San Diego County Water Authority
Climate Action Plan and 2013 Master Plan
Supplemental Program EIR

Public Hearing
Water Planning Committee
January 9, 2014

Presented by: Kelley Gage, Principal Water Resources Specialist
Administrative Points

- Please sign a speaker card to make a comment tonight

- Written comments can be turned in today or mailed and must be received by 5pm January 16, 2014

- Meeting guidelines and format
  - Purpose of audio recording
Agenda

- 2003 Program EIR
- Project Location
- Project Components/Objectives
- Environmental Impacts
- Administrative Actions
- Required Actions/Permits
2003 Program EIR

- Master Plan Project Description/Alternatives
  - North, West, East
  - Common elements (Table 2–1)
- Resource issues examined
  - Not significant, no further review
  - Not significant with mitigation
  - Significant and unavoidable
- Alternatives not considered
- Other CEQA Considerations
- Findings/Conclusions
Types of included projects:

- Initial 50 mgd Carlsbad Desalination Project
- Addition of Regional Water Treatment Capacity
- Addition of 100,000 AF of Carryover Storage
- Expansion of Internal System Capacity
- Rehabilitation of Existing Facilities
1. 2013 Regional Water Facilities Optimization and Master Plan Update

2. Climate Action Plan
Master Plan Objectives

- Identify potential facilities to meet regional treated and untreated water demand and supply projections
- Optimize use of existing regional infrastructure
- Protect public health, safety and welfare by maintaining a safe and reliable water supply
- Develop facility plans that are adaptive to changes in future conditions
# Preliminary Timing of Potential CIP Projects

## Initiate Planning to Refine Project Description

<table>
<thead>
<tr>
<th>Project</th>
<th>Purpose</th>
<th>Time Frame</th>
</tr>
</thead>
<tbody>
<tr>
<td>North County ESP Pump Station</td>
<td>Meet ESP delivery requirements</td>
<td>2015-2020</td>
</tr>
<tr>
<td>System Isolation Valves</td>
<td>Improve aqueduct operations and maintenance flexibility</td>
<td>2015-2025</td>
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<tr>
<td>Mission Trails Suite of Projects</td>
<td>Increase untreated water conveyance to serve South County WTPs</td>
<td>2015-2025</td>
</tr>
<tr>
<td>South County Intertie*</td>
<td>Alleviate conveyance bottleneck south of Alvarado</td>
<td>2015-2016</td>
</tr>
<tr>
<td>ESP - San Vicente PS Third Pump Drive and Power Supply</td>
<td>Meet ESP and Carryover Storage requirements</td>
<td>2020-2025</td>
</tr>
<tr>
<td>Pipeline 3/4 Conversion</td>
<td>Alleviate untreated water conveyance constraint at MWD delivery point</td>
<td>2020-2025</td>
</tr>
<tr>
<td>System Storage</td>
<td>Provide operational storage for increased deliveries</td>
<td>2020-2025</td>
</tr>
</tbody>
</table>

* Project may be eliminated subject to timing of Mission Trails Projects
# Preliminary Timing of Potential CIP Projects

## Beyond 2025

<table>
<thead>
<tr>
<th>Project</th>
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<th>Time Frame</th>
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</thead>
<tbody>
<tr>
<td>Second Crossover Pipeline</td>
<td>Address untreated water delivery constraint at MWD delivery point</td>
<td>2035+</td>
</tr>
<tr>
<td>Pipeline 6 *</td>
<td>Address untreated water delivery constraint s/o Twin Oaks</td>
<td>2035+</td>
</tr>
</tbody>
</table>

## Beyond 2025 – Mutually Exclusive Options to Pipeline 6

<table>
<thead>
<tr>
<th>Project</th>
<th>Purpose</th>
<th>Time Frame</th>
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</thead>
<tbody>
<tr>
<td>Colorado River Conveyance *</td>
<td>Convey QSA supply through a CWA-owned facility</td>
<td>2035+</td>
</tr>
<tr>
<td>Camp Pendleton Desalination *</td>
<td>Address potential regional supply shortages</td>
<td>2025+</td>
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</table>

* Implementation of a project would preclude other options.
Total List of Potential Projects included in 2013 Master Plan Update

**Near- and Mid-Term Projects**
1. ESP North County Pump Stations
2. ESP San Vicente Pump Station 3rd Pump Drive and Power Supply
3. Pipelines P3/P4 Conversion
4. Mission Trails Flow Regulatory Structure
   4a. Lake Murray Control Valve
   4b. South County Intertie
5. System Storage
6. System Isolation Valves (various locations)
7. Asset Management Program (various locations)
8. Facility Planning Studies

**Potential Long-Term Projects**
1. Pipeline 6
2. Second Crossover Pipeline
3. Camp Pendleton Desalination
4. Colorado River Conveyance
Partial List of Potential Projects in 2013 Master Plan Update needing CEQA coverage

Near- and Mid-Term Projects
1. ESP North County Pump Stations
2. ESP San Vicente Pump Station 3rd Pump Drive and Power Supply
3. Pipelines P3/P4 Conversion
4. Mission Trails Flow Regulatory Structure
   4a. Lake Murray Control Valve
   4b. South County Intertie
5. System Storage
6. System Isolation Valves (various locations)
7. Asset Management Program (various locations)
8. Facility Planning Studies

Potential Long-Term Projects
1. Pipeline 6
2. Second Crossover Pipeline
3. Camp Pendleton Desalination
4. Colorado River Conveyance
Link between Master Plan and Climate Action Plan

Master Plan
Identify future facilities and associated emissions

Climate Action Plan
Add new facilities to baseline emissions
Water Authority’s Climate Action Plan

- Community–wide CAP vs. Government Operations CAP
  - (Multi-purpose agency)
  - (Single purpose agency)
Water Authority’s Climate Action Plan

- Inventories greenhouse gas (GHG) sources from facilities, buildings, and fleet
- Estimates emission changes over time, including new facilities from Master Plan
- Establishes required targets for compliance
- Identifies mitigation actions to reduce GHGs
- Documents GHG reduction measures on feasibility, cost and implementation
- Allows for periodic updates
Benefits of Comprehensive Planning

Climate Action Plan (CAP):

- CEQA streamlining for future projects
- Can look at the “big” picture through comprehensive analysis of cumulative impacts
- Provides broad list of possible mitigation measures
  - Possible cost savings through energy efficiency and water conservation
- Contributes to regional sustainability goals
- Demonstrates leadership within the community
Supplemental Program EIR

Environmental Impacts

Master Plan
Identify future facilities and associated emissions

Climate Action Plan
Add new facilities to baseline emissions
Changes from 2003 Program EIR

- Greenhouse gas emissions analysis
- Biological resources incorporate approved NCCP/HCP
- Potential effects and cumulative impacts of additional project implementation
The PEIR evaluates the following potential environmental effects:

- Aesthetics
- Agriculture and Forest Resources
- Air Quality
- Biological Resources
- Cultural Resources
- Geology and Soils
- Greenhouse Gas Emissions
- Hazards and Hazardous Materials
- Hydrology and Water Quality
- Land Use and Planning
- Mineral Resources
- Noise
- Population and Housing
- Public Services
- Recreation
- Transportation/Traffic
- Utilities and Service System
- Other CEQA mandated analyses including Alternatives, Cumulative Effects and Growth Inducement
Environmental Impact Conclusions

- All environmental impacts of near- and mid-term Master Plan facilities and CAP components are less than significant with program-level mitigation.

- Current analysis does not include any long-term water supply or conveyance projects undergoing feasibility studies.

- Additional project-specific level analysis will occur as Master Plan projects are further developed.
### Administrative Actions

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>April 15, 2013</td>
<td>Notice of Preparation posted at County Clerk’s Office; sent to State Clearinghouse; mailed to state, local, and member agencies and stakeholders</td>
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<tr>
<td>April 19, 2013</td>
<td>Notice published in San Diego Union Tribune</td>
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<tr>
<td>April 29, 2013</td>
<td>Public scoping meeting held</td>
</tr>
<tr>
<td>May 18, 2013</td>
<td>Public scoping period closed</td>
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## Administrative Actions (cont.)

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>November 22, 2013</td>
<td>Notice of Availability sent to State Clearinghouse; draft Master Plan, CAP, SPEIR mailed to state, local, and member agencies and interested parties</td>
</tr>
<tr>
<td>January 9, 2014</td>
<td>Public hearing held</td>
</tr>
<tr>
<td>January 16, 2014</td>
<td>Public comment period closes</td>
</tr>
<tr>
<td>Feb–Mar, 2014</td>
<td>Anticipated date for presenting recommendations for certification of Final SPEIR and approval of the Final Master Plan and CAP to Board of Directors</td>
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Required Actions/Permits

- Water Authority Board of Directors
  - Certify SPEIR, adopt Findings of Fact and Mitigation Monitoring & Reporting Plan, and approve Final Master Plan and CAP

- No facility construction approvals as outcome of process; therefore no permits required at Program level
How Do I Comment?

• **Oral Comments:**
  ◦ Fill out speaker card
  ◦ You will have *3 minutes* to offer your comments
  ◦ Comments are being recorded
  ◦ Please do not duplicate preceding speakers

• **Written Comments:**
  ◦ Hand in previously prepared written comments tonight
  ◦ Use written comment sheets provided and turn them in tonight, or
  ◦ Mail in written comments – all comments must be received by 5pm *January 16, 2014*