Authorize 2 Improvements Projects at Mills Treatment Plant

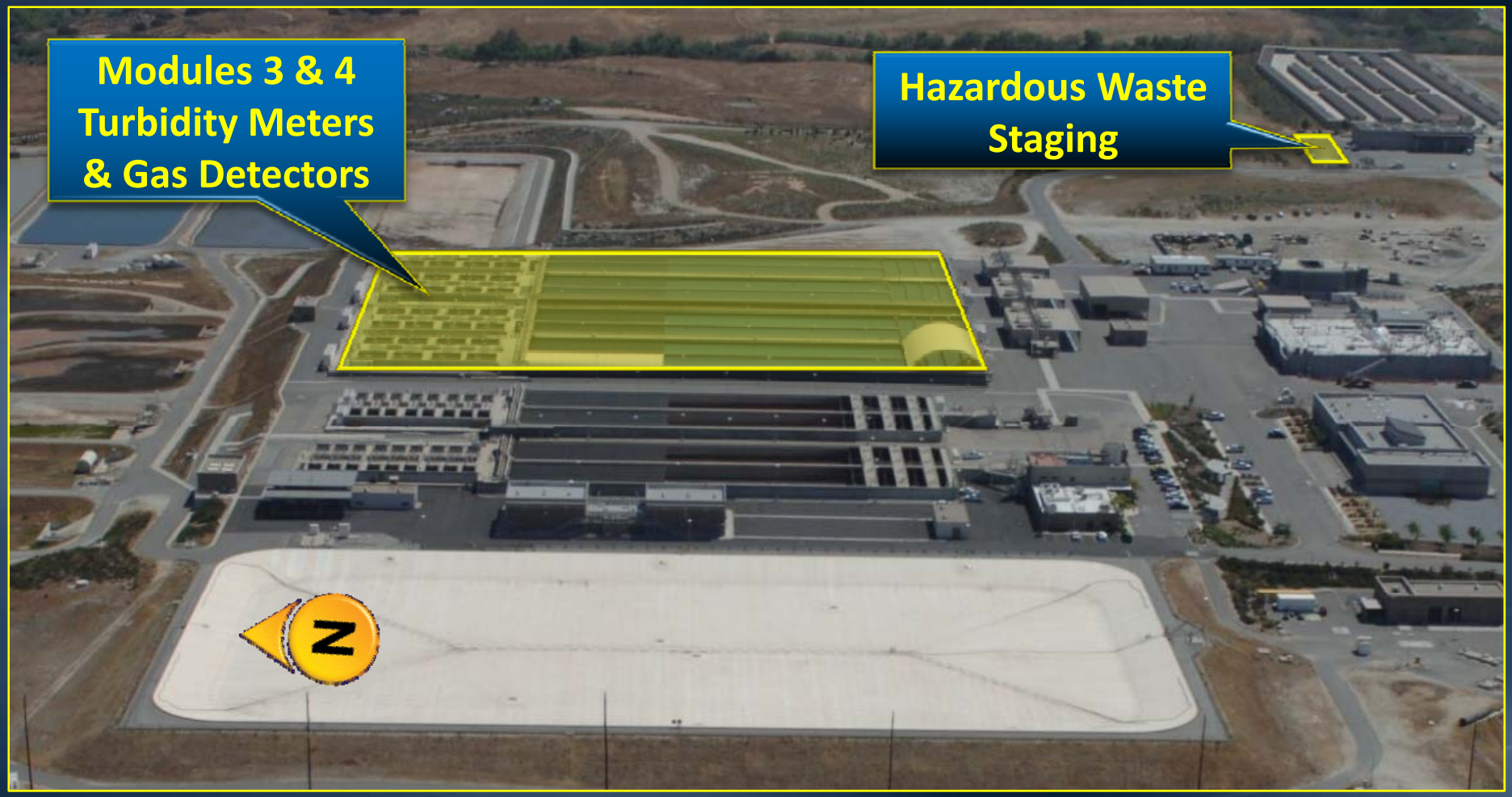
Engineering and Operations Committee
Item 7-1
April 11, 2011

Current Action

- Appropriate $840,000 in budgeted funds
- Authorize final design of Mills hazardous waste staging & handling facility improvements
- Authorize final design, procurement, & Metropolitan force construction of Mills Modules 3 & 4 turbidity meters & gas detectors replacements

Metropolitan Treatment Plants

Project Locations



Project 1: Hazardous Waste Staging & Handling Fac. Final Design

- Background
  - Storage in outdoor fenced area
  - No roof cover
  - Inadequate secondary containment
- Scope
  - Construct larger storage facility with roof cover
  - Improve secondary containment
  - Upgrade safety features
- Final design by Metropolitan

Hazardous Waste Staging & Handling Facility
Requested Funds

Final Design	$	67,000
Permitting, Project Mgmt, & Bidding		57,000
Remaining Budget		10,000
Total	$	134,000

Estimated construction cost $440,000 - $500,000

Project 2: Turbidity Meters & Gas Detectors
Final Design, Procurement & Construction

- Background
  - Turbidity meters
    - Measure filter performance
  - Gas leak detectors
    - Monitor environment for presence of chlorine or ammonia vapors
  - Frequent malfunctions
  - Spare parts unavailable
- Scope
  - Purchase & install turbidity meters & gas detectors
  - Upgrade gas detection alarm system
- Final Design, Procurement & Const. by Metropolitan

Turbidity Meters & Gas Detectors
Requested Funds

Studies & Investigations	$ 25,000
Final Design	73,000
Project Mgmt. & Record Drawings	43,000
Metropolitan Force Construction	241,000
Materials, Supplies, & Eqpt.	268,000
Remaining Budget	56,000
Total	$ 706,000

Schedules

Board Action

Completion of Construction

Final Design

Construction

Board Options

- Option #1
  - Adopt CEQA determinations
  - Appropriate $840,000 in budgeted funds
  - Authorize final design of Mills hazardous waste staging & handling facility improvements
  - Authorize final design, procurement, & construction of Mills Modules 3 & 4 turbidity meters & gas leak detectors replacement

Board Options

- Option #2
  - Adopt CEQA determinations
  - Appropriate $134,000 in budgeted funds
  - Authorize final design of Mills hazardous waste staging & handling facility improvements
  - Do not authorize the Mills Modules 3 & 4 turbidity meters & gas leak detectors replacement
- Option #3
  - Do not proceed with the 2 projects

Staff Recommendation

- Option #1

THE METROPOLITAN WATER DISTRICT OF
SOUTHERN CALIFORNIA
1928