



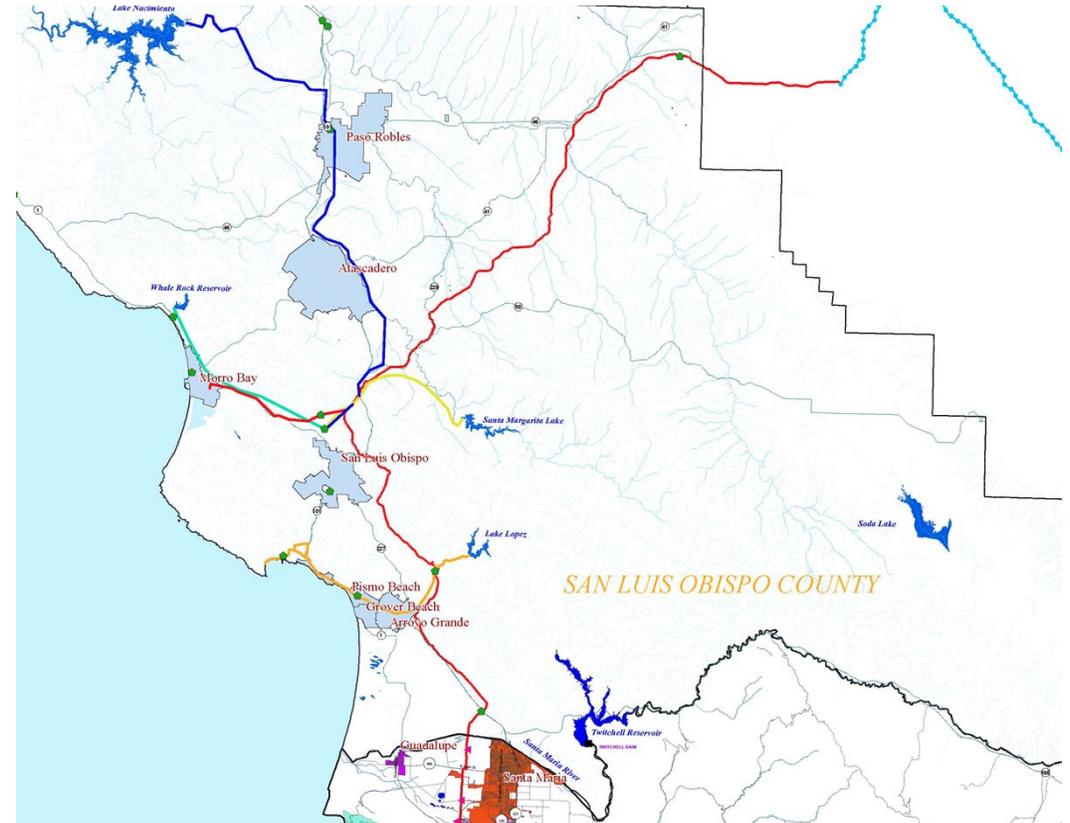
State Water Subcontractors Advisory Committee Meeting

October 23, 2019

www.slocounty.ca.gov

Meeting Agenda

- Introductions/Quorum
- Public Comment
- Staff Presentation
- Future Agenda Topics



Staff Presentation



Understanding Local Needs



- Subcontractors
 - Reliability needs
 - Other investments
 - The future
- Countywide Water Planning Efforts
 - New participants
 - Groundwater Sustainability Plans
 - The future

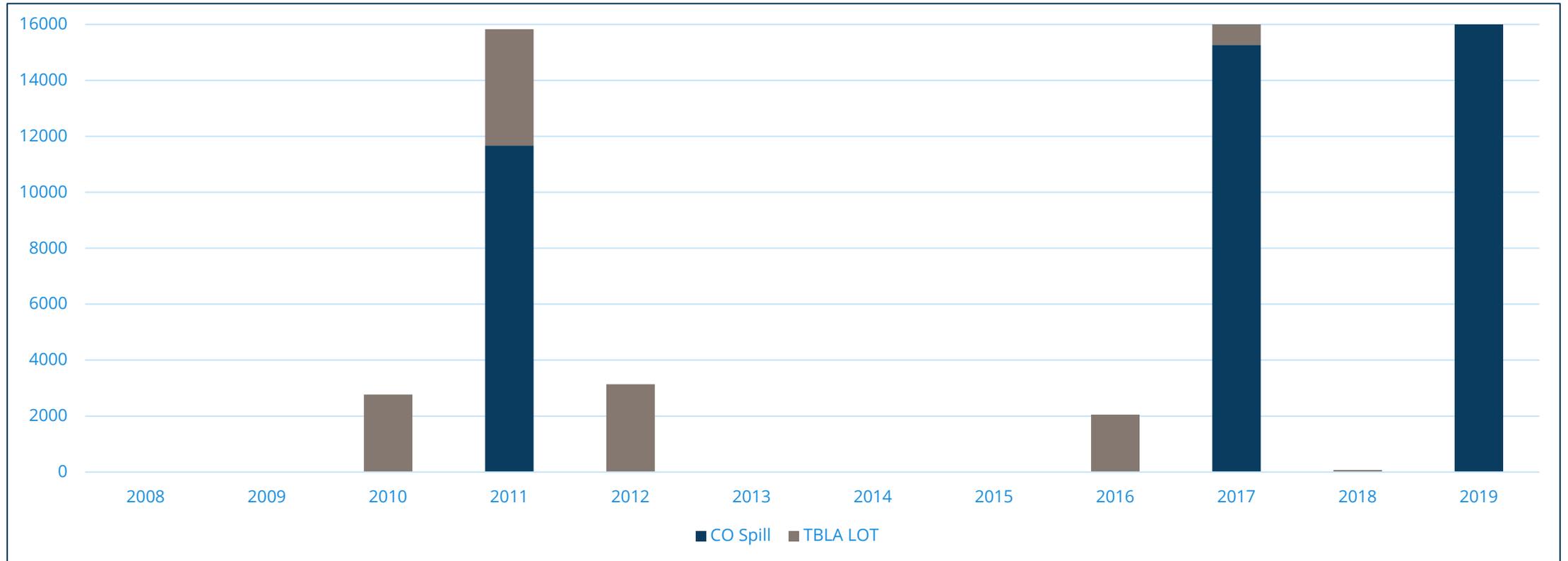
What role will State Water play?

Recommended Studies

- Water Management Tools
 - Contract amendment under development
 - Replacement of Turnback Pool requirement
- South of Delta Storage
 - More Contractors will be using their storage allocation



Water Lost 2008 – 2019 = 55,000 AF



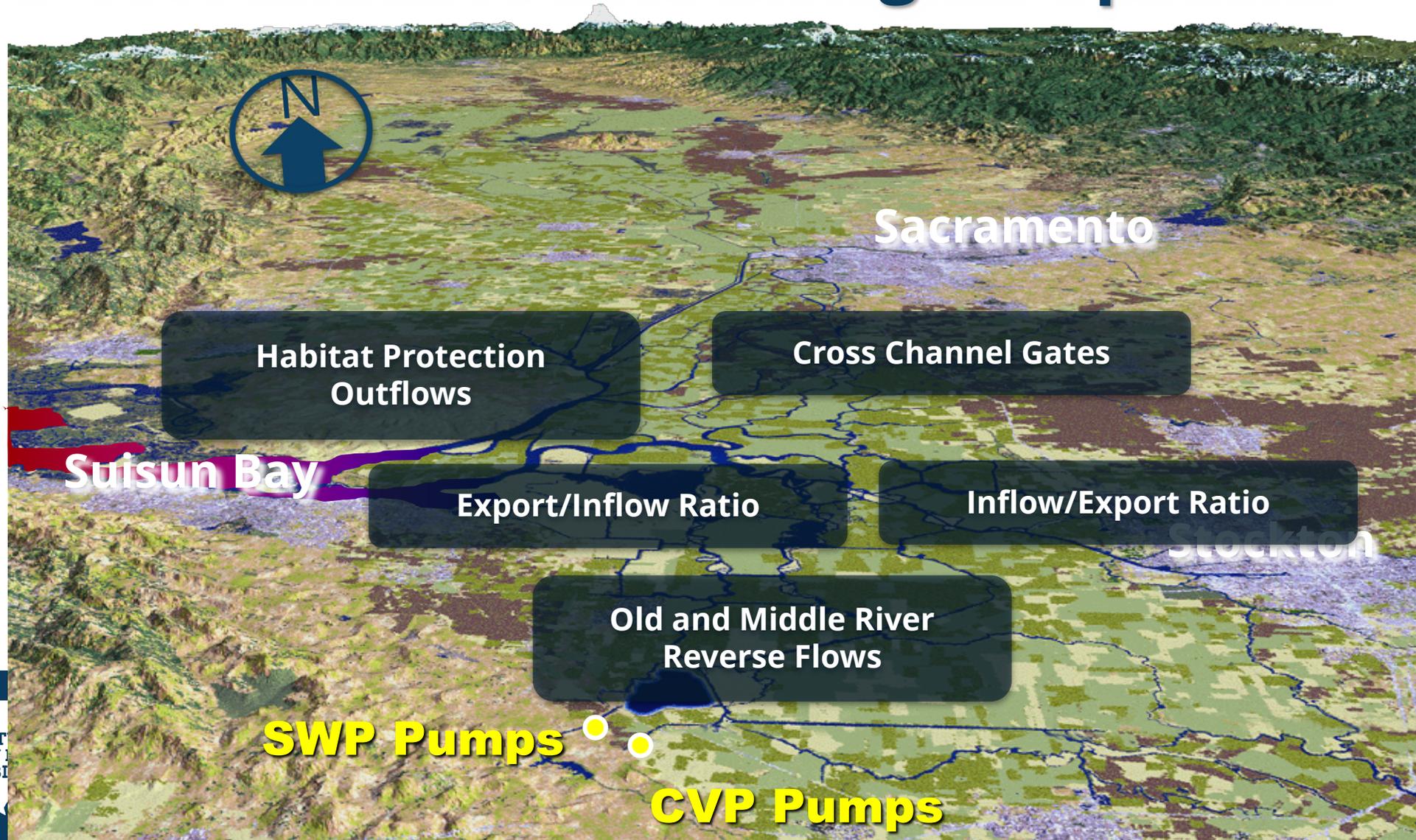
Delta Conveyance Project

- What problems is Delta Conveyance trying to address?
- DWR/SWP Contractor Contract amendment negotiations
- Cost estimates and reliability benefits
- Participation decision by the District/Subcontractors

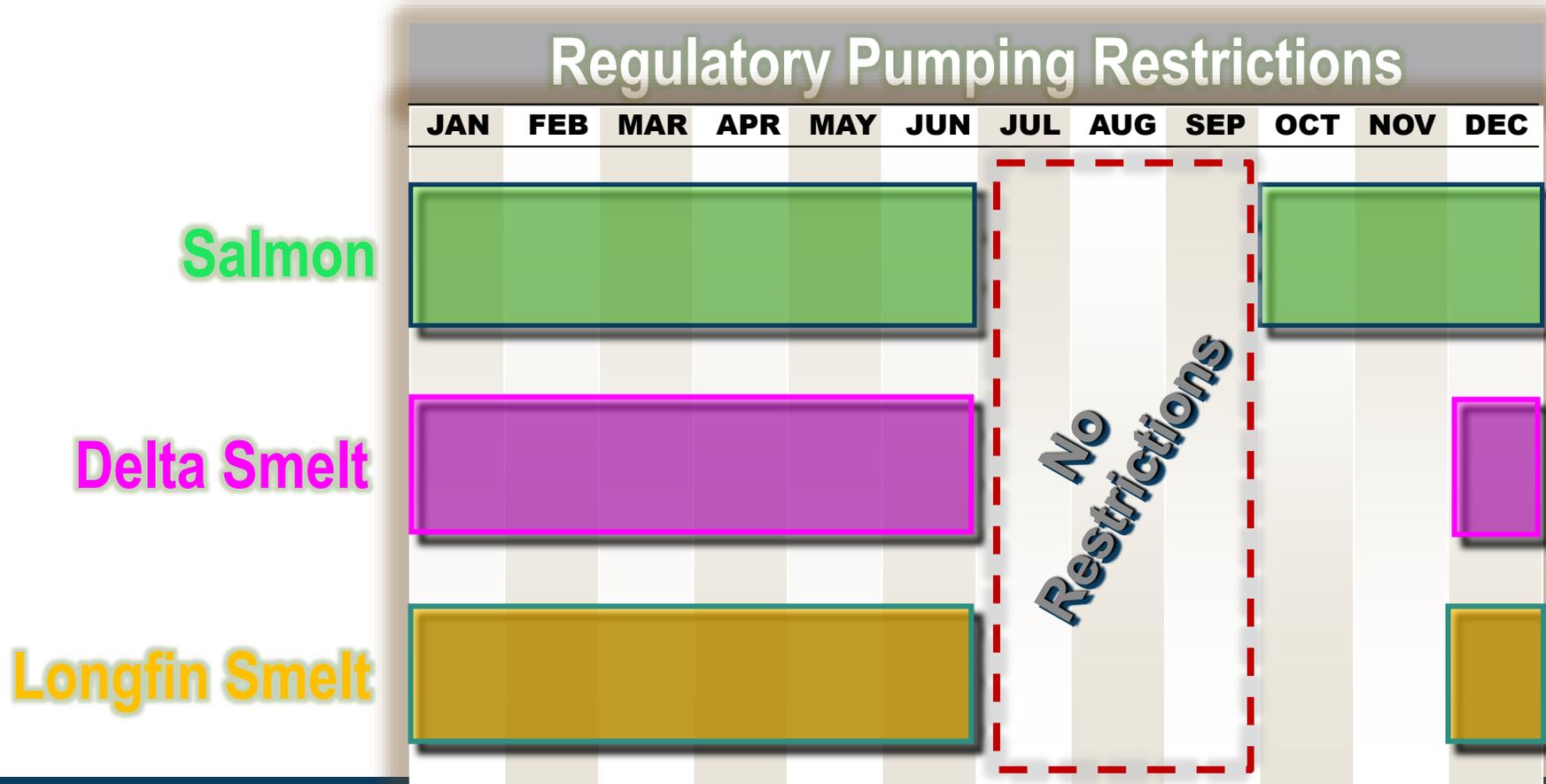


Regulations Shape Current Operations

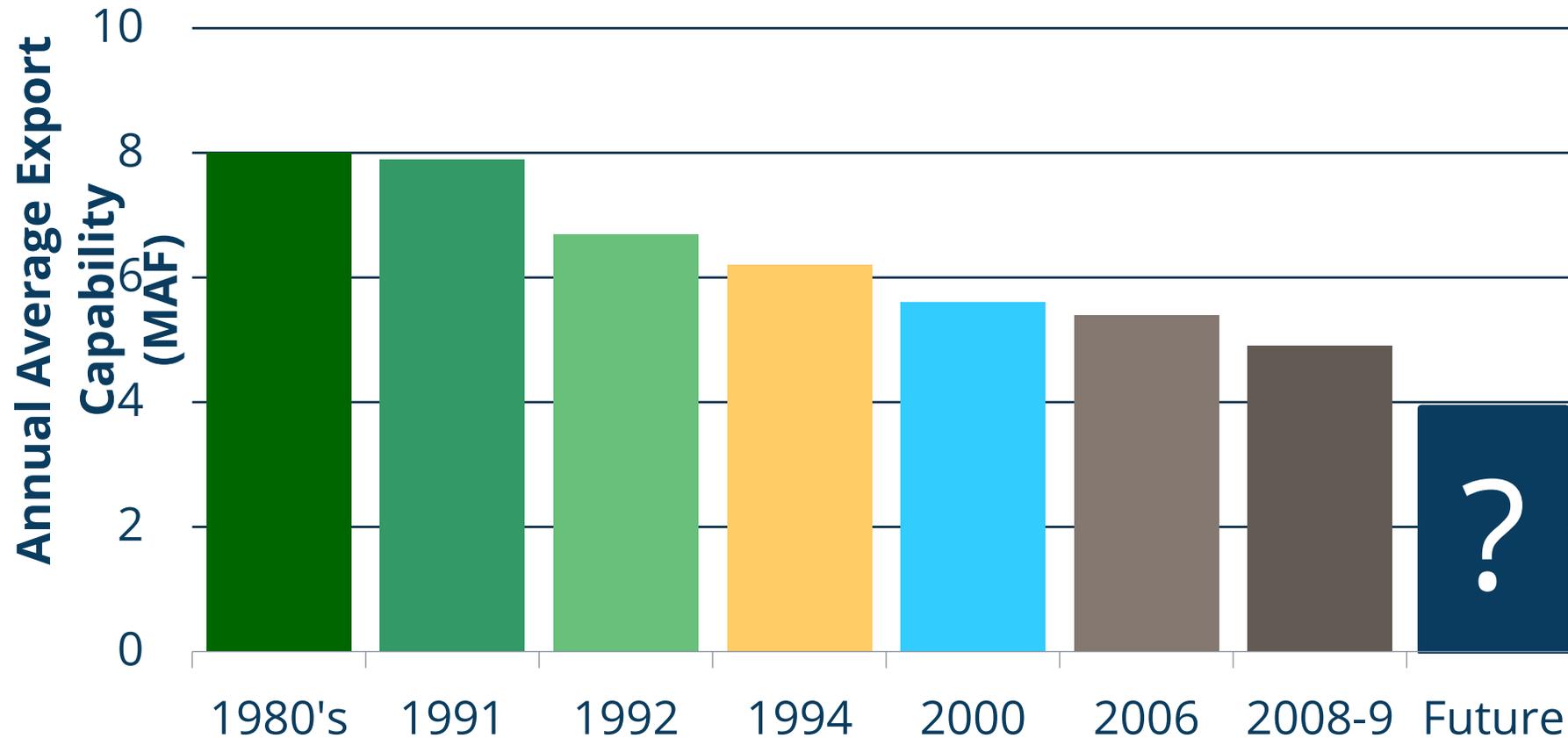
D-1641 and 2008-2009 Biological Opinions



Regulatory Approach has Reduced SWP-CVP Flexibility



SWP-CVP Export Capability Has Declined Due to Regulations



DCP: North of Delta Diversion to One Tunnel Enhanced Operational Flexibility

North Delta

- Modern intake screens allow fish to bypass without salvage
- Flexibility to divert excess flood flows & reduce fish impacts during low flow periods

South Delta

- Reduces reverse flows in river
- Less fish salvage at pumps

SWP Pumps

CVP Pumps

Analysis of Excess Storm Flow Winter 2012-2013



Increased export with California WaterFix ~ 781,000 acre-feet (thru Feb 17)
SWP/CVP export losses due to BioOp ~ 800,000 AF (larger amount of SWP loss)
Analysis by State Water Contractors – Feb 2013

Future Benefits

- Climate Change
 - Sea Level Rise
 - Reduced Snowpack
 - Changing Precipitation Patterns
 - Changing Runoff Timing and Intensity
- Salty Seismic Risks - 6.5 Magnitude
 - 50 Levee breaks
 - 20 Islands flooded



Contract Amendment to Integrate DCP

- Agreement in Principle
 - Effectively the Project Description needed for CEQA, DCP design and Contract Language development
- Both Participants and Non-Participants Negotiating
 - Carryover storage allocation table preserved
 - Full utilization means more frequent spills
- “Opt-In” approach
 - Full Table A amount or opt out completely
 - **Near term decision to hold your place or it’s gone**



Cost Estimate for Preliminary Efforts

	SUBCONTRACTOR	WSA (AFY)	DB (AFY)	WSA + DB (AFY)	Subscription Percentage	Est'd Cost Share of DCP Phase 1
SHANDON TURNOUT	CSA 16 (Shandon)	100	0	100	0.004	\$ 10,000
	<i>Subtotal</i>	100	0	100		
CHORRO VALLEY TURNOUT	City of Morro Bay	1,313	2,290	3,603	0.14412	\$ 360,300
	CMC	400	400	800	0.032	\$ 80,000
	County Ops Center	425	425	850	0.034	\$ 85,000
	Cuesta College	200	200	400	0.016	\$ 40,000
	<i>Subtotal</i>	2,338	3,315	5,653		
LOPEZ TURNOUT	City of Pismo Beach	1,240	1,240	2,480	0.0992	\$ 248,000
	Oceano CSD	750	750	1,500	0.06	\$ 150,000
	San Miguelito MWC	275	275	550	0.022	\$ 55,000
	Avila Beach CSD	100	100	200	0.008	\$ 20,000
	Avila Valley MWC	20	20	40	0.0016	\$ 4,000
	San Luis Coastal USD	7	7	14	0.00056	\$ 1,400
	<i>Subtotal</i>	2,392	2,392	4,784		
	TOTAL	4,830	5,707	10,537	0.42148	\$ 1,053,700
	*Contracted Delivery Capacity in Coastal Branch (AFY)			4,830		
	District's "Table A" Allocation (AFY)			25,000		
	Total "Table A" Subcontracted (AFY)			10,537		
	District's "Unsubscribed" Allocation (AFY)			14,463	0.57852	\$ 1,446,300
	<u>ABBREVIATIONS</u>					
	AFY = Acre-Feet per Year					
	WSA = Water Service Amount					
	DB = Drought Buffer					



Scenarios and Cost Estimates

	Scenario	Table A AFY	Additional "Insurance" Allocation	Cost per AF	Notes
A	Subcontractor Allocation Current Drought Buffer	10,537	NA	NA	Other supplies/conservation may be needed at unknown cost
B	Subcontractor Allocation Increased Drought Buffer	25,000	14,423	\$200	Drought Buffer currently \$173/AF; assume increased costs in future
C	Subcontractor Allocation Current Drought Buffer DCP @ 10,537 Table A	10,537	1,981	\$230	\$2.4M estimated annual DCP cost
D	Subcontractor Allocation Increased Drought Buffer DCP @ 25,000 Table A	25,000	19,123	\$440	\$6M estimated annual DCP cost plus increased drought buffer cost

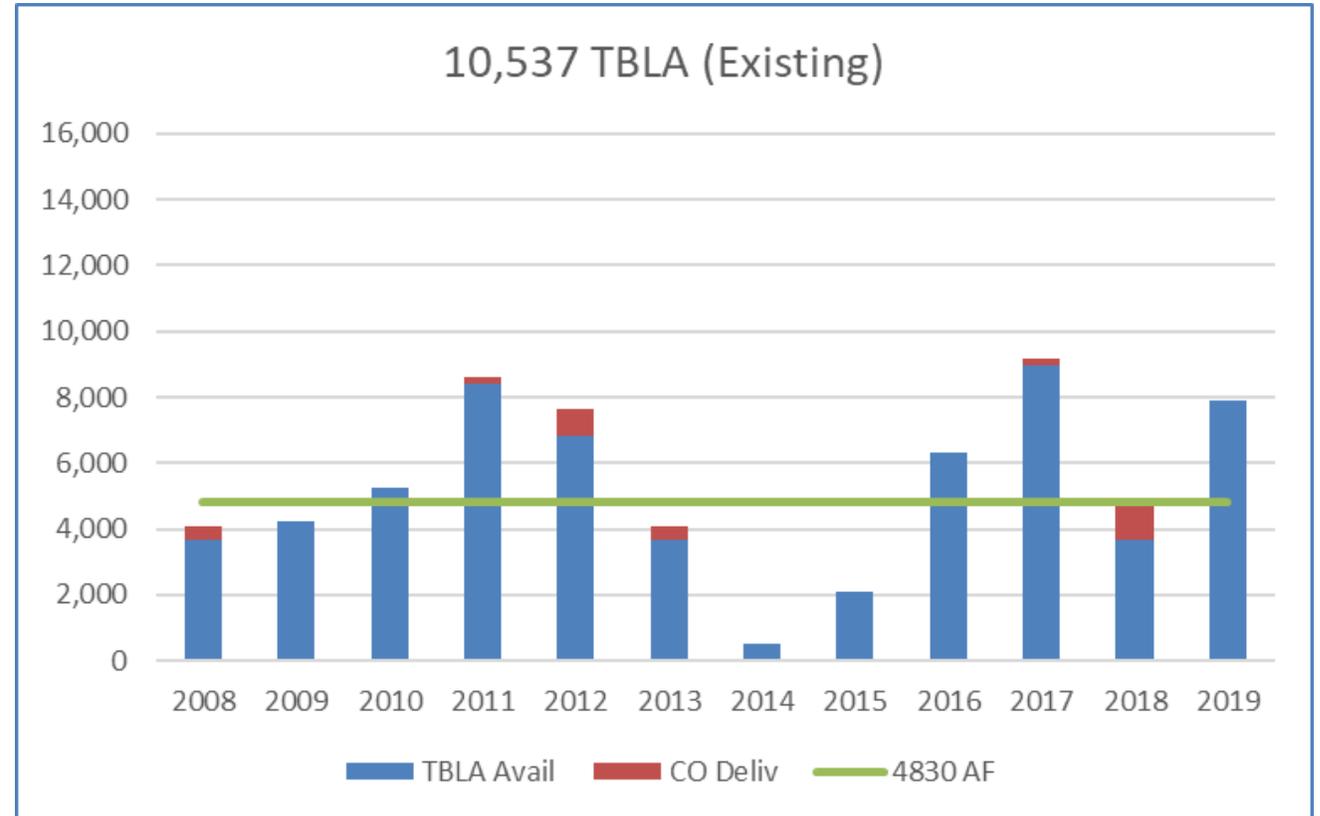
Scenario assumptions:

- **Future policy direction to remove excess allocation from property tax roll**
- **Only San Luis Reservoir Storage**



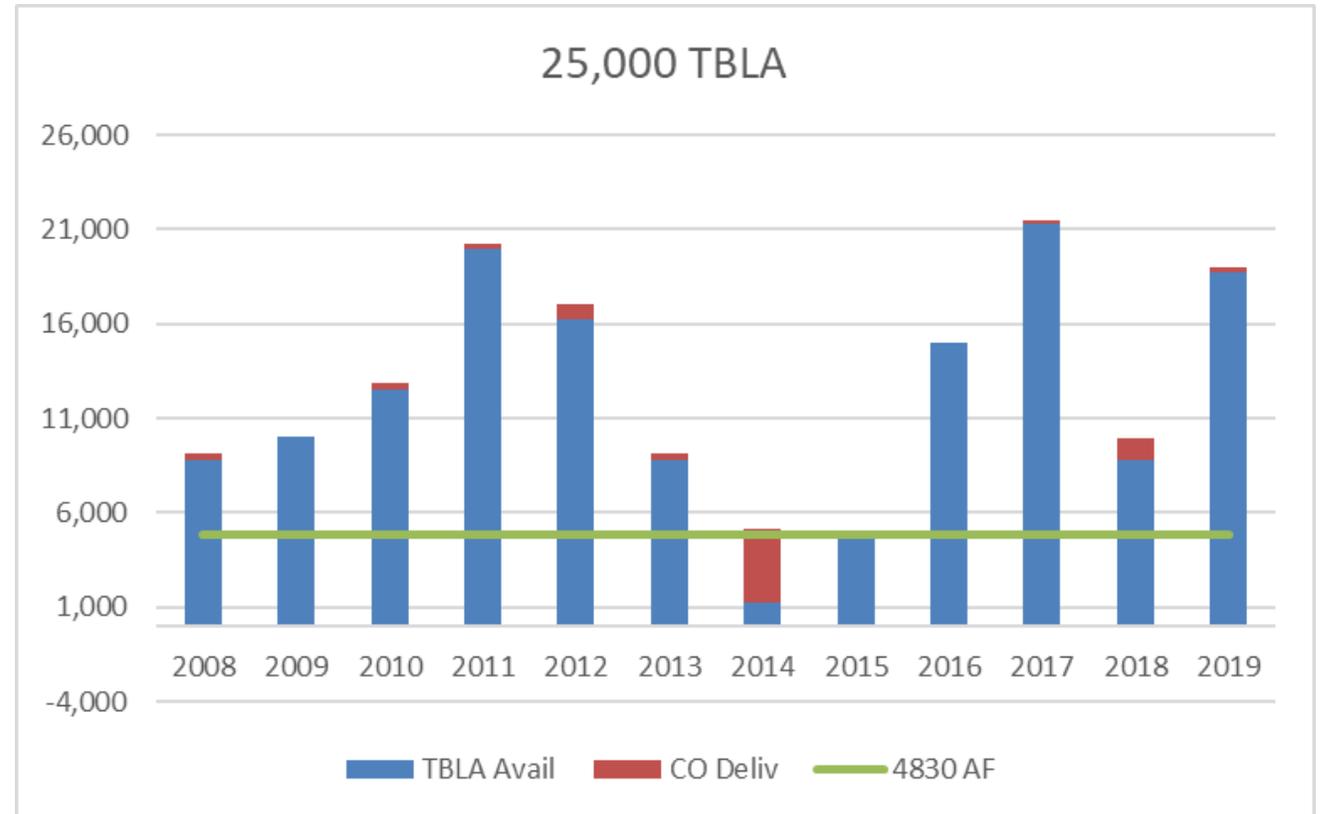
No Excess Allocation/No DCP

Short 5 of 12 Years



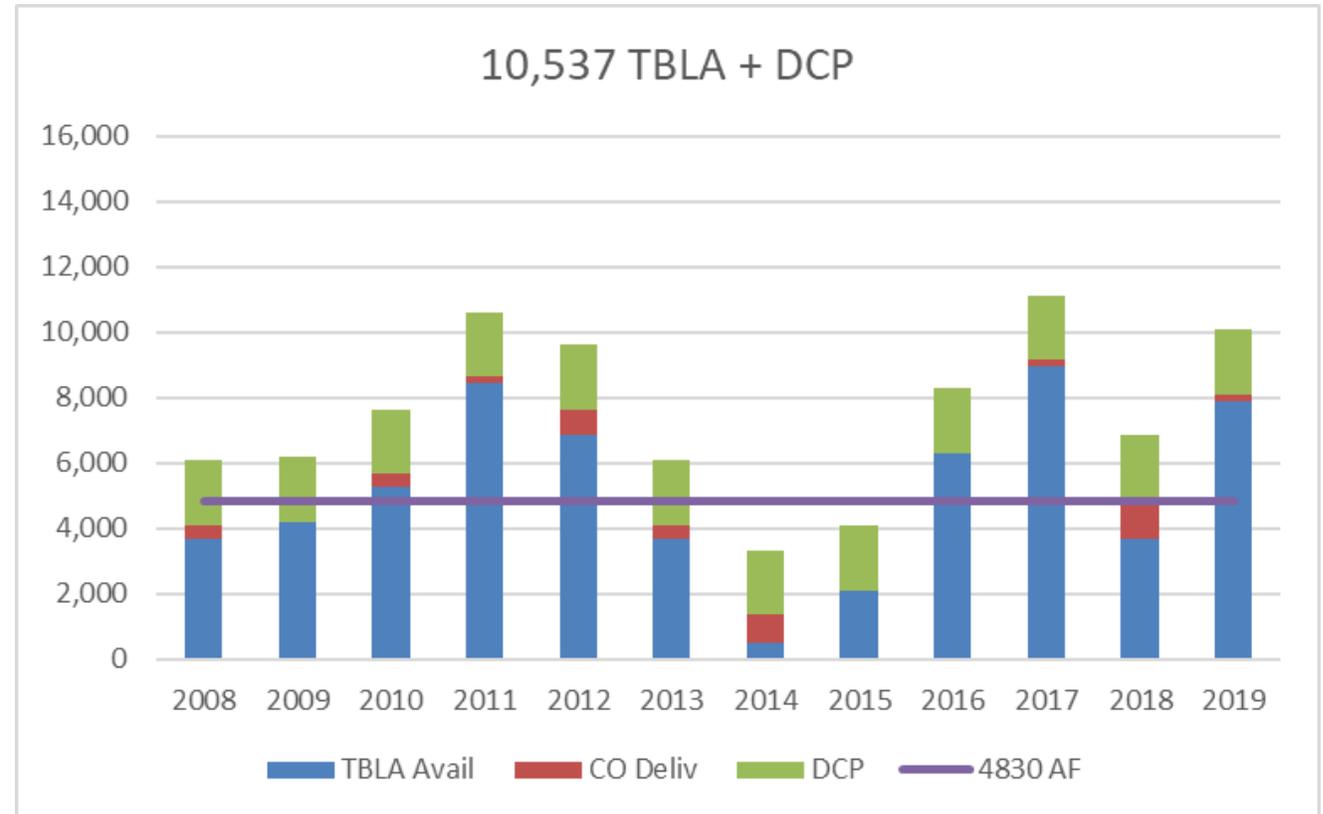
Full Allocation to Subcontractors/No DCP

No shortage



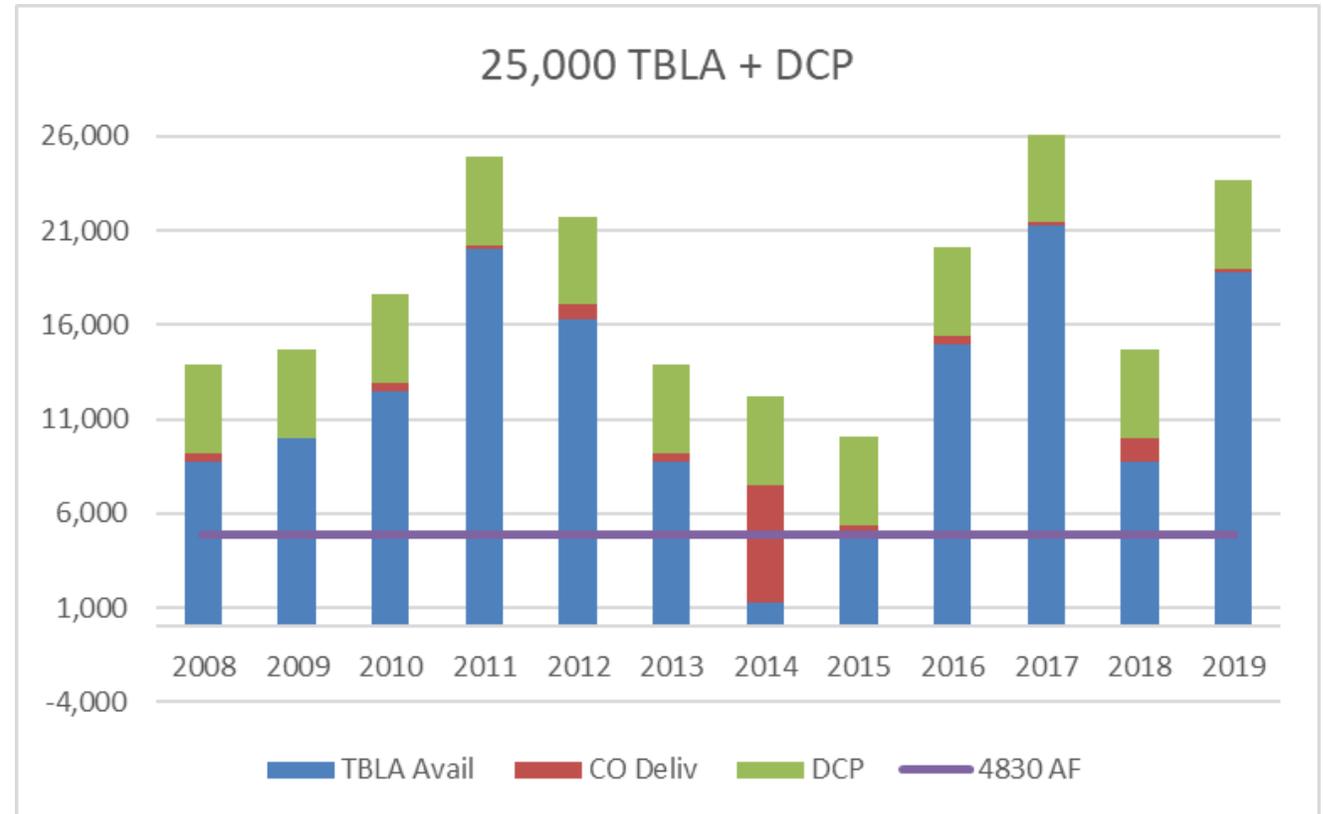
DCP/No Excess Allocation

Short 2 of 12 Years



DCP with Full Allocation to Subcontractors

No shortage



Scenarios and Cost Estimates

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DCP has climate change/seismic benefits if State Water reliability is essential locally/other projects are unaffordable



Recommendations

- Consider supporting proceeding with studies
- Consider supporting participation in preliminary DCP efforts to “keep the door open”



Future Agenda Items

- Bylaws
- Contract Extension Amendment
- Water Management Tools Amendment
- Updates
 - DCP/Board action
 - Operations



Thank you!

Next Meeting: November 20, 2019 9 am Room 361

