



# Update on Delta Conveyance

Long Beach Board of Water Commissioners  
December 3, 2020

# Overview

- Delta Conveyance
  - Background
  - Project overview
  - Funding Agreement
  - Update Delta Conveyance Design and Construction Authority governance
- Next steps

# Bay-Delta Committee

Sep

## Overview

- Preliminary costs
- Preliminary benefits
- Funding Agreement

Oct

## DCA Agreement

- DCA Formation Agreement
- Address questions from September Bay-Delta Committee meeting

Nov

## Outline Proposed Board Action

- Framework of proposed Board action

Dec

## Board Action

- Funding request for planning costs
- Potential updates to DCA governance

*Monthly updates on Delta Conveyance Design and Construction Authority, Delta Conveyance Finance Authority, and Delta Conveyance Authority Delta Stakeholder Engagement Committee*

# Delta Conveyance Timeline



**Jul 2017**  
DWR  
Approved  
CA WaterFix



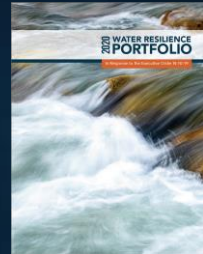
**Feb 2019**  
Gov. Newsom  
State of the  
State Address



**May 2019**  
DWR  
Rescinded  
approvals of  
CA WaterFix



**Jan 2020**  
DWR Released  
Delta Conveyance  
NOP



**2020**  
Water  
Resilience  
Portfolio  
Draft (Jan)  
Final (July)

**May 2018**  
DCDCA  
Formed

**Jul 2018**  
FJPA  
Formed



**Jul 2019-Apr 2020**  
Public Negotiations  
between  
DWR and PWAs

# Delta Conveyance

## Metropolitan Board Actions

### December 2020 2021-22 Planning Costs

- Funding Agreement for planning costs
- Review Delta Conveyance Agreement in Principle
- Updates to Delta Conveyance Design and Construction Authority

### Post-2022 Planning Costs

- Funding agreement for additional planning costs

### Project Participation

- Approve Project/Contract Amendment for Conveyance

## Regulatory Actions

◆ Draft EIR/S

◆ Final EIR/S

◆ Federal/State ESA Approvals

◆ Project Approval ROD/NOD

◆ SWRCB  
Change in Point of Diversion

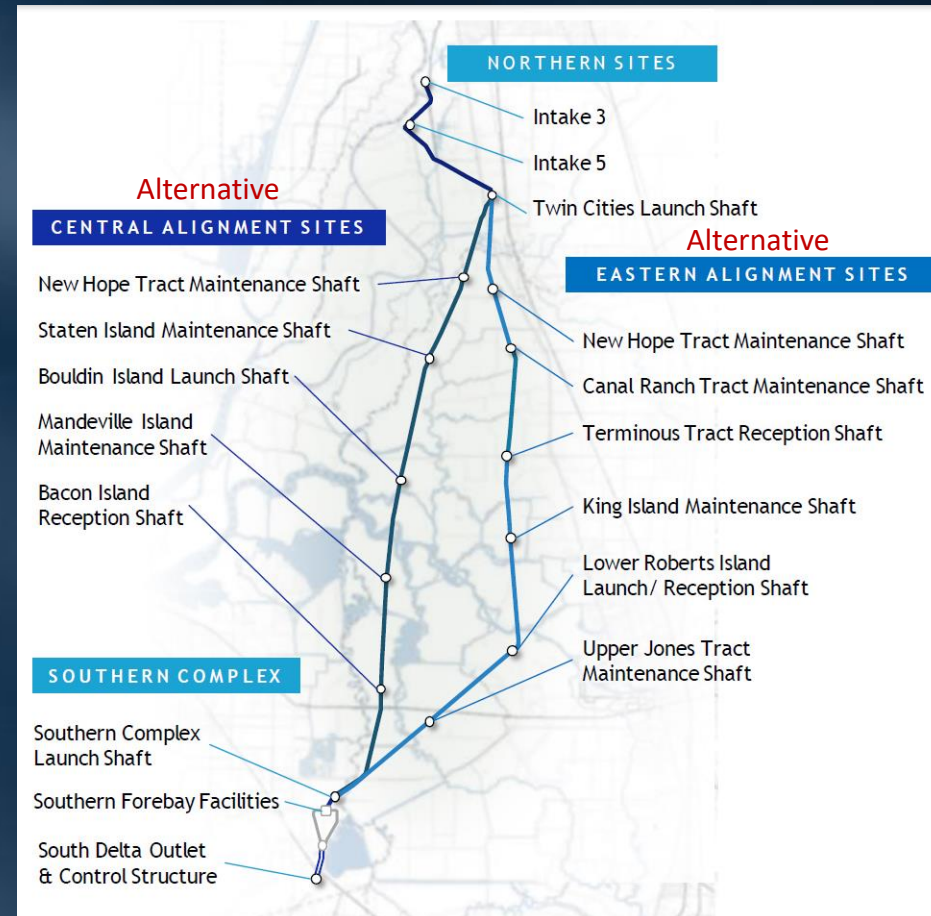
◆ DSC  
Certification of Consistency

*This slide does not show all necessary permits and regulatory processes. It is a general representation of one way DWR may seek to comply with regulatory requirements.*



# Delta Conveyance Notice of Preparation New Facilities

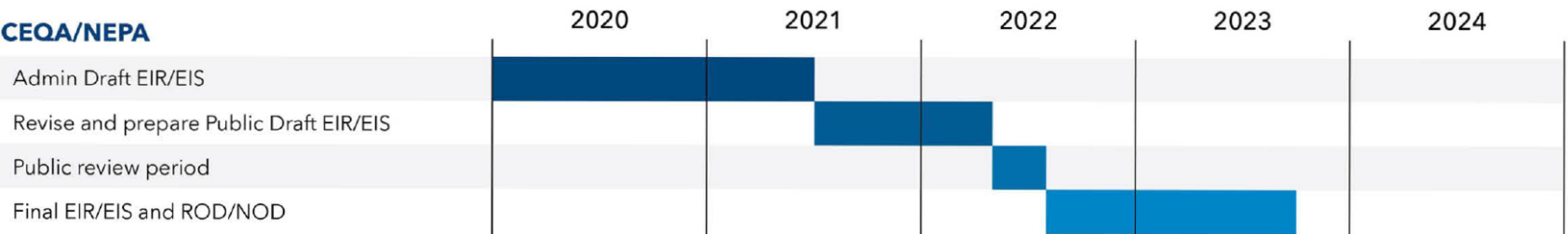
- One Tunnel - Total capacity 6,000 cfs
- Two intakes at 3,000 cfs each
- 42 miles of tunnel and associated shafts
- Southern complex facilities
  - Pump station
  - Forebay
  - Connections to existing CA Aqueduct



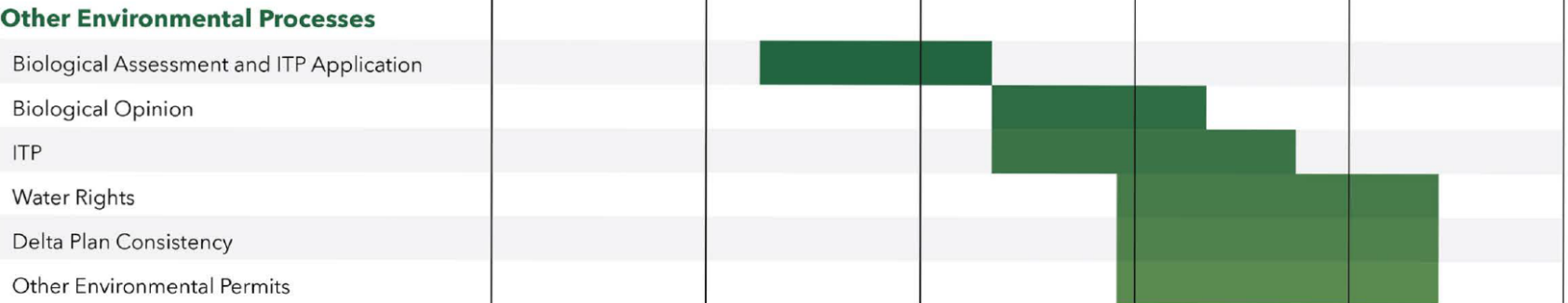
# Project Schedule

## Delta Conveyance Project Schedule

### CEQA/NEPA



### Other Environmental Processes



# Preliminary DCA Cost Assessment

DCA Program Scope:	Cost assessment based on DWR's Proposed Project in NOP Conceptual Engineering Report (CER) is not completed
Purpose:	Early cost assessment to inform Public Water Agency's investment in project planning
DCA Cost Assessment:	\$15.9 billion in non-discounted dollars
Included:	Based on preliminary engineering, but includes project costs for construction, management, oversight, mitigation, planning, soft costs, and contingencies



# Project Objectives Defined

CLIMATE RESILIENCY:	Addresses climate change, extreme weather, and rising sea-levels in the Delta for the SWP
SEISMIC RESILIENCY:	Minimizes health/safety risk to public from earthquake-caused reductions in water delivery quality and quantity from the SWP
WATER SUPPLY RELIABILITY:	Restores and protects ability to deliver SWP water in compliance with regulatory and contractual constraints
OPERATIONAL RESILIENCY:	Provides SWP operational flexibility to improve aquatic conditions and manage risks of additional future constraints

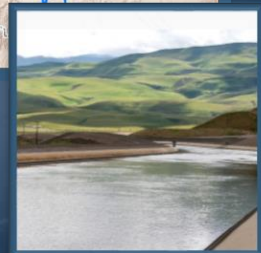
# Delta Conveyance Provides Benefits to Wholesale System Resiliency

## Board Policy

Stabilize State Water Project supplies and manage to meet local water supply needs

Delta Conveyance will help achieve this goal by:

- Addressing rising sea level conditions and foreseeable consequences of climate change
- Minimizing public health and safety impacts of water deliveries if major SWP service interruption occurs due to seismic events
- Reducing risk of shortages during times of drought
- Enhancing regional groundwater and local storage capability
- Providing greater flexibility in operating the wholesale regional system, especially in SWP reliant portions



# SWP Contractors

## By Region



Region	SWP Contractors by Region
Feather River	County of Butte Plumas County FC&WCD City of Yuba City
North Bay	Napa County FC&WCD Solano County WA
South Bay	Alameda County FC&WCD Zone 7 Alameda County WD Santa Clara Valley WD
San Joaquin Valley	Oak Flat WD County of Kings Dudley Ridge WD Empire West Side ID Kern County WA Tulare Lake Basin WSD
Central Coastal	San Luis Obispo County FC&WCD Santa Barbara County FC&WCD
Southern California	Antelope Valley-East Kern WA Coachella Valley WD Crestline Lake Arrowhead WA Desert Water Agency Littlerock Creek ID Metropolitan Water District Mojave Water Agency Palmdale Water District San Bernardino Valley MWD San Gabriel Valley MWD San Gorgonio Pass WA Santa Clarita Valley WA Ventura County WPD

# SWP Contractors

By Region

## North of Delta Non-Participant Share



Region	SWP Contractors by Region North of Delta
Feather River	County of Butte Plumas County FC&WCD City of Yuba City
North Bay	Napa County FC&WCD Solano County WA
<b>Total North of Delta Table A</b>	<b>2.79 percent</b>

- North of Delta Table A amount (2.79%) is then allocated to all participating PWAs on the project
- This allocation is applied based on the respective Table A amount

# SWP Contractors

By Region

## South of Delta Non-Participant Share



Region	SWP Contractors by Region
South of Delta	
San Joaquin Valley	Oak Flat WD County of Kings Empire West Side ID Tulare Lake Basin WSD
Central Coast	Santa Barbara County FC&WCD
Southern California	Littlerock Creek ID
<b>South of Delta Table A</b>	<b>3.79 percent</b>

- South of Delta Table A amount (3.79%) is then allocated to all participating PWAs on the project except Kern and Metropolitan



# SWP Contractors

By Region

## South of Delta Participating Agencies



Region	SWP Contractors by Region
South of Delta	
South Bay	Alameda County FC&WCD Zone 7 Alameda County WD Santa Clara Valley WD
San Joaquin Valley	Dudley Ridge WD Kern County WA
Central Coastal	San Luis Obispo County FC&WCD
Southern California	Antelope Valley-East Kern WA Coachella Valley WD Crestline Lake Arrowhead WA Desert Water Agency Metropolitan Water District Mojave Water Agency Palmdale Water District San Bernardino Valley MWD San Gabriel Valley MWD San Geronio Pass WA Santa Clarita Valley WA Ventura County WPD

● 18 Public Water Agencies participating

● Kern County Water Agency

● Agriculture	20.33%
● MI	3.23%



# Delta Conveyance

## SWP Public Water Agency Board Consideration/Action

Agency	Date (Planned)	Board Action
Palmdale Water District	Nov 9	✓
Coachella Valley Water District	Nov 10	✓
Dudley Ridge Water District	Nov 11	✓
Alameda County Water District	Nov 12	✓
Mojave Water Agency	Nov 12	✓
San Gabriel Valley Municipal Water District	Nov 16	✓
San Geronio Pass Water Agency	Nov 16	✓
Desert Water Agency	Nov 17	✓
San Bernardino Valley Municipal Water District	Nov 17	✓
San Luis Obispo County FC&WCD	Nov 17	✓
Santa Clara Valley Water District	Nov 17	✓
Santa Clarita Valley Water Agency	Nov 17	✓
Alameda County Flood Control & Water Conservation District Zone 7	Nov 18	✓
Empire West Side Irrigation District	Nov 18	✓
Kern County Water Agency	Nov 18	✓
Antelope Valley-East Kern Water Agency	Nov 24	
Crestline-Lake Arrowhead Water Agency	Dec 3	
Ventura County Watershed Protection District	Dec 8	
Metropolitan Water District	Dec 8	

# Proportionate Share = Proportionate Benefit

Metropolitan Table A amount	45.81%
Metropolitan with North of Delta (NOD) amount	47.13%
Metropolitan NOD Share with Kern Table A	Up to 65%

- Future Investment would:
  - Provide benefits to the wholesale system resiliency
  - Increase water resource management flexibility with increased investment
  - Provide an opportunity to transfer costs and benefits

# Delta Conveyance Project Planning Budget

Calendar Year	Original Budget <sup>1</sup> (\$ millions)	Total Planning (Reduced Budget) (\$ millions)	Total Savings Estimates (\$ millions)
2021	\$80.7	\$63.2	\$17.5
2022	\$87.7	\$61.7	\$26.0
2023	\$112.8	\$102.8	\$10.0
2024	\$113.1	\$113.1	—
<b>Total</b>	<b>\$394.2</b>	<b>\$340.7</b>	<b>\$53.5</b>

Metropolitan Share (Assuming up to 65%) = \$81.2 million for years 1-2

<sup>1</sup>This budget includes funds that were contributed as part of the California WaterFix funding by subset of SWP Contractors.

Both the annual budget amounts and Metropolitan share amounts are under review, subject to modification, and percentage share will be updated and finalized when brought to board for action.

# Funding Agreement

## Summary of Provisions

- Funding Agreements for \$124.9 million (2021-2022) or \$340.7 million (2021-2024) for total planning costs
- Authorizes contributed funds to be spent on DCA invoices consistent with the Joint Exercise of Powers Agreement and with DWR's Delta Conveyance Office environmental planning costs
- Allows customization for contributed funds and either two or four years of planning costs
- Supports overall planning schedule and decisions
- Supports engineering services needed for environmental planning and permitting decisions

# Proposed DCA Board of Directors

## Seven Member Board

MWD	Kern County	Santa Clara
1 seat	1 seat	1 seat
Class 8 Contractor	Class 3, 5 and 7	Class 2 <sup>1</sup> Contractor
2 seats	1 seat	1 seat

<sup>1</sup>Does not include Santa Clara Valley Water District

# Bay-Delta Committee

Sep

## *Overview*

- *Preliminary costs*
- *Preliminary benefits*
- *Funding Agreement*

Oct

## *DCA Agreement*

- *DCA Formation Agreement*
- *Address questions from September Bay-Delta Committee meeting*

Nov

## *Outline Proposed Board Action*

- *Framework of proposed Board action*

Dec

## *Board Action*

- *Funding request for planning costs*
- *Potential updates to DCA governance*

*Monthly updates on Delta Conveyance Design and Construction Authority, Delta Conveyance Finance Authority, and Delta Conveyance Authority Delta Stakeholder Engagement Committee*





# Delta Conveyance Stakeholder Engagement Committee Virtual Tours

- Proposed Project Overview  
<https://youtu.be/xWGD1kuwb7Q>
- Intakes  
<https://youtu.be/JRkYO4FGTP8>
- Tunnels and Shafts  
<https://youtu.be/HKxS5r3i-gc>
- Southern Forebay  
[https://youtu.be/TL\\_1JZD2JZY](https://youtu.be/TL_1JZD2JZY)
- South Delta Conveyance  
<https://youtu.be/XhmDIjSKLMw>

