



Colorado River Aqueduct Canal Liner Improvements

Engineering & Operations Committee

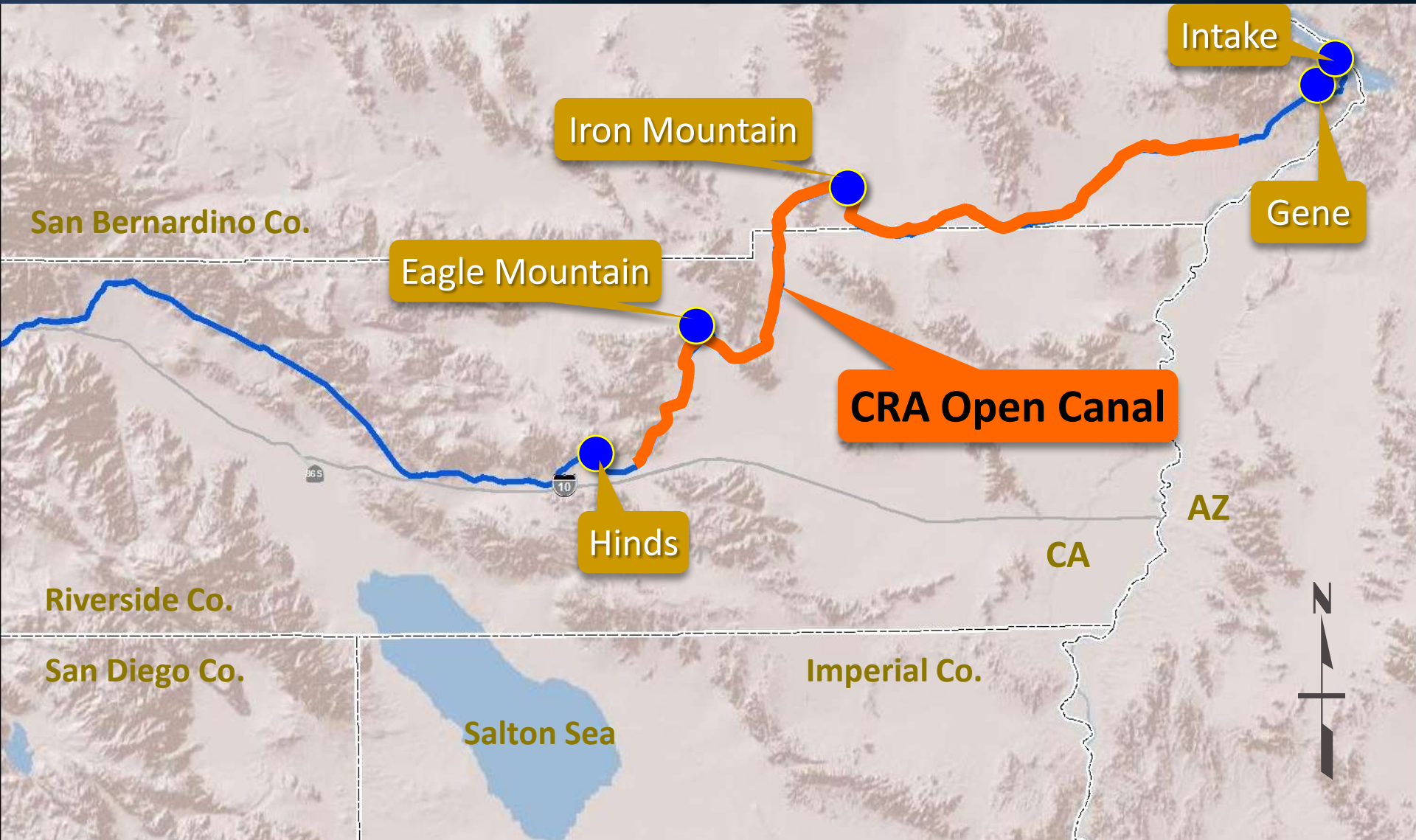
Item 7-8

March 12, 2012

Current Action

- Appropriate \$170,000 in budgeted funds
- Authorize preliminary design of canal improvements for the CRA

CRA Location Map



Background

- Maximum Flowrate
- Flows Overtop Canal at Certain Locations
 - Curves
 - Low Spots
 - Sediment Deposits
- Overtopping Causes Erosion & Damage to Walls
- Observed between Mile Markers 28 & 104



Scope of Work

- Project Scope of Work
 - Raise approximately 10 miles of canal walls to provide adequate freeboard
- Preliminary Design Activities
 - Canal inspection & field survey
 - Hydraulic analyses
 - Site grading & drainage design
 - Wall design criteria
 - Environmental documentation
- Performed by Metropolitan



Requested Funds

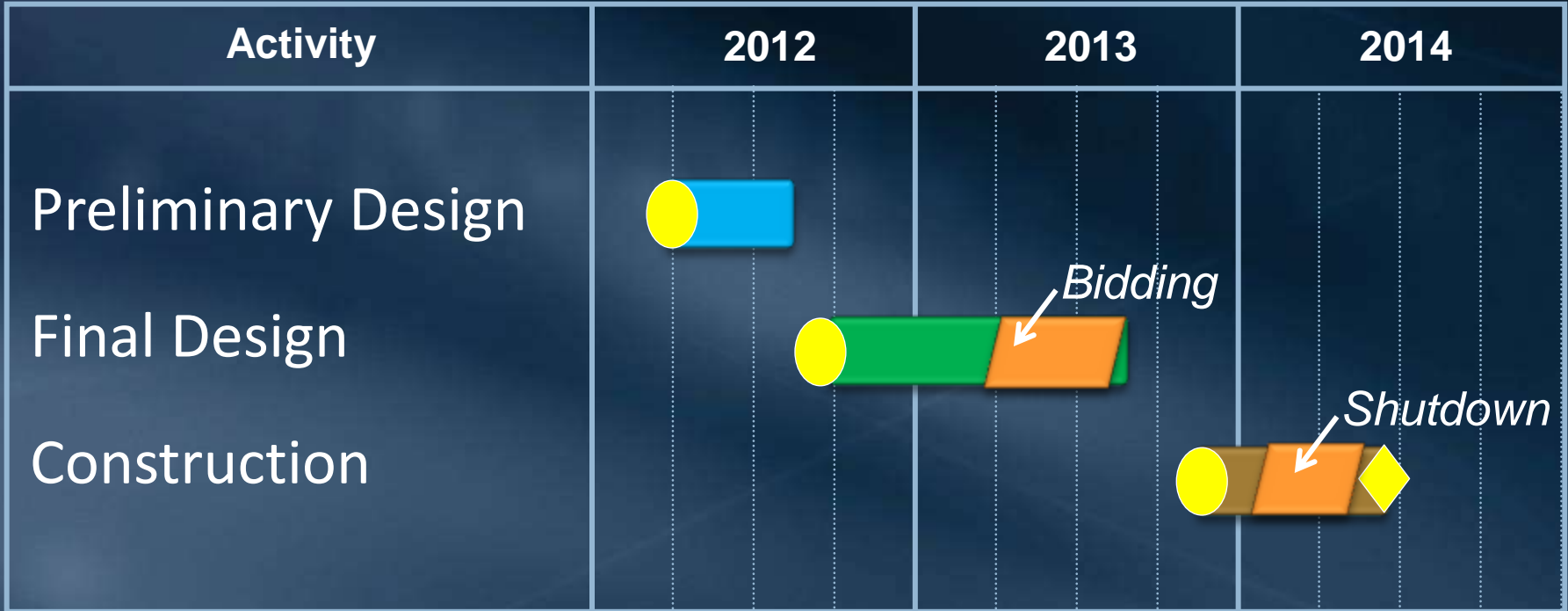
Labor

Proj Mgt, Environ. Doc.	\$	\$35,000
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Preliminary Design		135,000
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TOTAL	\$	170,000
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Schedule – CRA Canal Liner Improvements



 Preliminary Design

 Final Design

 Construction

 Board Action

 Project Completion

Board Options

- Option #1
 - Adopt CEQA determination
 - Appropriate \$170,000 in budgeted funds
 - Authorize preliminary design for CRA Canal Liner Improvements
- Option #2
 - Do not proceed at this time

Staff Recommendation

- Option #1

