

Authorize final design for 2 CRA rehabilitation projects

Engineering and Operations Committee

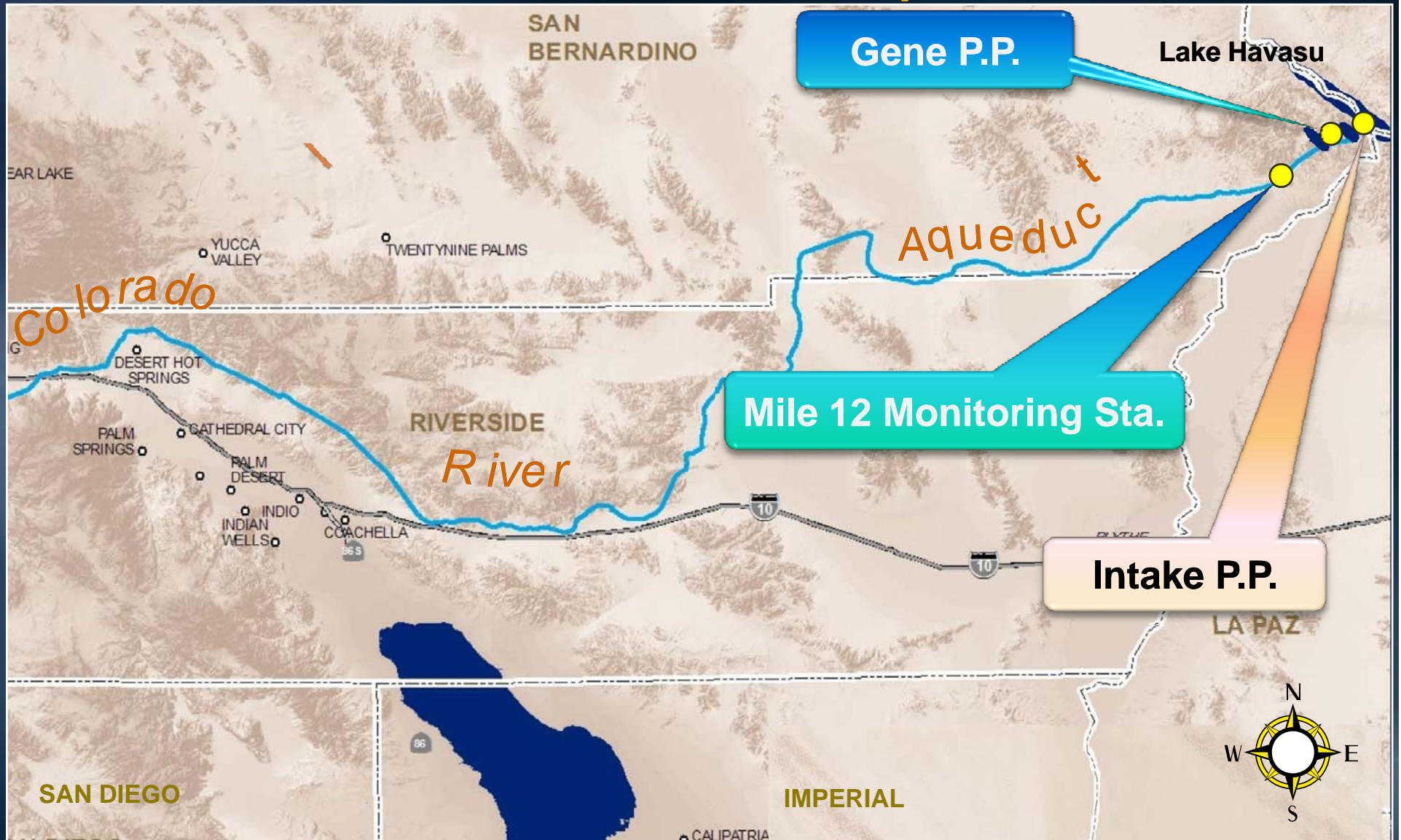
Item 7-2

November 2009

Current Action

- Appropriate \$390,000 in budgeted funds
- Authorize final design for upgrades to the CRA Mile 12 Monitoring Station
- Authorize final design of equipment storage facilities at Gene Pumping Plant

Location Map



1. Mile 12 Flow Monitoring Station



- Background
 - Installed in early 1990s
 - Located in manhole structure
 - Station required to monitor flow and chlorine levels
- Current concern
 - Equip. exceeded life span
 - Equipment has deteriorated
 - Chlorine vapors in structure

1. Mile 12 Flow Monitoring Station



- Scope
 - New equipment station
 - New flow meters, chlorine analyzers and data transmission equip.
 - New power line service
 - Final design by Met. staff

Requested Funds Mile 12 Upgrades

Labor

Final design 109,000

Owner costs 56,500

Incidentals 3,500

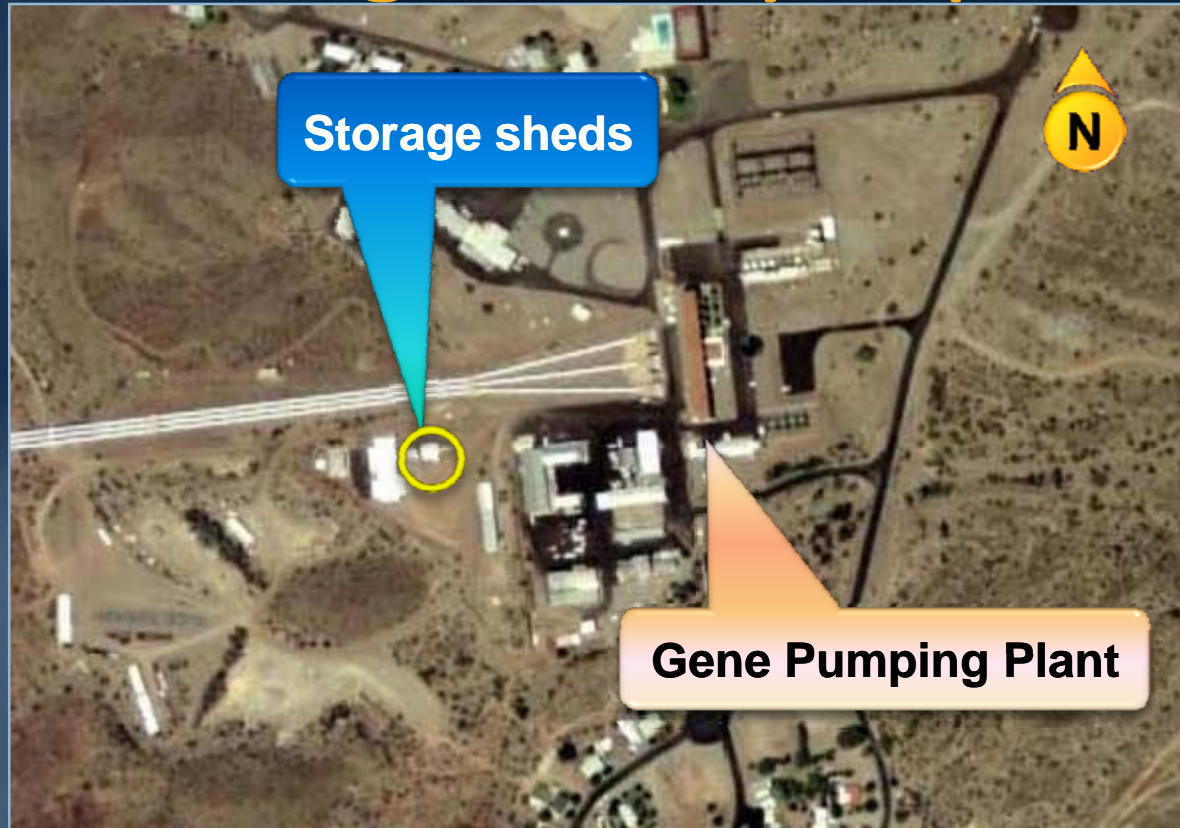
Technical services 10,000

Remaining Budget 31,000

Total \$210,000

Estimated construction cost range - \$650,000 to \$750,000

2. Gene Storage Facility Replacement



- Background
 - 3 sheds previously used for storage
 - Sheds were demolished
- Current concern
 - Inadequate storage
 - Equipment unprotected

2. Gene Storage Facility Replacement



● Scope

- Installation of 2 prefabricated sheds
- New concrete slabs and foundations
- Minor grading
- Final design by Met. staff

Requested Funds Gene Storage Facility

Labor

Final design	99,000
--------------	--------

Owner costs	56,900
-------------	--------

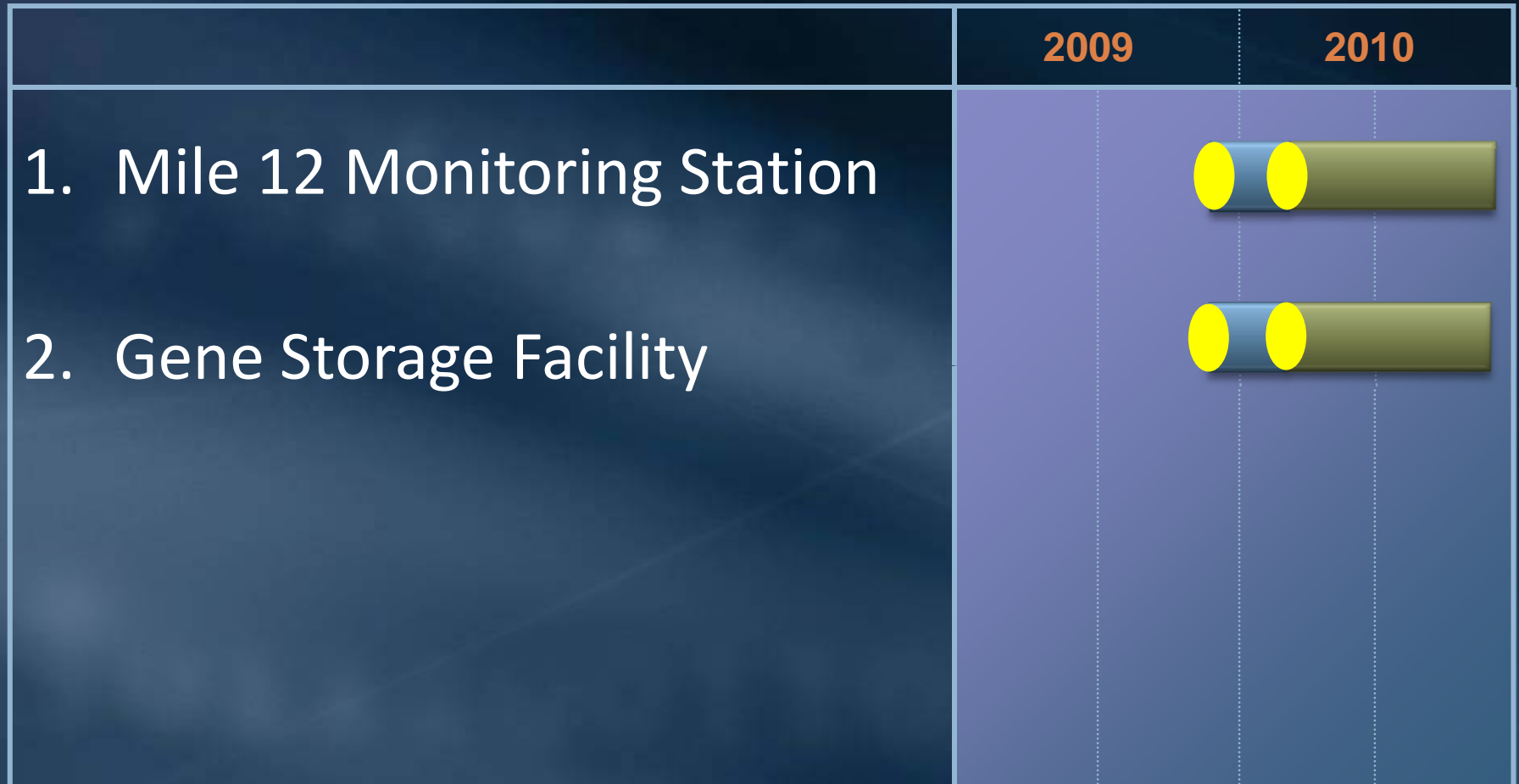
Incidentals	3,500
-------------	-------

Remaining Budget	20,600
------------------	--------

Total	\$180,000
--------------	------------------

Estimated construction cost range - \$620,000 to \$700,000

Schedule



Final Design-Award



Construction



Board Action

Board Options

- Option # 1
 - Adopt CEQA determination
 - Appropriate \$390,000 in budgeted funds
 - Authorize final design of upgrades to the CRA Mile 12 monitoring station
 - Authorize final design of equipment storage facilities at Gene Pumping Plant.
- Option # 2
 - Adopt CEQA determinations
 - Appropriate \$210,000 in budgeted funds
 - Authorize final design of the Mile 12 Monitoring Station
 - Do not authorize final design of equipment storage facilities at Gene Pumping Plant.

Board Options & Staff Recommendation

- Option # 3
 - Do not authorize 2 CRA reliability projects
- Staff Recommendation
 - Option #1

