



Solids Dewatering Facility & Lagoons at the Jensen plant

Engineering & Operations Committee

Item 8-1

January 10, 2011

Current Action

- **Appropriate \$6.3 M in budgeted funds**
- **Authorize final design of Jensen Solids Dewatering Facility & Lagoons**
- **Authorize professional services support**
- **Adopt CEQA determination**

Metropolitan Water Treatment Plants



Jensen Water Treatment Plant



Current Approach

- **No on-site solids handling currently available**
- **Jensen solids handling capacity is constrained**
- **Current strategy**
 - Use 2 leased LADWP lagoons
 - Discharge to sanitary sewer
 - Previously used leased belt presses
- **What's changed**
 - LADWP will need leased lagoons back
 - Jensen plant needs permanent on-site solids handling

Jensen Solids Handling Strategy

- **Goal: Provide long-term reliability, flexibility, & low-cost operation**
- **Construct on-site solids handling in 2 stages**
- **Rely operationally on lowest-cost options in order**
- **Stage I – Provide 2/3 of ultimate capacity**
 - On-site lagoons (225 mgd)
 - On-site mech. dewatering (275 mgd)
 - Sanitary sewer (Short-term use as needed)
- **Stage II – Add final 1/3 of ultimate capacity**
 - Additional on-site mech. dewatering (+250 mgd)

Final Design Scope

- **1st stage facilities**
 - Lagoons
 - Belt press bldg
 - Support systems
- **Final design by Metropolitan staff w/ support by MWH Americas**

Professional Services

● MWH Americas

- Scope – Specialized design support
- Competitively selected (RFQ 927)
- SBE participation level 18%
- New agreement with NTE total of \$860,000

● Environmental Science Assoc.

- Scope – Envir. documentation & permitting
- Competitively selected (RFQ 763)
- SBE participation level 18%
- Increase of \$90,000 to exist. agreement, for new NTE total of \$420,000

Funds Requested

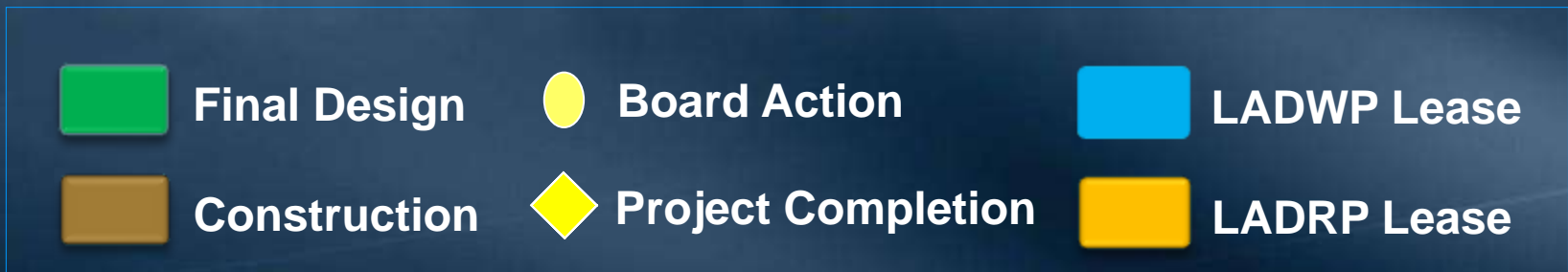
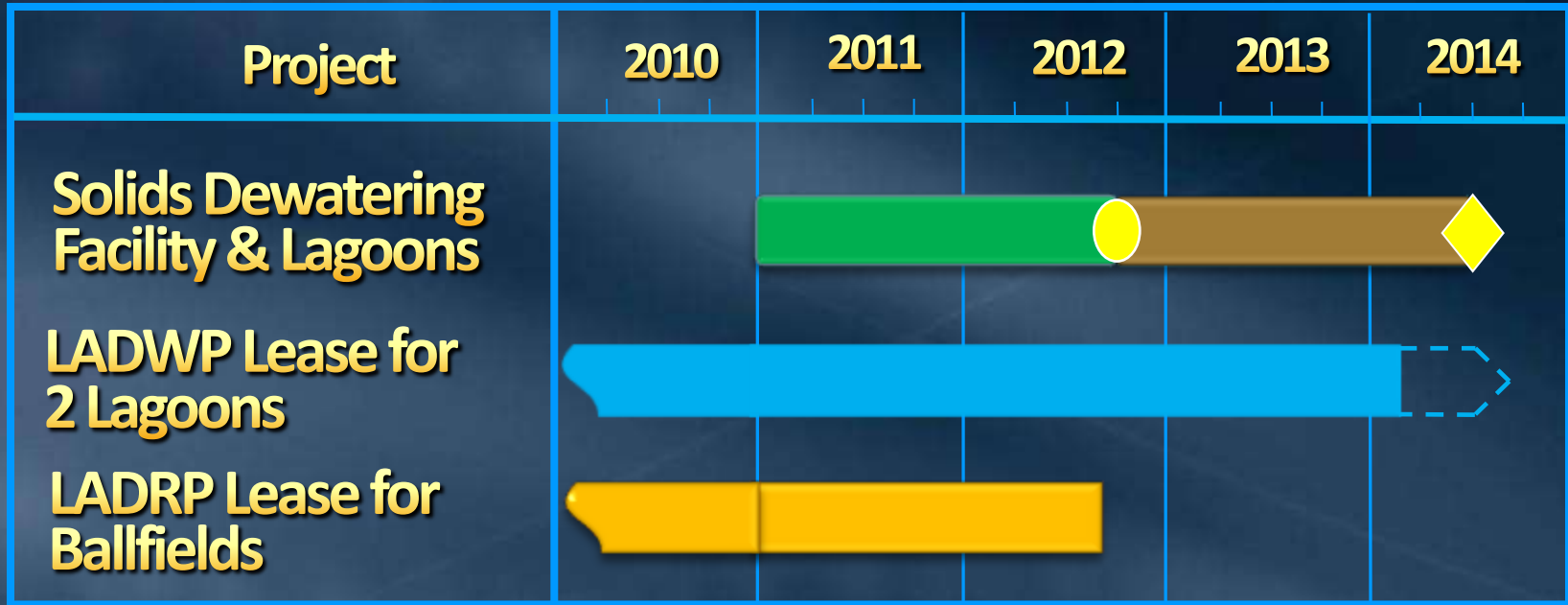
Site Investigations	\$ 117,000
Final Design	\$ 3,079,000
Owner Costs	\$ 861,000
Materials, Supplies, Incidentals	\$ 45,000
Professional Services	\$ 1,367,000
Remaining Budget	\$ 831,000

Total \$ 6,300,000

Est. Const. Cost = \$31–37 M

Project Schedule

Stage I



Board Options

● Option # 1

- Adopt CEQA determinations
- Appropriate \$6.3 M in budgeted funds
- Authorize final design of Stage I of Jensen Solids Dewatering Facility & Lagoons
- Authorize agreement w/ MWH Americas in amount NTE \$860,000
- Authorize increase of \$90,000 to exist. agreement w/ Envir. Science Assoc., for new NTE total of \$420,000

● Option # 2

- Do not authorize the project

Staff Recommendation

- **Option # 1**

