ELECTED OFFICIALS FORUM
Municipal Water District of Orange County
January 5, 2017

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

109% of Normal

9.6 in. Water Year to Date
Historical Northern California Accumulated Precipitation

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

<table>
<thead>
<tr>
<th></th>
<th>Historical Average</th>
<th>Wettest Year (1997-98)</th>
<th>Driest Year (2006-07)</th>
<th>2015-16</th>
<th>2016-17</th>
</tr>
</thead>
</table>

Rainfall (Inches)
Reservoir Storage

State Water Project, Colorado River, and MWD Reservoir Storage as of January, 3rd 2017

Lake Shasta
- 73% / 118%

Lake Oroville
- 56% / 91%

San Luis Resv.
- 62% / 90%

Lake Mathews
- 75%

Lake Mead
- 39% / 53%

% of Capacity
% of Historical Avg

2016-17 SWP Table Allocation

- Initial Allocation
- Final Allocation

- 2013: 30% / 5%
- 2014: 35% / 5%
- 2015: 10% / 20%
- 2016: 10% / 60%
- 2017: 20%
CALIFORNIA DROUGHT EMERGENCY

October 2014
California 100% Drought
82% Extreme/Exceptional

January 2017
California 81% Drought
38% Extreme/Exceptional

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

Consort 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
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)

Temporary Actions

- 2014
  - Jan 2014 – Emergency Proclamation
  - Apr 2014 – Emergency Proclamation
- 2015
  - Sep 2014 – Executive Order B-26-14
- 2016
  - Apr 2015 – Executive Order B-29-15
  - Nov 2015 – Executive Order B-36-15
- 2017
  - May 2016 – Executive Order B-37-16

Permanent Actions

- 1983
- 2008
- 2017
- 2020
- 2025

Urban Water Management Plan
SBX7-7 20 x 2020
Implementation of Executive Order B-37-16
Voluntary 10% reduction

Mandatory 25%, then 8%-36% reductions

Onetime Stress Test using 3 very dry years

Water Saving

Efficiency Targets

Stress Test

Current plus 1 Dry Year

Refinements to 5 Year Planning

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
- RUMORED GUBERNATORIAL LEGISLATIVE PACKAGE

Expanded Reporting Schedule

- **Every 5 Years:** Urban Water Management Plan, Water Shortage Contingency Plan, and Drought Risk Assessment
- **Annually:** Water Budget Forecast including an indication of the shortage reduction
- **Monthly:** Reporting on water usage, amount of conservation achieved, and any enforcement efforts
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

**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

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California Water Fix
Economic Reliability

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![Bar Chart](chart.png)
CALIFORNIA WATERFIX SCHEDULE

**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

FINAL EIR/EIS RELEASED
DECEMBER 2016
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,

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

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

ELECTED OFFICIALS FORUM
Municipal Water District of Orange County
January 5, 2017

Happy New Year 2017