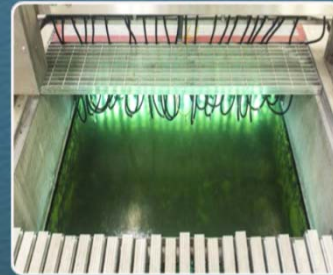


Progressive Design-Build Services

AECOM **W. M. LYLES CO.**
— a joint venture —

RWCF Modifications Project
Water Advisory Group
September 5, 2018



Project Development

- Key Milestones

- Determine Flows and Loads (2035 and 2045): 3-2017
 - Flows and Loads are Lower than CIEMP Projections
- 10% Facility Process Description & Cost Estimate: 8-2017
- 25% Design & Cost Estimate: 3-2018
- 50% Design & Cost Estimate: 7-2018
- 65% Design with Phase 2 Price: 12-2018
- Phase 2 negotiation final: 2-2019
- Council Award Phase 2 Contract: 3-2019

- Parallel Activities

- EIR Certification by Council: 3-2019
- Financing Plan Approval by Council 3-2019
- Cost of Service Study, 3-2019

Project Characteristics

- Moved Tertiary Treatment to Main Plant (East) Side of River
 - No Added Cost
 - Significant Benefit for Plant Operations
- Rehab/Refurbish Existing Headworks
- New Influent Pump Station and Grit
- Primary Clarifier Rehabilitation
 - Returning 2 Clarifiers Back into Service
- Moved New Biological Treatment to South Property
 - Meet NPDES Permit Criteria
 - Provides Interim Operational Flexibility During Construction
 - Potential to Save Cost Due to Construction Efficiencies
 - Ready Future Expansion Capability

Project Characteristics

- Repurpose Biotower PS, Secondary Eff PS, Gravity Thickener No. 1
- Located New Solids Handling Adjacent to Existing
- Wetlands Will Not be Maintained as Wetlands
- River Discharge via Existing Outfall Initially
 - Scoping New Outfall Feasibility, not part of project at this time
- Existing Ponds and Wetlands will Provide Evaporative Relief of High Flows

Project Characteristics

- Personnel Facilities
 - Admin, Lab, and Stores – New
 - Maintenance/Collections – Expansion
 - Operations – Remodel
- Anticipated Operational Cost Savings
 - Approximately \$1M/yr to \$2.5M/yr

Overall Site Plan



Building Renderings



Design Submittals-Phase 1

- 50% Design Cost Estimate
 - \$167M (Does not include non-construction costs and contingency of \$26M)
 - \$146M Construction
 - \$21M Engineering and Construction Management (CM)
 - Items Influencing Cost
 - American Iron and Steel
 - Other Raw Materials

Team Structure

- AECOM/Lyles J.V.
 - Project Management – AECOM (Sacramento)
 - Design – AECOM (Chelmsford, MA)
 - Construction Estimating – W.M. Lyles (West Sacramento)
 - Executive Team
 - Sergio Bazarevitsch – AECOM (Denver)
 - Stan Simmons – W.M Lyles (Temecula)
- City
 - MUD Manager – John Abrew
 - Project Manager – Art O'Brien and Jeff Pelz
 - MUD Engineering Staff
 - MUD Operations
 - MUD Maintenance

