



Diamond Valley Lake Electrical Upgrades & Sanitation Facility at the East Dam Area

Engineering & Operations Committee

Item 8-3

May 9, 2016

Current Action

- Appropriate \$2,120,000
- Award \$708,000 contract to Pacific Winds Buildings, Inc. for electrical upgrades at the East Dam area
- Authorize \$540,000 agreement & granting of easements to Southern California Edison
- Authorize construction of a sanitation facility at the East Marina

Distribution System



Diamond Valley Lake



Connection to Existing SCE System

East Marina

East Dam Seepage Monitors



1. Electrical Upgrades

- Background
 - East Dam constructed with temporary power system
 - Numerous electrical outages & repairs
- Project Objectives
 - Reliable monitoring of East Dam
 - Reduced electrical outages
 - Continuous security & safety surveillance



East Marina WAN tower



Damaged temp. power pole

1. Electrical Upgrades

● Contractor Scope

- New substation at East Marina
- Permanent electrical service to existing East Dam seepage monitors & East Marina

● SCE Scope

- 13,000 ft of 12kV overhead power lines to the East Dam & East Marina

● Metropolitan Scope

- Tie-in, switchover, testing support
- Site preparation
- Const. inspection & PM



1. Technical Support During Construction

● Kennedy/Jenks Consultants

- Scope of work: Review submittals, respond to RFIs, prepare record drwgs.
- 18% SBE participation
- Estimated cost: \$90,000
- No action required

● Wagner Biological Consulting

- Scope of work: Pre-const. envir. clearance, biological monitoring
- SBE firm
- Estimated cost: \$40,000
- No action required

1. Bid Results

Specifications No. 1844

Bids Received	March 22, 2016
No. of Bidders	10
Low Bidder	Pacific Winds Building, Inc.
Low Bid	\$708,000
Other Bids	\$817,000 to \$1,965,600
Engineer's Estimate	\$900,000
SBE participation *	100%

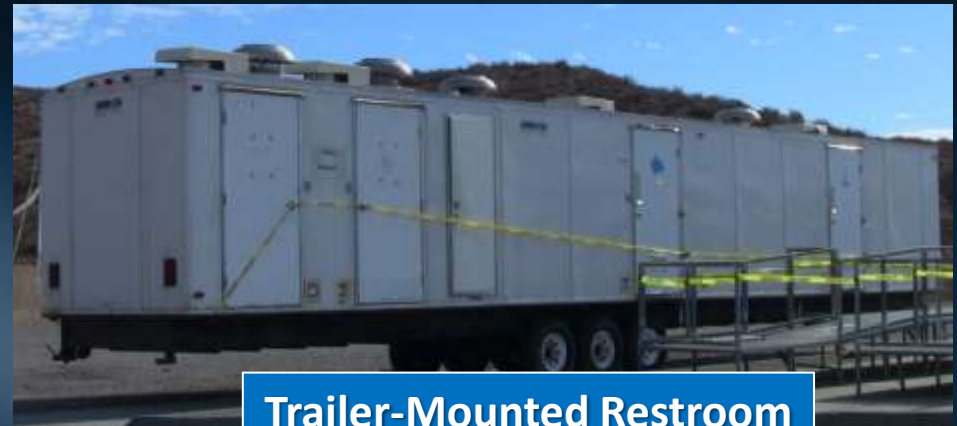
* SBE (Small Business Enterprise) participation level set at 25%

1. Agreement with SCE

- 12kV Service Extension by SCE
 - SCE cost: \$540,000
 - All customer-requested improvements are performed via a project-specific contract
- Easements Granted to SCE
 - Provide easement rights to access, install, & maintain electrical eqpt.
 - Real property interest to be conveyed exceeds five years & does not contain Metropolitan's standard conditions for easements

2. East Marina Sanitation Facility

- Background
 - Temporary trailer-mounted restroom removed in 2013
 - Single portable units in use today
- Project Objectives
 - Enhanced sanitation
 - Permanent ADA-compliant facilities



Trailer-Mounted Restroom



Single Portable Units

2. East Marina Sanitation Facility

- Contractor Scope
 - Furnish & install prefab. concrete restroom bldg.
- Metropolitan Scope
 - Install wastewater holding tank
 - Construct bldg. foundation
 - Perform grading & nearby utility extensions
- Facility will be compatible with future permanent utilities to East Marina area



Prefabricated Concrete Restroom

2. Bid Results

Specifications No. 1876

Bids Received	April 7, 2016
No. of Bidders	2
Low Bidder	Gilman Builders, Inc.
Low Bid	\$204,000
Second Bid	\$222,450
Engineer's Estimate	\$300,000
SBE participation	100%

- Funds were previously appropriated








Requested Funds

DVL East Dam Electrical Upgrades

Construction Contracts	\$1,248,000
Labor	
Met. Force Construction	150,000
Construction Mgmt.	200,000
Permitting & PM	152,000
Submittals Review & Record Drwgs	98,000
Right-of-Way Activities	49,000
Materials & Incidental	45,000
Professional Services	130,000
Remaining Budget	48,000
Total	\$2,120,000

Total construction cost: \$1,443,000

Schedule

Project	2016	2017
1. DVL East Dam Electrical Upgrades		
2. DVL East Marina Sanitation Facility		
<div style="display: flex; justify-content: space-around;"> <div data-bbox="475 968 913 1021">  Construction </div> <div data-bbox="1141 958 1508 1029">  Board Action </div> <div data-bbox="475 1079 1020 1205">  Start-up, Testing & Commissioning </div> <div data-bbox="1141 1090 1476 1162">  Completion </div> </div>		

Board Options

● Option #1

- Adopt CEQA determination that the proposed actions have been previously addressed
- Appropriate \$2,120,000
- Award \$708,000 to Pacific Winds Building, Inc. for electrical upgrades at the DVL East Dam area
- Authorize \$540,000 agreement with SCE to extend electrical service to the East Dam area
- Authorize granting of permanent easements to SCE
- Authorize const. of sanitation facility at East Marina

Board Options

● Option #2

- Adopt CEQA determination that the proposed action has been previously addressed
- Appropriate \$2,120,000
- Award \$708,000 to Pacific Winds Building, Inc. for electrical upgrades at the DVL East Dam area
- Authorize \$540,000 agreement with SCE to extend electrical service to the East Dam area
- Authorize granting of permanent easements to SCE
- Do not proceed with the East Marina Sanitation Facility at this time

Board Options

- Option #3
 - Do not proceed with the two projects at this time

Staff Recommendation

- Option # 1

