State Water Subcontractors Advisory Committee Meeting

October 23, 2019
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

[Graph showing water lost from 2008 to 2019 with labels for CO Spill and TBLA LOT]
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

Habitat Protection
Outflows

Export/Inflow Ratio

Inflow/Export Ratio

Old and Middle River Reverse Flows

Cross Channel Gates

SWP Pumps

CVP Pumps

Sacramento

Stockton

Suisun Bay
Regulatory Approach has Reduced SWP-CVP Flexibility

Delta Smelt
Salmon
Longfin Smelt

Regulatory Pumping Restrictions

No Restrictions
SWP-CVP Export Capability Has Declined Due to Regulations

![Bar chart showing annual average export capability (MAF) from 1980's to 2008-9 and future.](chart)
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

**Map Details**
- SWP Pumps
- CVP Pumps
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

<table>
<thead>
<tr>
<th>Subcontractor</th>
<th>WSA (AFY)</th>
<th>DB (AFY)</th>
<th>WSA + DB (AFY)</th>
<th>Subscription Percentage</th>
<th>Est’d Cost Share of DCP Phase 1</th>
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</thead>
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<tr>
<td><strong>Shandon</strong></td>
<td>100</td>
<td>0</td>
<td>100</td>
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<td><strong>Subtotal</strong></td>
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<td>3,315</td>
<td>5,633</td>
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<td><strong>Lopez</strong></td>
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<td>City of Pismo Beach</td>
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<td>Oceano CSD</td>
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<tr>
<td><strong>Subtotal</strong></td>
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<td><strong>Total</strong></td>
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<td>5,707</td>
<td>10,537</td>
<td>0.42148</td>
<td>$1,053,700</td>
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</table>

*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

**ABBREVIATIONS**
- AFY = Acre-Feet per Year
- WSA = Water Service Amount
- DB = Drought Buffer
## Scenarios and Cost Estimates

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<thead>
<tr>
<th>Scenario</th>
<th>Table A AFY</th>
<th>Additional “Insurance” Allocation</th>
<th>Cost per AF</th>
<th>Notes</th>
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<td>NA</td>
<td>Other supplies/conservation may be needed at unknown cost</td>
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<td>B Subcontractor Allocation</td>
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<td>14,423</td>
<td>$200</td>
<td>Drought Buffer currently $173/AF; assume increased costs in future</td>
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<td>1,981</td>
<td>$230</td>
<td>$2.4M estimated annual DCP cost</td>
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<td>D Subcontractor Allocation</td>
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<td>19,123</td>
<td>$440</td>
<td>$6M estimated annual DCP cost plus increased drought buffer cost</td>
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### 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
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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