



Diemer Water Treatment Plant Chemical Feed System Improvements

Engineering and Operations Committee

Item 7-3

March 7, 2011

Current Action

- Appropriate \$660,000 in budgeted funds
- Authorize final design of Diemer Chemical Feed System Improvements

Metropolitan Treatment Plants



Project Locations



Chemical Feed System Improvements



● Importance

- Turbidity reduction
- Pathogen removal
- Maintaining disinfection residuals in pipelines
- Corrosion control

● Issues

- End of service life
- Spare parts no longer available
- Repeated failures & operational disruptions

Chemical Feed System Improvements



- Scope
 - Replace pumps, flow meters, and control valves
 - Upgrade motor drives
 - Improve piping configuration
- Final design by Metropolitan staff

Requested Funds

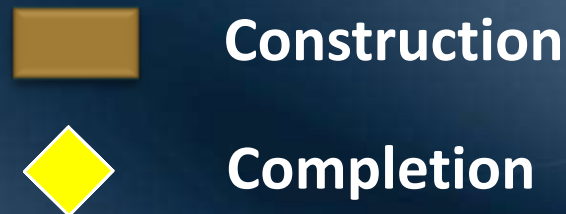
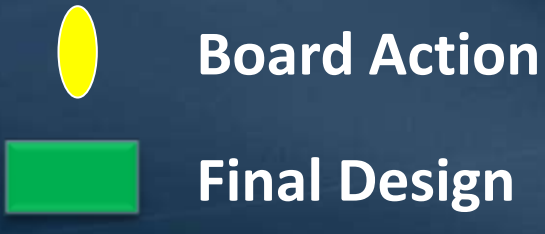
Chemical Feed System Improvements

Owner Costs	\$66,400
Final Design	\$512,200
Incidentals, Materials & Supplies	\$2,400
Remaining Budget	\$79,000
Total	\$660,000

*** Estimated construction cost: \$4.0 – 4.4 million**

Schedule

Chemical Feed System Improvements



Board Options

● Option #1

- Adopt CEQA determination
- Appropriate \$660,000 in budgeted funds
- Authorize final design of Diemer Chemical Feed Improvements

● Option #2

- Do not proceed with this project

Staff Recommendation

- Option # 1

