



CALIFORNIA WATERFIX KEY POINTS

**FINAL EIR/EIS RELEASED
DECEMBER 2016**

STATE WATER PROJECT

- Serves 25 million Californians (64% of CA population)
- Sustains 3 million acres of Agriculture
- Provides 30% of water supply for Southern California
- Provides 20% of water supply for Orange County



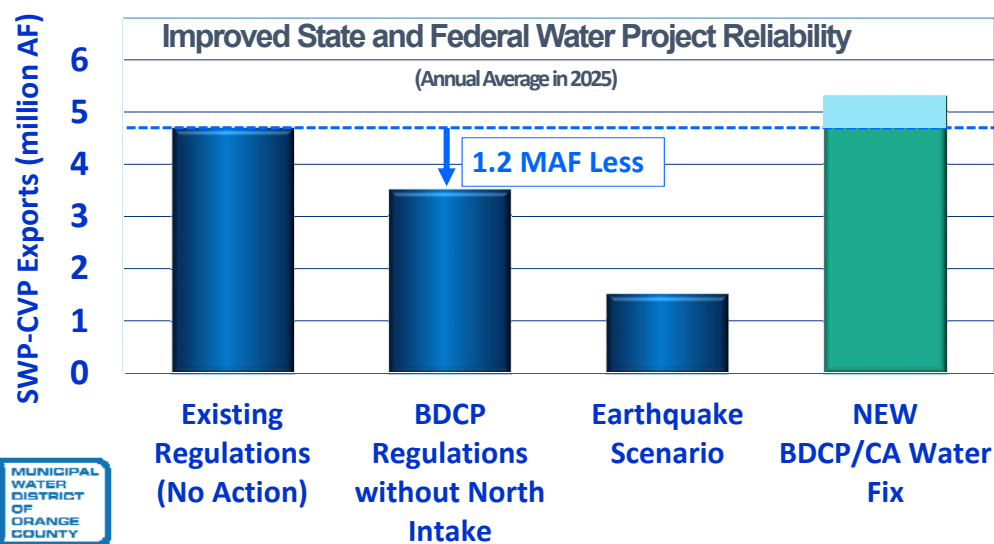
CALIFORNIA WATERFIX PROJECT & EIR/EIS

- 100 Alternatives
- 18 Project Alternatives + No Action Alternative
 - (15,000 cfs to 3,000 cfs)
- Alternative 4A
 - 2 Tunnels - 35 miles long x 40-feet diameter
 - 9,000 cfs



AVAILABILITY OF WATER SUPPLY IS LINKED TO FISH POPULATIONS

California Water Fix Economic Reliability



CALIFORNIA WATERFIX SCHEDULE

**FINAL EIR/EIS RELEASED
DECEMBER 2016**

❧ BIOLOGICAL OPINIONS (Section 7 Consultations)

- ❧ Initial Draft BIOPS January 2017
- ❧ Final Draft BIOPS March 2017
- ❧ Final BIOPS April 2017



❧ SPRING/SUMMER 2017

- ❧ Bureau of Reclamation Issues Record of Decision (ROD)
- ❧ DWR Certification of Final EIR/EIS
- ❧ DWR Project Approval
- ❧ DWR Issues Notice of Determination



❧ OTHER ACTIONS

- ❧ Cost Share Negotiations
- ❧ Regulatory Permits (USACOE, CDFW; SWRCB, etc.)
- ❧ LAWSUITS



29

CALIFORNIA WATERFIX NORTH-SOUTH POLITICS



30

CALIFORNIA WATERFIX OC ACTION PLAN



TAKE A FORMAL STAND



PASS A RESOLUTION OF SUPPORT



RESOLUTION NO. 2039

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY

SUPPORT FOR THE CALIFORNIA WATER FIX AND CALIFORNIA ECO RESTORE

WHEREAS, the Delta, formed by the confluence of the Sacramento and San Joaquin Rivers as they come together and flow into San Francisco Bay, is a major water hub for California's water supply system for the majority of the State, including 30% of the supplies for Southern California, and therefore underpins the overall economy of California, which stands equivalent to the 6th largest Country in the world; and,

... (+) 19

NOW THEREFORE BE IT RESOLVED THAT the Municipal Water District of Orange County does hereby support the California Eco Restore and California Water Fix Preferred Alternative (No.4A) as described in the environmental documents with reasonable adherence to the current, public operating criteria and cost allocation principles and assumptions.

CALIFORNIA WATERFIX OC ACTION PLAN



TAKE A FORMAL STAND



PASS A RESOLUTION OF SUPPORT



ACTIVELY OPPOSE ADVERSE LEGISLATION



DIRECT & INDIRECT



CALIFORNIA WATERFIX OC ACTION PLAN

- ✿ **TAKE A FORMAL STAND**
- ✿ **PASS A RESOLUTION OF SUPPORT**
- ✿ **ACTIVELY OPPOSE ADVERSE LEGISLATION**
- ✿ **DIRECT & INDIRECT**
- ✿ **MAKE IT A PRIORITY WITH OC's DELEGATIONS**
- ✿ **FEDERAL & STATE**
- ✿ **REPEATED, CONSISTENT MESSAGE**



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