AGENDA

• Need for the Program
• Program Overview
• Program Procurement
• SB/DVBE Program
Part of the state's overall water management portfolio
Provides 4.9 million acre-feet of water on average annually
Creates more than 136,000 full-time equivalent jobs
WATER SYSTEM UPGRADE

Two Tunnels

Three Intakes

More Natural Flows

WATER RELIABILITY FOR CALIFORNIA
JOBS CREATION

11,332
OPERATIONS & MAINTENANCE

110,596
CONSTRUCTION & PLANNING

121,928
TOTAL WATER FACILITY JOBS
RIVER INTAKE LOCATIONS

- Intake No. 2
- Intake No. 3
- Hood
- Clarksburg
- Intake No. 5
- Sacramento River

Tunnels:
- 28-foot tunnel
- 40-foot tunnel
- 28-foot tunnel
RIVER INTAKES

Sedimentation Basin 1

Sedimentation Basin 2

Outlet shaft

Sediment drying lagoons

Sacramento River

Fish Screens
PROTECTING FISH

- Screen spacing – 1.75mm
- Flow approach velocity = 0.2 ft/sec
NORTH TUNNELS

- Three tunnel reaches
- Total 13.5 miles of tunnel
- Two 28-foot tunnels
- One 40-foot tunnel
- Collect water from intakes, deliver to intermediate forebay
MAIN TUNNELS

- Twin bore main tunnels
- 30 miles long each
- 150 ft below grade
- ±2-foot thick concrete liner
- Pressurized face tunnel boring machine
- ±45-ft excavated diameter
- 40-ft internal diameter
CLIFTON COURT FOREBAY – PUMP PLANTS

- **Electrical Substation**
- **Pump Building**
- **Maintenance Building**
- **Gravity/surge discharge**
- **Pump Discharge**
- **Pump Unit**
- **40-foot Main Tunnel**

North Clifton Court Forebay
PROGRAM FACTS

- 700,000 tunnel segments
- 23 million cubic yards of excavated tunnel material
- 10-12 Tunnel Boring Machines operating simultaneously
- 195 Mega Watts of power required for Tunnel Boring Machines
- Existing levees protect project sites
- Limited highway access in Delta
TYPICAL TUNNEL SEGMENTS AND LINED TUNNEL
REUSABLE TUNNEL MATERIAL

• Preliminary level of testing (DWR Report)
  – Sterile material
  – Suitable for engineering fill

• Stockpiles at 6-14 ft

• Existing restoration uses
  – SFPUC Bay Tunnel Bair Island
  – London Crossrail Wallasea Island
HEAD OF OLD RIVER
OPERABLE GATE

- For fish protection
- Replaces rock barrier
- Allows real-time operation
SIGNIFICANT ACCOMPLISHMENTS IN 2017

• Completed EIR process with NOD issued by DWR
• Secured Biological Opinion from Fish and Wildlife along with Incidental Take Permit
• Completed Part 1 of State Board Hearings
• 99% of State water Contractor Boards voted to participate in program.
• Advertised 4 initial procurement solicitations
CONTRACTOR OUTREACH

Dec 6th  Industry Day  250 Participants

Dec 19th  Pre-Proposal/SoQ Workshops
  Property Acquisition  30 Participants
  Title, Mapping, ROW  42 Participants
  Geotechnical  53 Participants
  Engineering Design Mgr.  88 Participants

Jan 9th  Meet the Primes Sacramento  142 participants

Jan 11th  Meet the Primes Carson  243 participants
## 2018 REQUEST FOR QUALIFICATIONS (RFQ) / REQUEST FOR PROPOSALS (RFP) SCHEDULE

<table>
<thead>
<tr>
<th>RFQ or RFP</th>
<th>DEC</th>
<th>JAN</th>
<th>FEB</th>
<th>MAR</th>
<th>APR</th>
<th>MAY</th>
<th>JUN</th>
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*Not a complete list; issuance dates are subject to change.*

- **Advertise**
- **Consultant Response Period**
- **Consultant Response Due**
- **Agency Selection Period**
- **Award**
Program Schedule

Note: Years shown next to bars indicates task duration
# Program Budget (2014 dollars)

<table>
<thead>
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<th>Category</th>
<th>Amount</th>
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<tbody>
<tr>
<td>PM/CM/Engineering</td>
<td>$1,919,910,670</td>
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<td>Construction</td>
<td>$9,499,048,014</td>
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<td>Contingency</td>
<td>$3,378,400,000</td>
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<td>Land Acquisition</td>
<td>$146,100,000</td>
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<td><strong>$14,943,458,684</strong></td>
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# Mitigation Budget (2014 dollars)

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<td>Enviro. Commitments/Cultural Resources/Air Quality/Biological Resources</td>
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<tr>
<td>Program Administration/Monitoring/Property Tax Revenue Replacement</td>
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<td>Contingency</td>
<td>$206,358,084</td>
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<td><strong>TOTAL</strong></td>
<td><strong>$795,952,611</strong></td>
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<td><strong>GRAND TOTAL</strong></td>
<td><strong>$15,739,411,295</strong></td>
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STATEWIDE SB/DVBE PROGRAM

Legal Authority

Executive Orders: D-37-01 and D-43-01
Government Code § 14835
Military and Veterans Code § 999

Procurement Participation Goals

Small Business / Microbusiness: minimum 25%
Disabled Veteran Business Enterprise: minimum 3%
DWR’S SB/DVBE POLICY

• DWR vigorously endorses the State of California’s program to support the SB/MB and DVBE business community

• DWR’s employees responsible for procurement decisions are expected to make every effort to solicit and award contracts and purchases to California-certified SB/MB and DVBE firms

• DWR actively encourages partnerships between non-certified prime contractors and SB/MB and DVBE subcontractors
DWR EXPENDITURES – TOTAL REPORTABLE*  
FY11/12 THRU FY16/17

* Excludes contracts with governmental entities.
DWR’S “ADVOCATE” SERVICES
EXTERNAL BUSINESS “CUSTOMERS”

• Help prime contractors find qualified certified subcontractors
• Pre-review DVBE document compliance prior to bid due dates
• Present SB/DVBE Program at pre-bid conferences

• Suggest improvements to vendor profiles in the DGS SB/DVBE certification database
• Represent DWR at SB/DVBE outreach events
• Facilitate conflict resolution between primes and SB/MB/DVBE subcontractors
STATEWIDE SMALL BUSINESS / DVBE OUTREACH

• CA WaterFix-only outreach events in Northern and Southern California planned for early January, 2018
• CA WaterFix-only outreach events may be scheduled concurrent with future RFQ/RFP solicitations
• CA WaterFix will piggyback on future outreach events sponsored by other state agencies, outside professional organizations, or public entities
• CaleProcure, the State’s Online Marketplace at www.caleprocure.ca.gov, is the primary source for information about current and future CA WaterFix solicitations
SMALL BUSINESS / DVBE PROGRAM RESOURCES

Department of Water Resources
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SB/DVBE Program Manager
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jarena@mwdh2o.com