

Modernizing Delta Conveyance



Graham Bradner

*Delta Conveyance Design Construction Authority
(DCDCA) Executive Director*

WWW.DELTACONVEYANCEPROJECT.COM | WWW.DCDCA.ORG

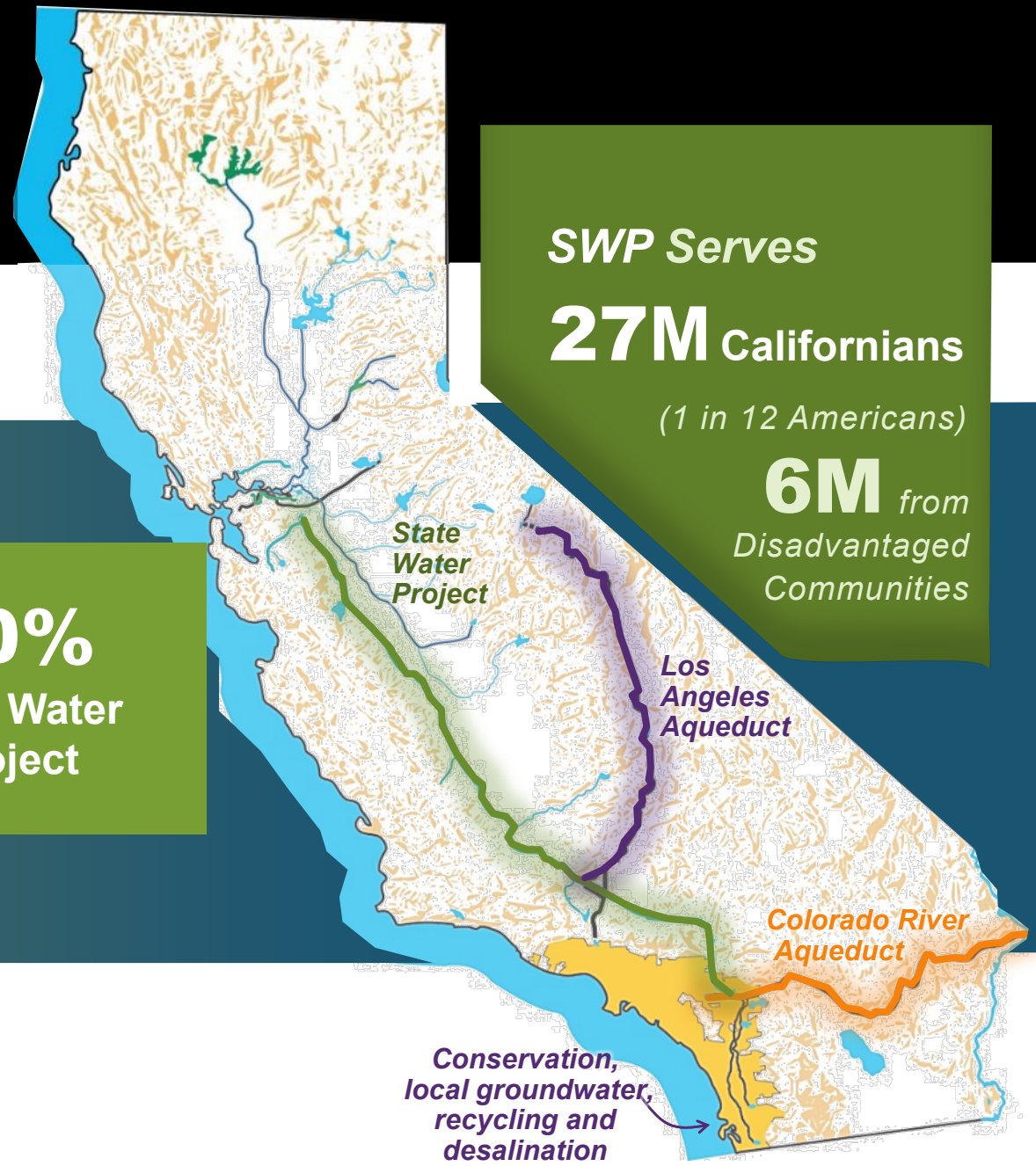
Where Southern California Gets Its Water

45%
Local sources

25%
Colorado River

30%
State Water Project

SWP Serves
27M Californians
(1 in 12 Americans)
6M from
Disadvantaged Communities



Conservation, local groundwater, recycling and desalination

Climate Change Impacts

**Less Local
Groundwater Recharge**

**Lower
SWP Deliveries**

**Colorado River
Shortage**



Delta Risks Are Mounting



Climate
Change

Sea Level
Rise

Seismic
Events



Missed Conveyance Opportunities This Water Year



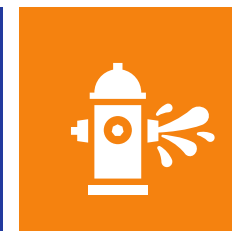
236,000
Acre-Feet of Water



Enough water to
Supply Over

2.5 Million
People

or Nearly 850,000
Households for One Year



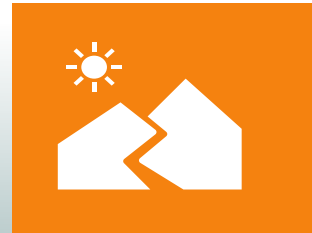
Delta Conveyance Provides
Operational Flexibility

Delta Conveyance Project – Time to Modernize Now

PURPOSE OF DCP



An Essential
Climate
Adaptation
Strategy



Protect
Against Future
Water Supply
Losses due to
drought, Sea Level
Rise and Earthquake
Disruptions

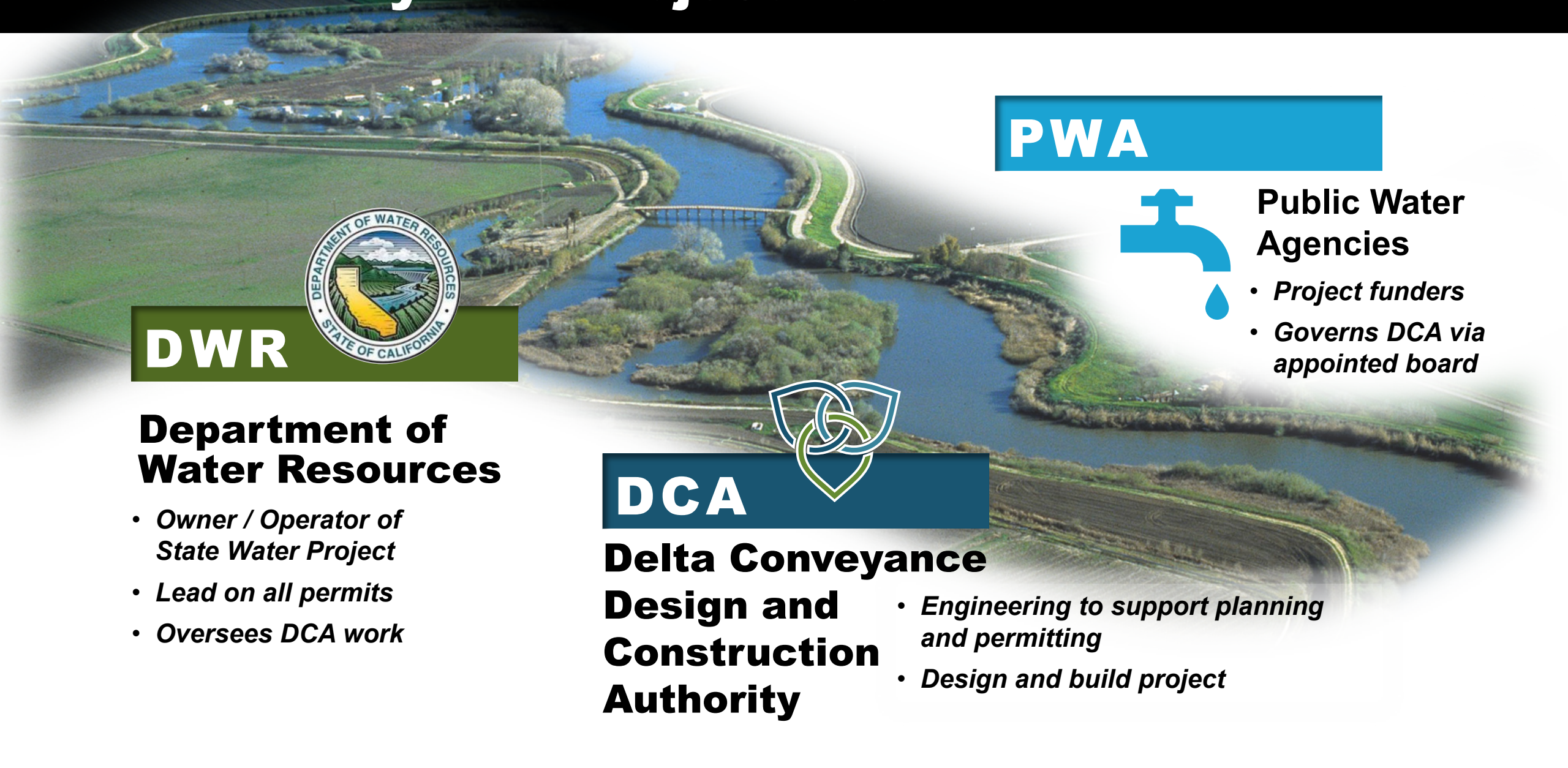


Make the Most of
Big but Infrequent
Storm Events



Capture, Move and
Store Water when
it is Available

Delta Conveyance Project Team



DWR



Department of Water Resources

- *Owner / Operator of State Water Project*
- *Lead on all permits*
- *Oversees DCA work*

DCA



Delta Conveyance Design and Construction Authority

- *Engineering to support planning and permitting*
- *Design and build project*

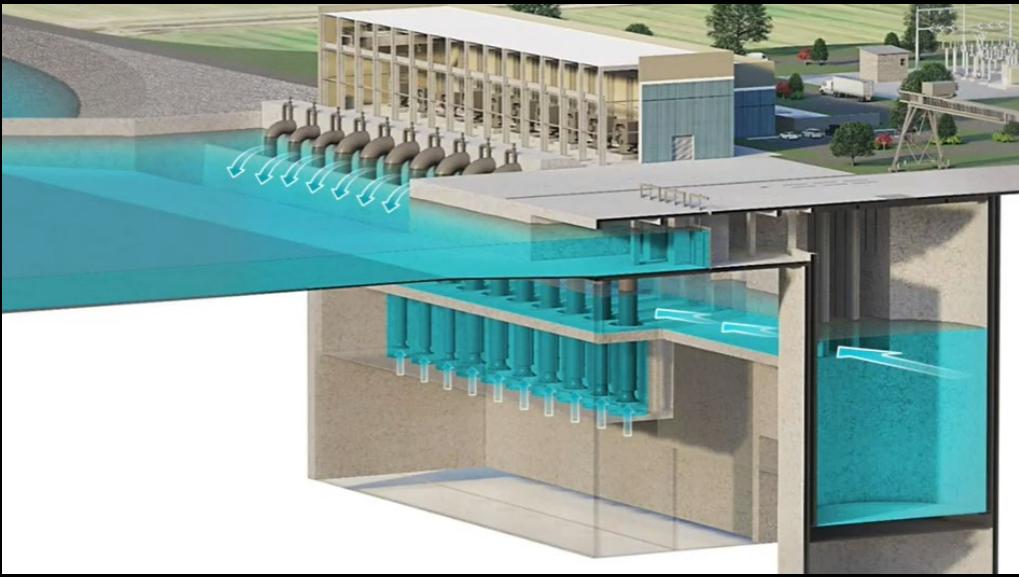
PWA



Public Water Agencies

- *Project funders*
- *Governs DCA via appointed board*

A Fresh Look...



Brings Innovation

Range of Proposed Alternatives

Three Alignments

Central

Eastern

Bethany

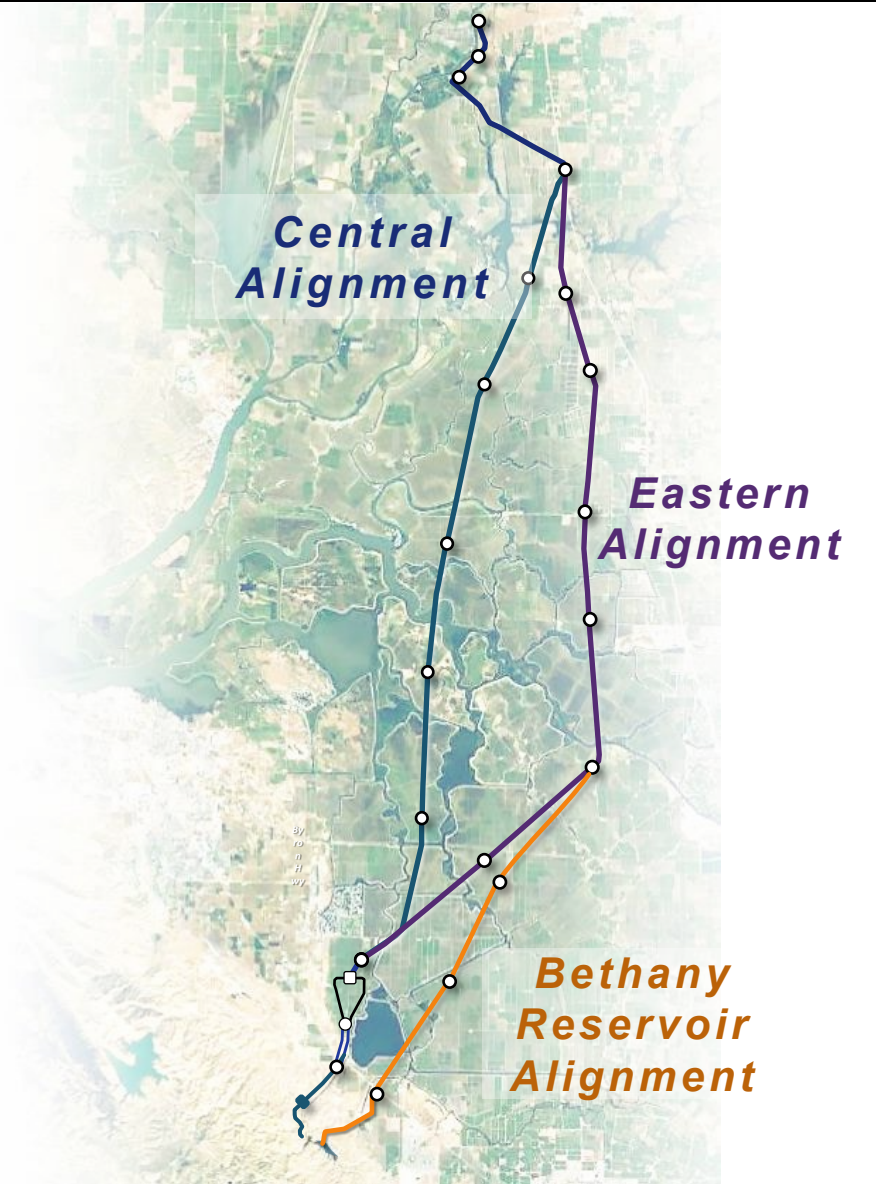
Four Capacity Options

3,000 cfs

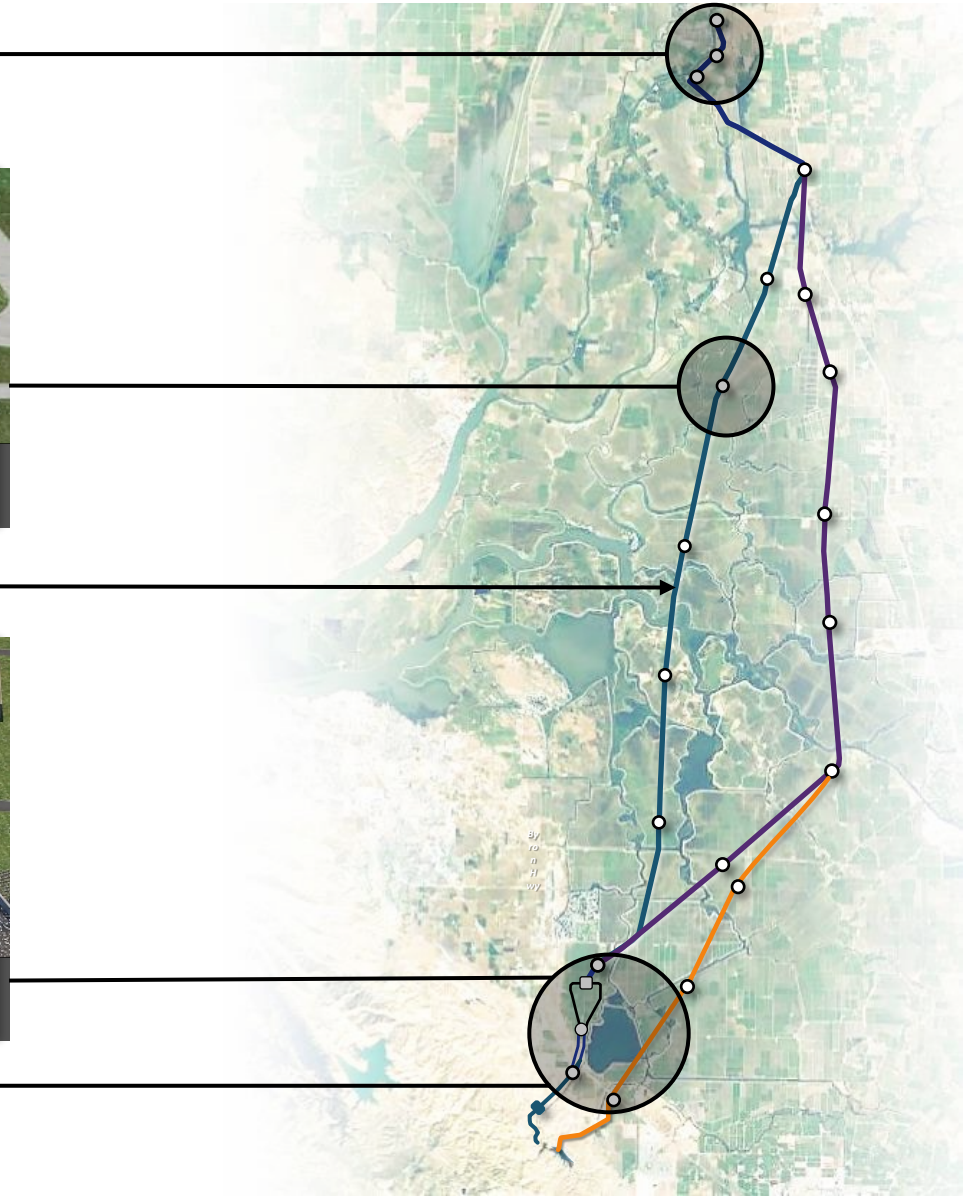
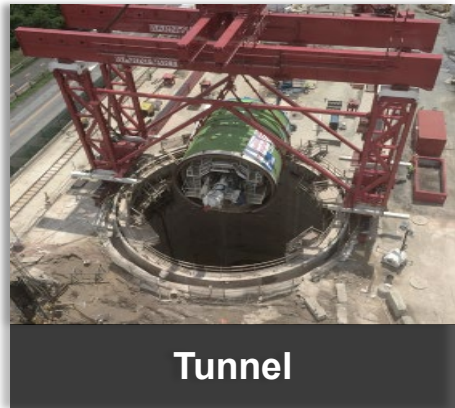
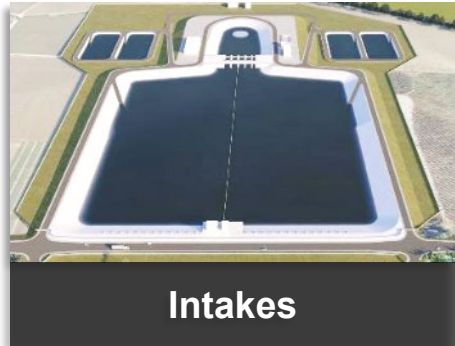
4,500 cfs

6,000 cfs

7,500 cfs



Delta Conveyance Project – Major Components



Designing the Concept – Engaging Delta Communities

20-
member
committee



19 public
meetings



Wide array of
interests
represented



Over **65**
presentations



Design Objective: Minimize Project Effects

**In-river
Impacts**



**Emergency
Services**



**Flood
Risks**



Traffic



Noise



**Land
Disturbance**



Emissions



Habitat



**Seismic
Risks**



**Community
Resources**



**Existing
Infra-
structure**

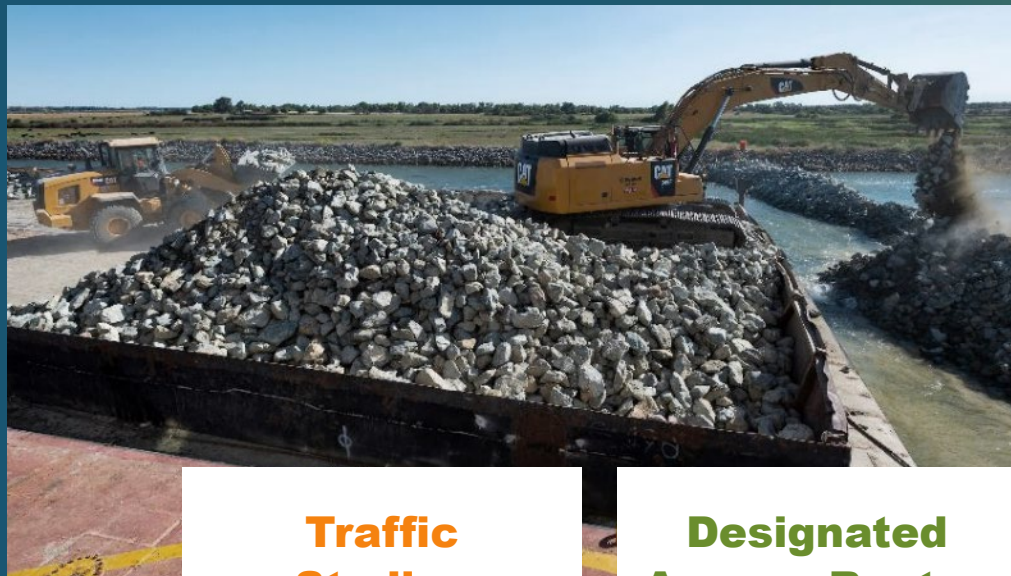


Agriculture



Minimize Construction Traffic

Traffic



Traffic Studies



Designated Access Routes



Park & Ride Lots



Rail from Select Sites



Minimize Noise

Noise



Temporary
Sound
Barriers and
Shrouds

Intake
Cofferdam
Redesigned
to Reduce
Pile Driving
>80%

Submerged
Screen
Cleaning
Technology

Minimized
Nighttime
Construction



Minimize Habitat Disturbance

Habitat



Avoid conservation easements and other protected areas in facility siting

Consider Greater Sandhill Cranes habitat in facility siting

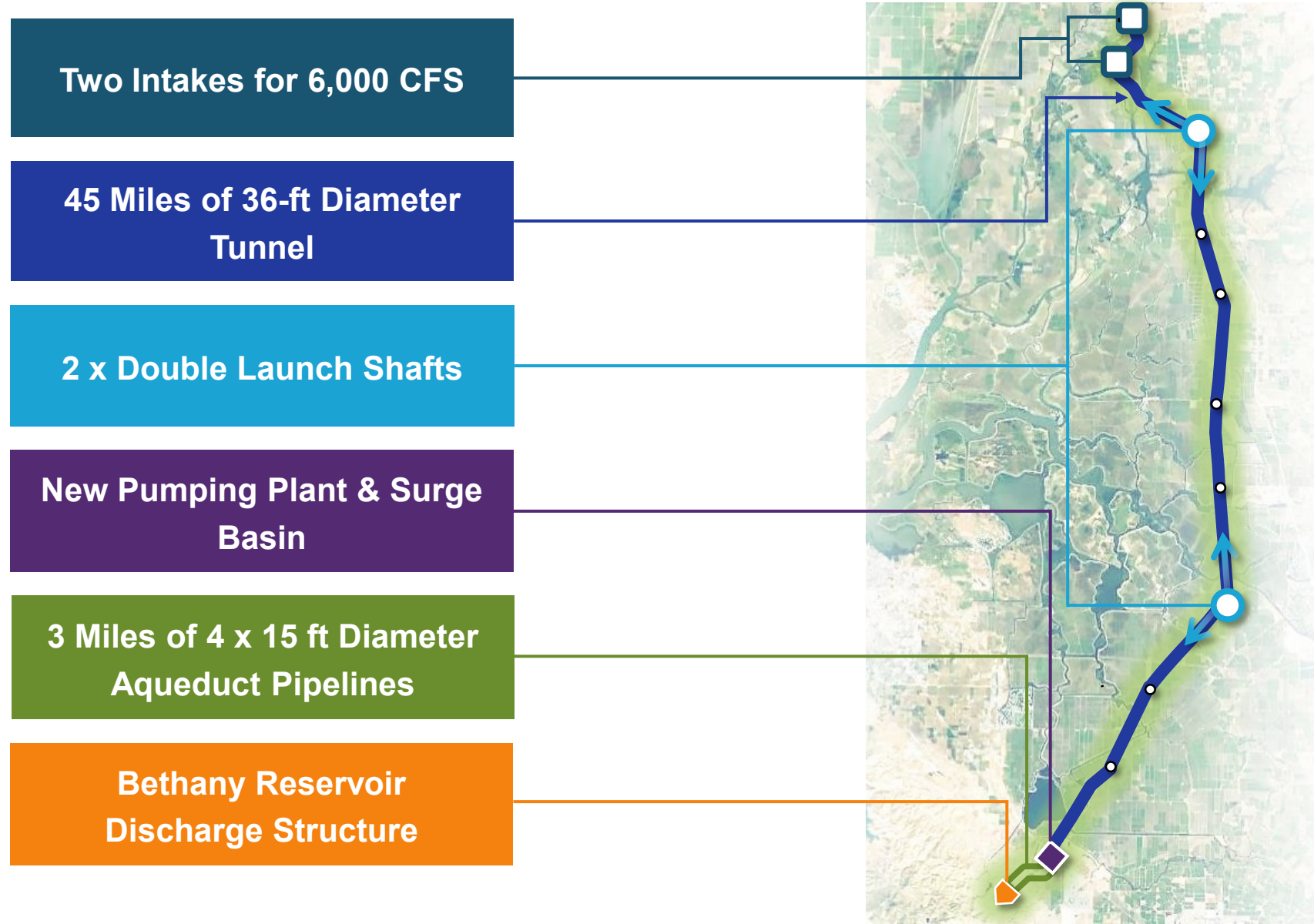
Reroute and realign facilities to avoid wetlands

Include strategies for site access and logistics near wildlife protection areas

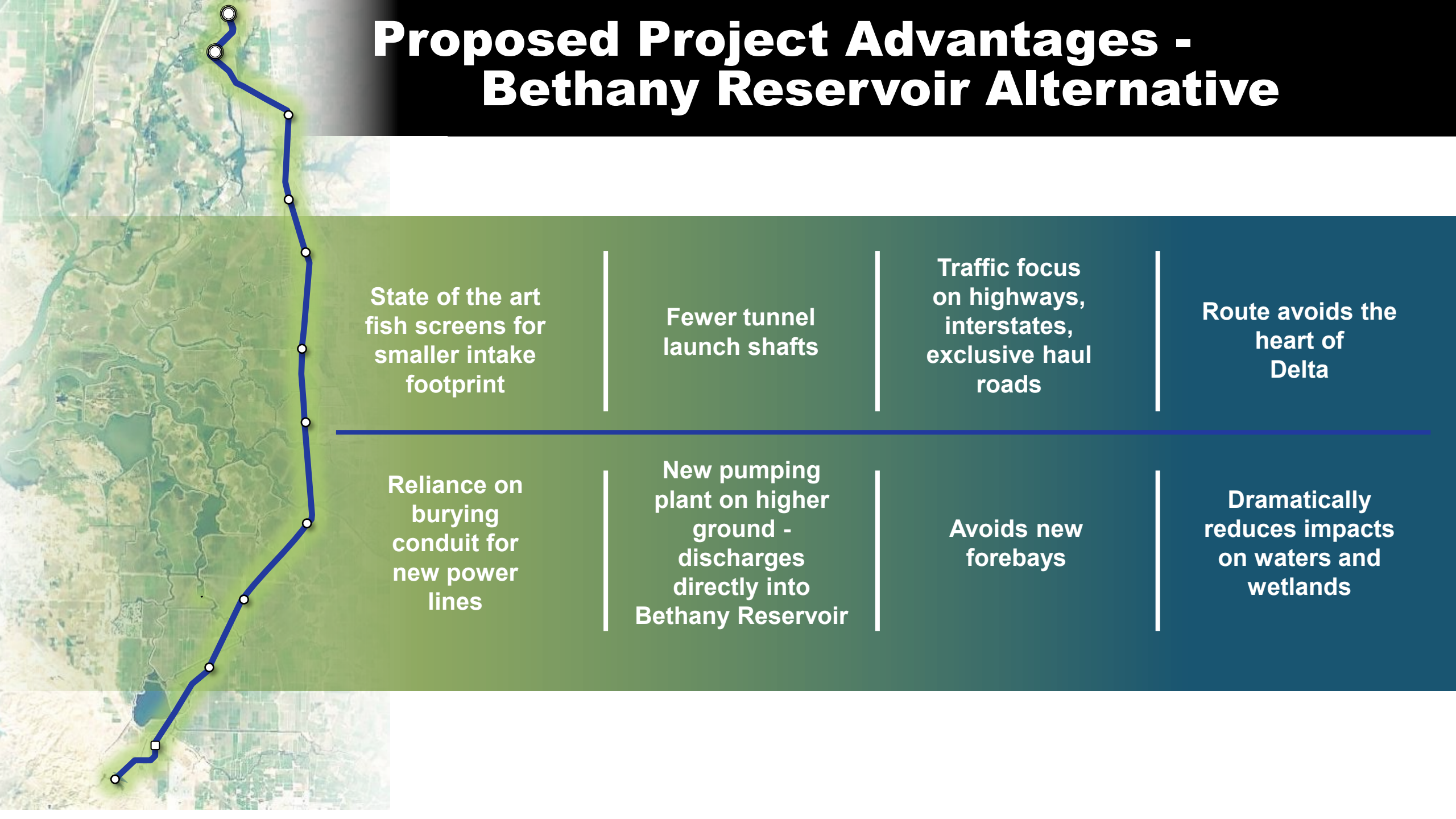
Limit barge use and avoid new barge landings

Rely on buried powerlines in crane habitat areas

Bethany Reservoir Alternative – Project Features



Proposed Project Advantages - Bethany Reservoir Alternative



State of the art
fish screens for
smaller intake
footprint

Fewer tunnel
launch shafts

Traffic focus
on highways,
interstates,
exclusive haul
roads

Route avoids the
heart of
Delta

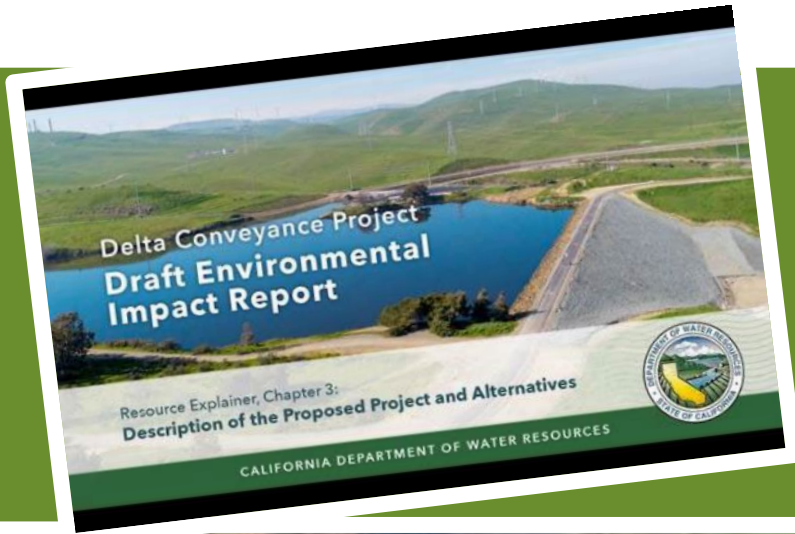
Reliance on
burying
conduit for
new power
lines

New pumping
plant on higher
ground -
discharges
directly into
Bethany Reservoir

Avoids new
forebays

Dramatically
reduces impacts
on waters and
wetlands

Community Benefits Program for the Delta



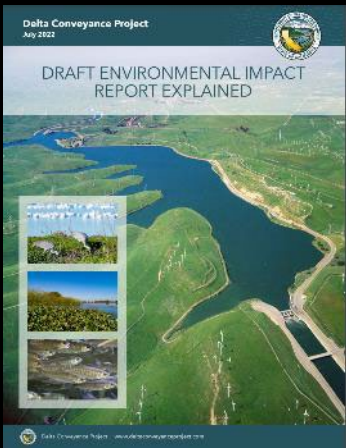
**Framework
in Draft EIR**



**Community
Engagement
Ongoing**



Learn More.



Comment.

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