Bay Area Regional Reliability (BARR)

Bay Area Clean Water Agencies

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Background

- BARR Principles adopted by Agency Boards in May/June 2014
- BARR Drought Contingency Planning (DCP) Grant obtained from Bureau - Sept. 2015
- DCP Kick-off - March 2016
Eight Partner Agencies

- Marin Municipal Water District
  - Retail Agency; 189,000 customers

- Contra Costa Water District
  - Retail Agency and Wholesaler; 500,000 customers

- East Bay Municipal Utility District
  - Retail Agency; 1.4 million customers

- Zone 7 Water Agency
  - Wholesaler; 240,000 customers

- Alameda County Water District
  - Retail Agency; 344,000 customers

- Santa Clara Valley Water Agency
    (Wholesaler); 1.9 million customers

- San Francisco Public Utilities Commission
  - Retail Agency and Wholesaler; 2.6 million customers

- Bay Area Water Supply and Conservation Agency
  - Represents the 1.77 million wholesale customers of SFPUC
Goals

- Improve water supply reliability
- Cooperatively evaluate projects
- Prioritize use of existing infrastructure
- Evaluate potential new joint facilities
- Investigate equitable cost- and risk-sharing for future projects
Priorities

- Use existing facilities
- Leverage existing contracts
- Identify new projects (interties, etc.)
- Review other source opportunities (recycled water, storm water, indirect and direct potable reuse, etc.)
- Promote water conservation
- Prepare for an uncertain water supply

The Concepts and Principles behind Bay Area Regional Reliability are aligned with the California Water Plan and with the State’s Integrated Regional Water Management Program
Currently working on Drought Contingency Plan (DCP), an effort partially funded by the U.S. Bureau of Reclamation
Funding

<table>
<thead>
<tr>
<th>Costs</th>
<th>Funding Source</th>
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<tbody>
<tr>
<td>Drought Contingency Plan $473,500</td>
<td>Grant (Bureau of Reclamation Water SMART) = $200,000</td>
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<td>BARR Agencies = $273,500</td>
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<td>DCP Subtotal $473,500</td>
<td>$473,500</td>
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<tr>
<td>Available for Future Work $126,500</td>
<td>BARR Agencies = $126,500</td>
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<td>Total = $600,000</td>
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Notes:
1. Additional grants or agency contributions beyond $126,500 currently committed may be used to expand the future work.
Stakeholder Representation (Drought Task Force)

- Task Force provides input on strategies and work products
- 3 meetings scheduled to support decision making
Leverage Existing Facilities

1. CCWD/EBMUD Interties (multiple)
2. EBMUD/SFPUC Intertie
3. SCVWD/SFPUC Intertie
4. Los Vaqueros Reservoir
5. Freeport Intake (not shown on map)
6. Other existing intakes, storage, conveyance, and treatment plants (not individually numbered on map)
Potential New Facilities

Solutions may include:
1. ACWD/SFPUC Intertie
2. EBMUD/Zone 7 Intertie
3. Walnut Creek Pretreatment Upgrade
4. SFPUC/SCVWD West Side Intertie
5. SFPUC/Zone 7 Intertie
6. Transfer-Bethany Pipeline
7. Regional Desalination
8. Advanced Water Purification Center Expansion
9. Well Field Expansions and Improvements
10. EBMUD/MMWD Intertie

Also anticipated is the expanded use of recycled water, including potable and indirect and direct potable use.
Next Steps

- Complete the Drought Contingency Plan (by fall 2017)
- Initiate feasibility studies
- Identify solution portfolio to improve regional reliability
- Determine governance mechanisms to facilitate regional reliability (JPAs, Inter-Agency Agreements, etc.)
- Evaluate financial approaches
  - Federal, State, agency etc.
Questions?