



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



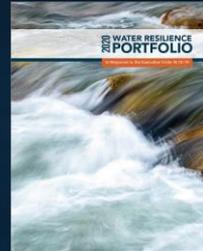
Feb 2019
Gov. Newsom
State of the
State Address



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Rescinded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

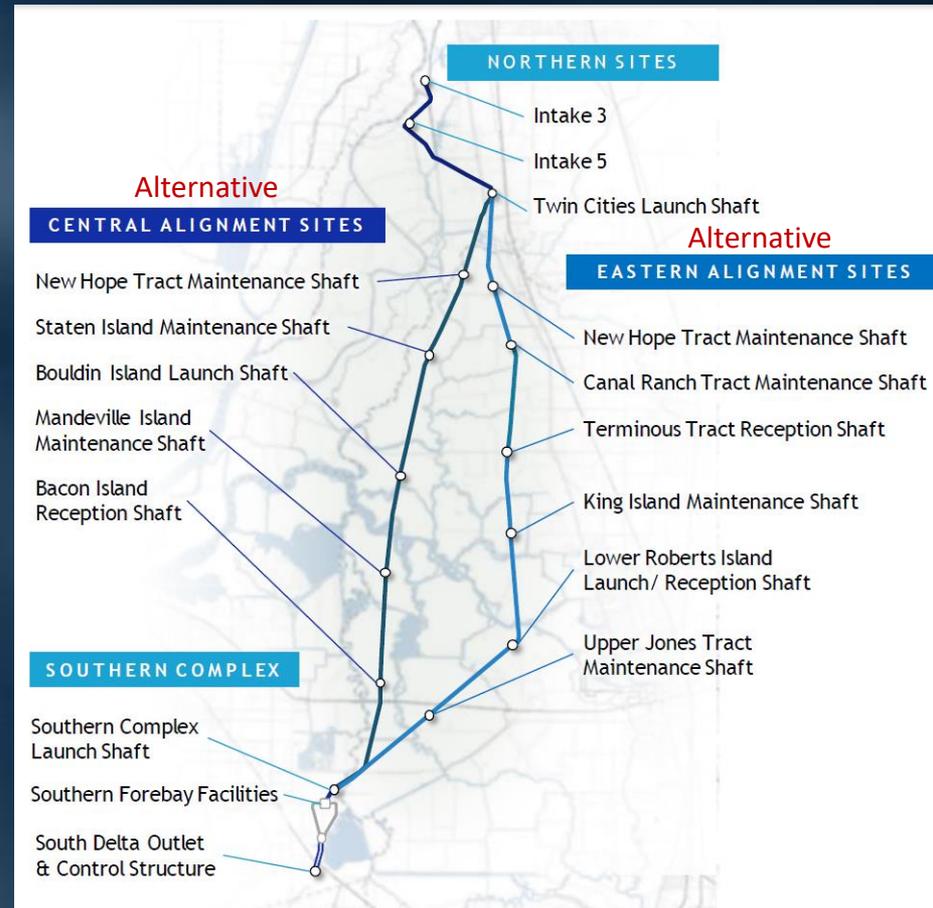
◆ SWRCB
Change in Point of Diversion

◆ 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.

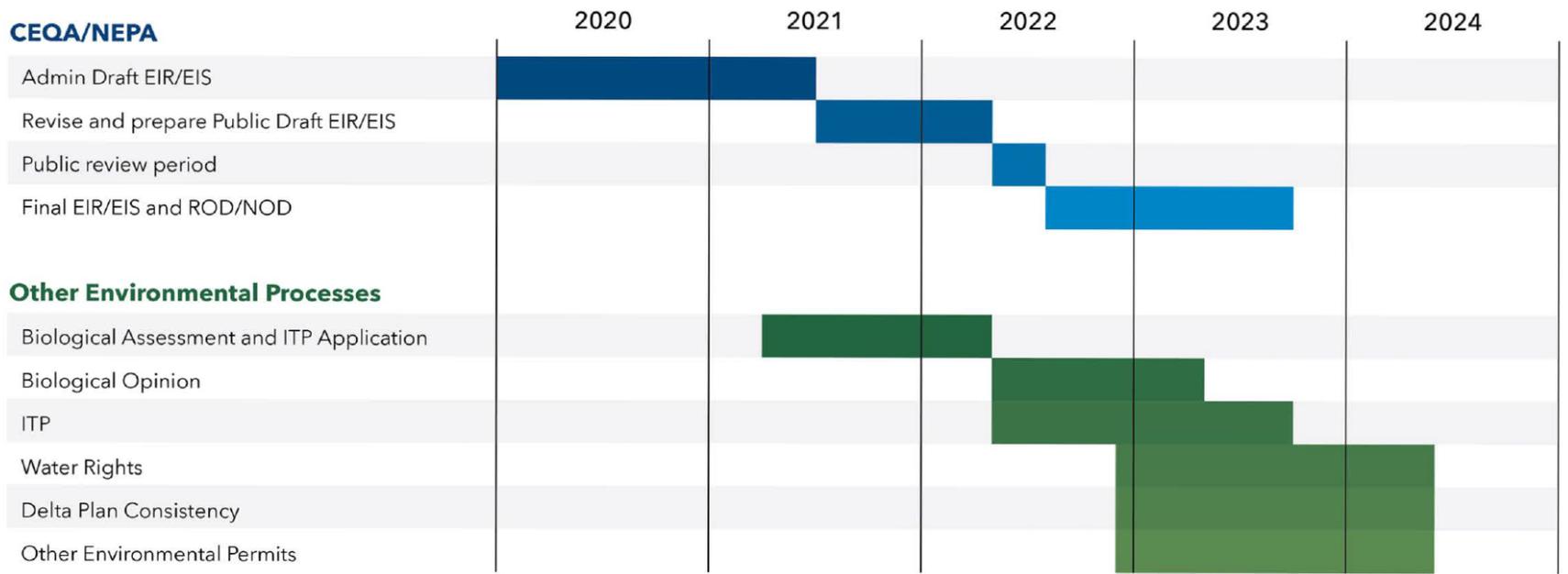
Delta Conveyance Notice of Preparation New Facilities

- 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



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
Total North of Delta Table A	2.79 percent

- 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 Coastal	Santa Barbara County FC&WCD
Southern California	Littlerock Creek ID
South of Delta Table A	3.79 percent

- 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 ¹ (\$ 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	—
Total	\$394.2	\$340.7	\$53.5

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

¹This 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 1 seat	Kern County 1 seat	Santa Clara 1 seat
Class 8 Contractor 2 seats	Class 3, 5 and 7 1 seat	Class 2 ¹ Contractor 1 seat

¹Does not include Santa Clara Valley Water District

Bay-Delta Committee

Sep

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- *Preliminary benefits*
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- *Framework of proposed Board action*

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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
- South Delta Conveyance
<https://youtu.be/XhmDIjSKLMw>

