



# Replace HVAC System at Metropolitan's Water Quality Laboratory at La Verne

Engineering & Operations Committee

Item 7-2

October 8, 2012

# Current Action

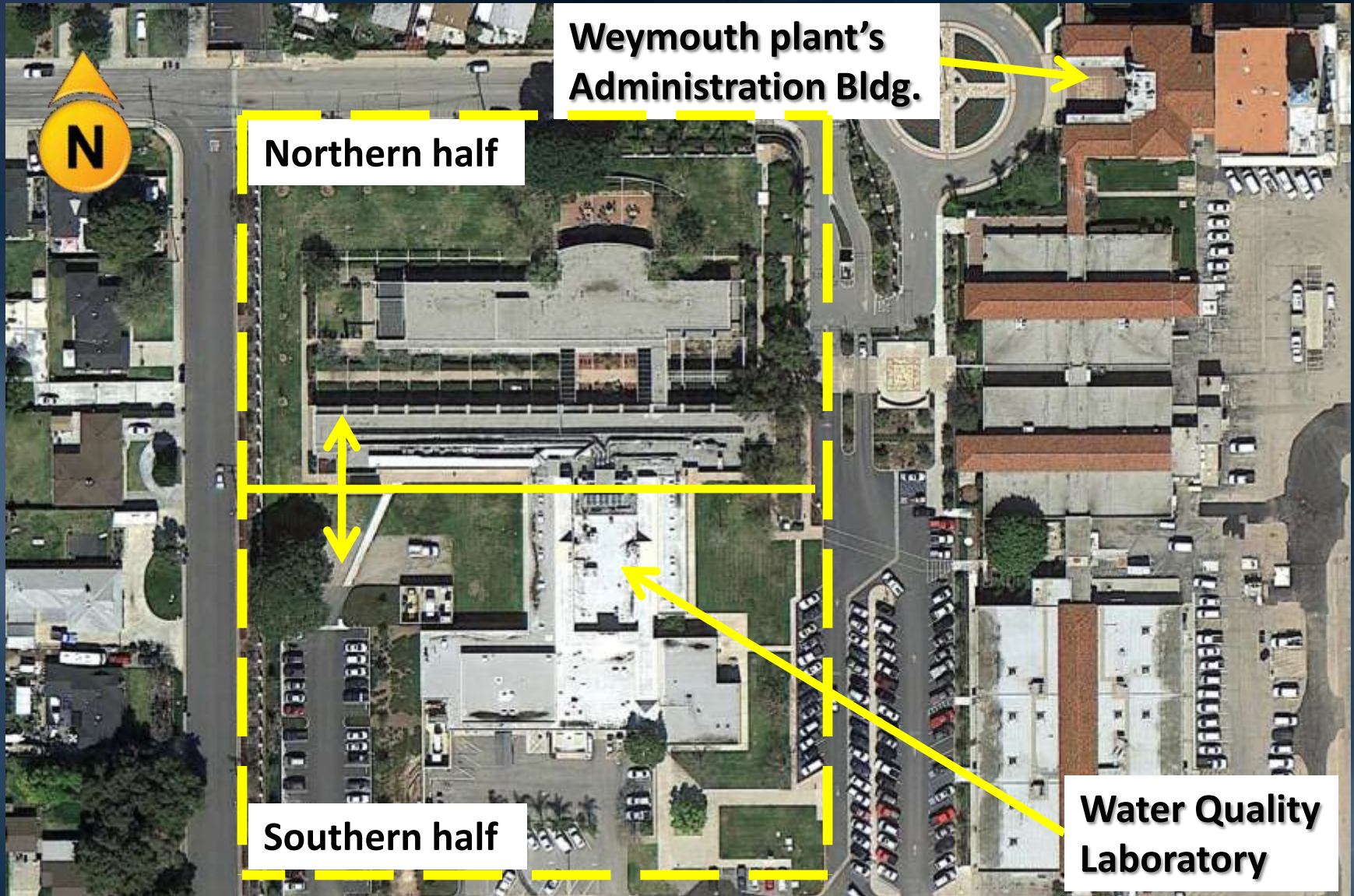
- Appropriate \$130,000
- Authorize preliminary design to replace the HVAC system at Metropolitan's Water Quality Laboratory

# Metropolitan Treatment Plants





# Project Location



# Laboratory HVAC System – Southern Half

## ● Existing Conditions

- Southern half serves 27,000 sq. ft.
- Once thru system
- In service 27 years
  - Increasing repair frequency
  - Refrigerant phase out
  - Reached end of service life
- Required to:
  - Maintain sample temperatures
  - Provide ventilation for fume hood operations

# Preliminary Design Scope

- Tasks

- Assess condition of the system's fan coil units, local controls & other ancillary eqpt.
- Prepare an installation sequencing plan
- Identify alternative cooling system refrigerants
- Evaluate overall system control integration
- Develop final design criteria
- Identify any required hazardous materials testing
- Prepare detailed project cost estimate

- Preliminary design by Metropolitan



# Requested Funds

## Labor

Preliminary Design

\$ 98,600

Proj Mgmt, local agency  
permitting, envir. docs

25,400

Remaining Budget

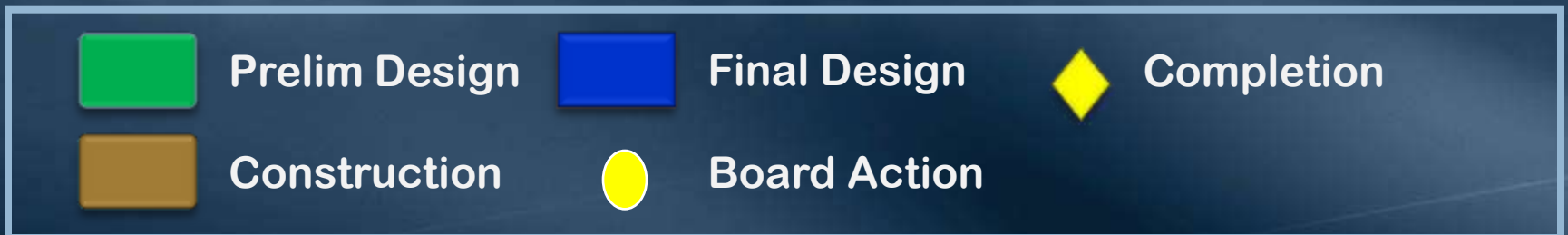
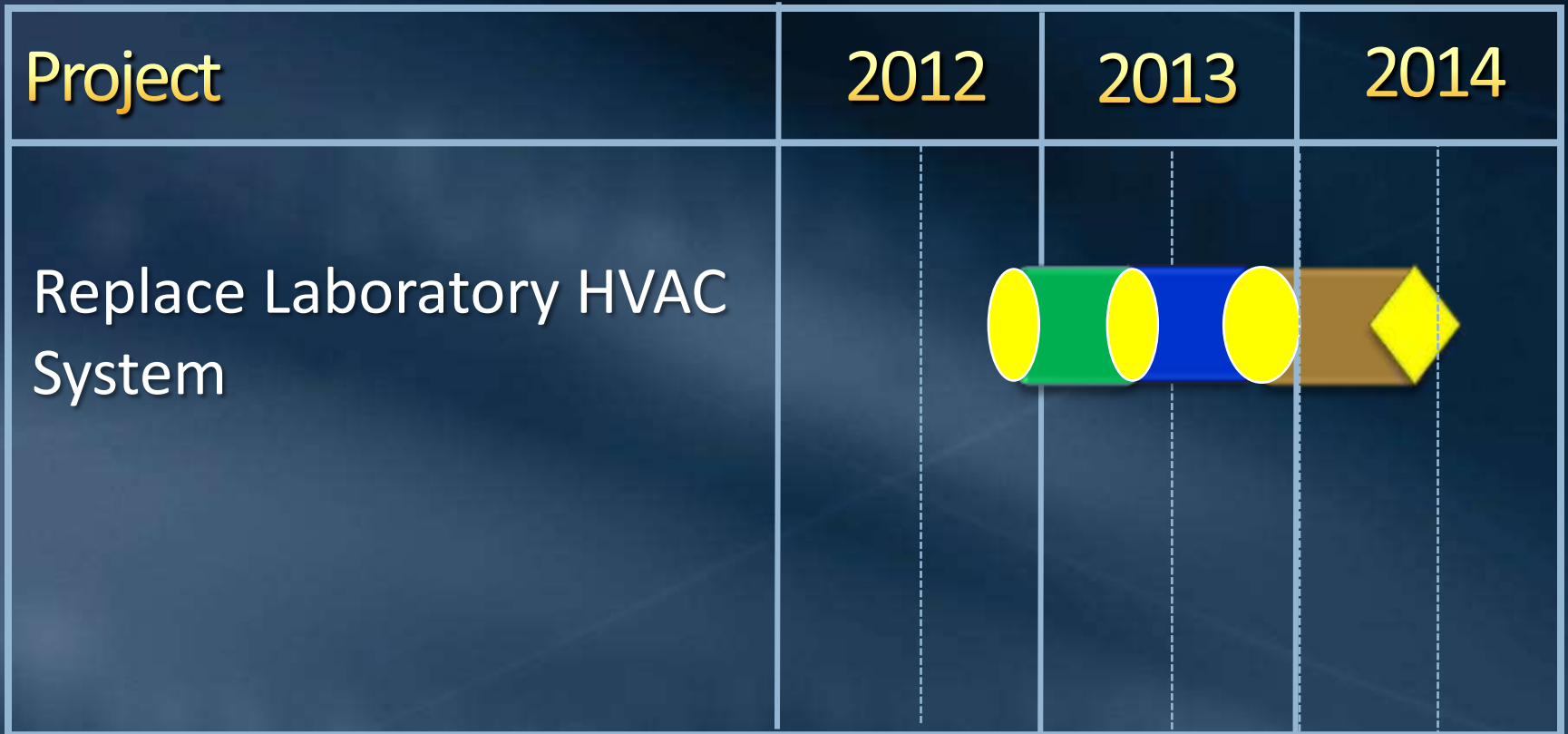
6,000

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**Total**

**\$130,000**

# Schedule





# Board Options

- Option # 1
  - Adopt CEQA determination
  - Appropriate \$130,000
  - Authorize preliminary design to replace the HVAC system at Metropolitan's Water Quality Laboratory in La Verne
- Option # 2
  - Do not proceed with the replacement project at this time

# Staff Recommendation

- Option # 1

