

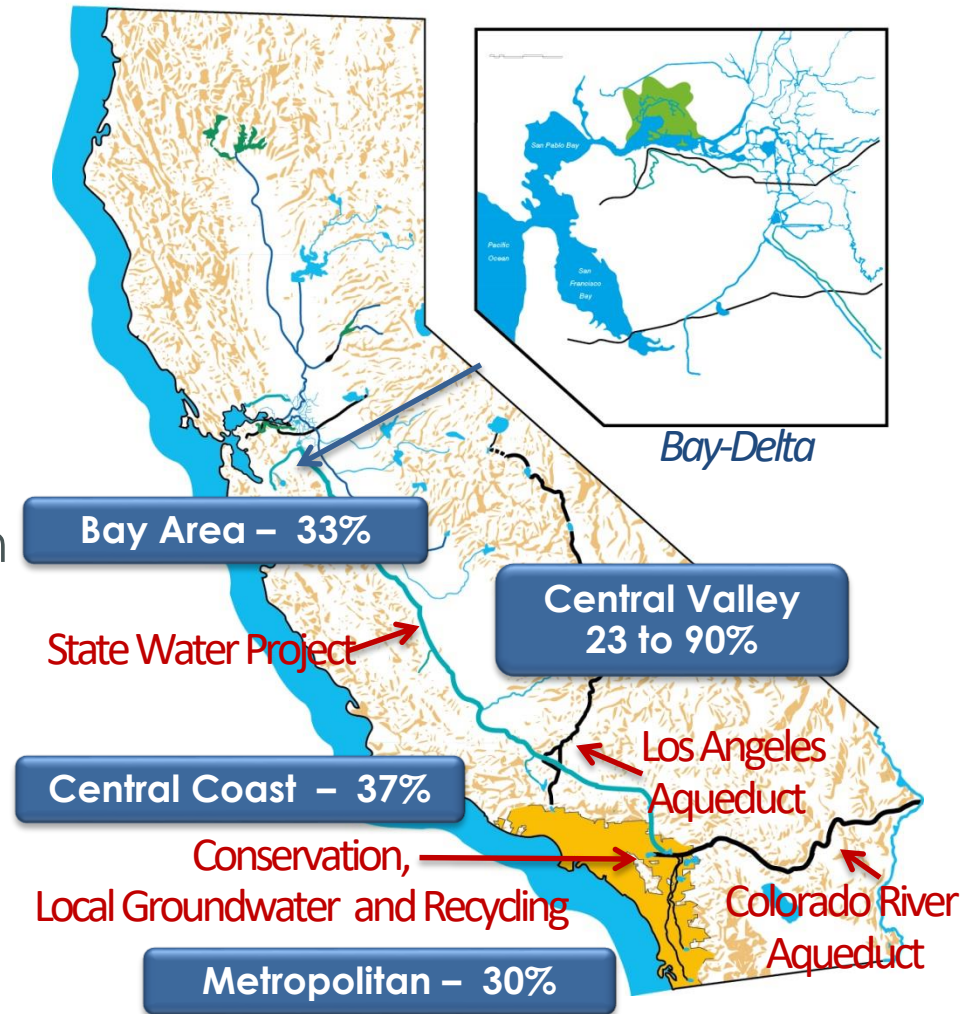
# California WaterFix: Modernizing the System

Roger K. Patterson  
California Water Association  
May 17, 2018



# Sacramento/San Joaquin Bay-Delta Critical to California

- Highly altered ecosystem
- Highly studied area
- Some regions are 100% dependent on Bay-Delta supplies
- Critical to California population and economy
- Unsustainable
- History of policy challenges





Sea Level Rise



Subsidence



## Delta Risks



Seismic



Fishery Declines



# Project Overviews



- Protects water supplies with Delta system upgrades
- Uses dual tunnel facilities and environmental mitigation
- Financed by investments from water users

- Improves long-term health of native fish and wildlife
- Restores vital habitat
- ~ 30,000 acres in 5 years
- Supported by broader public funding





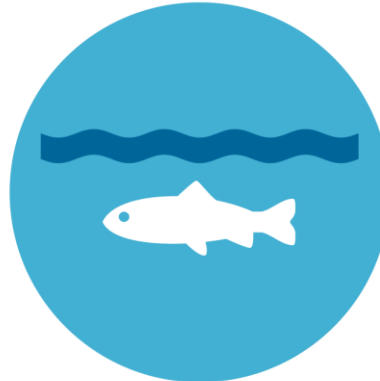
# California WaterFix Infrastructure

- Three new intakes (3,000 cfs each) on the Sacramento River
- Two gravity-fed tunnels up to 150' below ground
- Consolidated pumping plant brings water in South Delta to SWP/CVP facilities

# Modernizing the State's Water Delivery System will Result in Multiple Benefits



**SEISMIC  
RESILIENCY**



**PROTECT  
FISH**



**CLIMATE  
ADAPTATION**



**WATER  
RELIABILITY**



**RESTORE  
NATURAL FLOW PATTERNS**



**IMPROVED  
WATER QUALITY**

# CA WaterFix and BDCP Board Review/Actions

## 2004-2006

**4 Board Actions**  
**14 Updates**  
**1 Workshop/Retreat**

- Financing Principles
- Long-term Principles
- BDCP Planning Agreement
- BDCP Cost-Sharing Agreement

## 2007-2009

**7 Board Actions**  
**18 Updates**  
**2 Workshops/Retreats**

- Delta Action Plan
- Conveyance Principles
- Governance Principles
- BDCP MOA Agreement
- Initial Funding Agreement
- Delta Reform Act
- Amend Planning Agmt

## 2010-2018

**3 Board Actions**  
**74 Updates**  
**7 Workshops/Retreats**

- BDCP MOA Amendment
- Supplemental Funding
- CA WaterFix Approval

# California WaterFix

- DWR approved CA WaterFix Jul 2017
  - 9,000 cfs, two tunnels, and three intakes
- Public Water Agencies (PWAs) consider CA WaterFix Sep-Oct 2017
  - Metropolitan Board approved 25.9 percent share of financing the project Oct 2017
- Westlands Water District vote to not participate in CA WaterFix Sep 2017
- DWR announced option of staged construction Feb 2018
- Metropolitan Board directs staff to explore opportunities for full project financing Feb 2018
- Metropolitan Board votes to provide the additional financing necessary to allow for the construction of full project Apr 2018



*“Water agencies and their partners throughout the state have spent years and hundreds of millions of dollars developing the full WaterFix project for a reason: it does the most to prepare for our future.*

*Staging its construction...will risk serious delay in permitting and jeopardize the entire project”*

GOV. JERRY BROWN, urging Metropolitan's Board to support the full California WaterFix Project

APRIL 9, 2018

# Metropolitan Water District

## Member Agency Votes

| Member Agency                  | Vote Entitlement |
|--------------------------------|------------------|
| Anaheim                        | 1.58%            |
| Beverly Hills                  | 1.17%            |
| Burbank                        | 0.84%            |
| Calleguas MWD                  | 3.61%            |
| Central Basin MWD              | 5.08%            |
| Compton                        | 0.16%            |
| Eastern MWD                    | 2.69%            |
| Foothill MWD                   | 0.64%            |
| Fullerton                      | 0.69%            |
| Glendale                       | 1.10%            |
| Inland Empire Utilities Agency | 3.80%            |
| Las Virgenes MWD               | 0.89%            |
| Long Beach                     | 1.75%            |

| Member Agency        | Vote Entitlement |
|----------------------|------------------|
| Los Angeles          | 20.37%           |
| MWD of Orange County | 17.15%           |
| Pasadena             | 1.05%            |
| San Diego CWA        | 17.48%           |
| San Fernando         | 0.07%            |
| San Marino           | 0.23%            |
| Santa Ana            | 0.92%            |
| Santa Monica         | 1.26%            |
| Three Valleys MWD    | 2.39%            |
| Torrance             | 1.01%            |
| USGV MWD             | 3.62%            |
| West Basin MWD       | 6.85%            |
| Western MWD          | 3.60%            |



EDITORIAL LA TIMES OPINION

# The delta tunnels plan is costly, risky and unfair to L.A. It's also the right thing to do

LA Times

By THE TIMES EDITORIAL BOARD APR 12, 2018 | 4:10 AM



The Sacramento River in the San Joaquin-Sacramento River Delta, near Courtland, Calif. on Feb. 23, 2016. (Rich Pedroncelli / Associated Press)



# California WaterFix Summary of Costs

| COSTS                            | FULL PROJECT                                  |
|----------------------------------|-----------------------------------------------|
| Metropolitan Share               | 64.6%                                         |
| Metropolitan Capital Cost        | UP TO \$10.8 BILLION                          |
| Overall Metropolitan Rate Impact | UP TO 2.2%<br>(ANNUAL INCREASE OVER 15 YEARS) |
| Household Cost*                  | UP TO \$4.80/MONTH                            |

*\*Estimated average household cost in MWD service area. Assumes 4% interest rate based on 6.2 million households and residential sector paying 70 percent of costs. The per household cost will vary depending on retail agencies' rate decisions.*



# California WaterFix

## Next steps

- Design and Construction Authority
- Finance JPA startup
- Evaluate proposals and award contracts
  - Executive Director Services
  - Engineering Design Manager Services
  - Geotechnical Engineering Services
  - Real Estate Services
  - Survey, Mapping, Right of Way Engineering/Title Services
- Remaining permitting and approvals



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