



NEVADA COUNTY SANITATION DISTRICT NO. 1
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File:300.1955 042

NEVADA COUNTY SANITATION DISTRICT NO. 1 BOARD OF DIRECTORS
Board Agenda Memo

MEETING DATE: May 24, 2016
TO: Board of Directors
FROM: Brad Torres, Wastewater Operations Manager
SUBJECT: **Resolution Authorizing the Approval of Bidding Documents and Specifications for the Penn Valley Dual Sewer Force Main Project – Contract No. 877140, Resolution Authorizing Equipment Sole Source for the Penn Valley Dual Sewer Force Main Project – District IV**

RECOMMENDATION: Approve the attached Resolutions.

FUNDING: Funding for the project is for Fiscal Years 2015/16 and 2016/17 and impacts the Sanitation District No. 1 Penn Valley Capital Budget. The project is funded with grants from the Community Development Block Grant Program and the State Revolving Fund. No budget amendment is needed and there is no impact on the General Fund.

BACKGROUND:

On August 12, 2014, the District adopted Resolution SD14-11 establishing funding for the Penn Valley Dual Sewer Force Main Project (Project) for Fiscal Years 2014/15 and 2015/16. The resolution authorized the Auditor/Controller to establish a budget for the project using Community Development Block Grant (CDBG) funds (funding award #13-CDBG-0931) and State Water Resources Control Board (SWRCB) funds (agreement #13-829-550) in the amount of \$6,302,326.

Also on that date, the District adopted Resolutions SD14-13 and SD14-14 awarding preliminary engineering design and project management services to Hydrosience Engineers Inc. (HSE) and Coastland Civil Engineering (CCE), respectively. On April 28, 2015, the District adopted Resolution SD15-05 awarding a final design contract to HSE.

The plans, specifications and cost estimate for the Penn Valley Dual Sewer Force Main Project have been completed and are attached to this staff report. The project is located in Penn Valley and Lake Wildwood, along Penn Valley Drive, Spenceville Road and Pleasant Valley Road. The project includes dual, 6" force mains along the entire 4.4 mile alignment, a new pump station at the Penn Valley Fire Station and piping improvements at the Lake Wildwood Wastewater Treatment Plant to accommodate additional flows.

BUDGET INFORMATION:

Project funding and expenditures are summarized below.

| | |
|-----------------------------|-------------|
| <u>Revenues</u> | |
| SRF | \$5,000,000 |
| CDBG | \$1,302,326 |
| <u>Total Project Budget</u> | \$6,302,326 |

Fiscal Year 2014/15 Expenditures Total (\$331,902)

| | |
|---|---------------|
| <u>Fiscal Year 2015/16 – 2016/17 Estimated Project Expenditures</u> | |
| Engineering (Preliminary & Final Design) | (\$627,000) |
| Project Management / Administration | (\$175,000) |
| Right-of-Way / Property Acquisition | (\$17,000) |
| Advertising & Reproduction | (\$4,000) |
| Utility Service Connections & Fees | (\$29,000) |
| Engineering Services During Construction | (\$150,000) |
| Construction Management & Inspection | (\$487,000) |
| Construction (Base Bid – Based on Bid Set Estimate) | (\$4,359,000) |
| Construction Contingency (2.8% of construction costs) | (\$122,000) |
| Total | (\$5,970,000) |

Funding Summary

| | |
|--------------------------------------|---------------|
| Total Project Funding | \$6,302,326 |
| Total Estimated Project Expenditures | (\$6,302,000) |

Construction Bid Alternates (8 items) \$1,577,000

Alternates are listed in Volume 1 of the bidding documents.

Sole Source

Staff is also requesting authorization to sole source specific equipment for the project based on the following justifications:

- The brand or trade name product is the only one which will properly meet the needs of the District and Project; and
- The equipment is designated to match others already in use by the District and is necessary to be compatible with other pieces of equipment.

Equipment specifically requested to be sole sourced for this project is listed in the table below:

| Table 1: Sole Source Equipment | |
|---------------------------------------|----------------------|
| Type Equipment | Manufacturer |
| <i>Energy Dissipation Unit</i> | <i>Ipex Vortex</i> |
| <i>Odor Control Unit</i> | <i>Anua</i> |
| <i>Submersible Pumps</i> | <i>Flygt</i> |
| <i>Programmable Logic Controllers</i> | <i>Allen Bradley</i> |

Project Schedule

The anticipated project schedule is shown below:

| | |
|-------------------------------------|-----------------------|
| Publication of Notice Inviting Bids | May 24, 2016 |
| Contractor Bid Submittal | June, 2016 |
| Award Construction Contract | July, 2016 |
| Construction | July 2016 – June 2017 |

Item Initiated by: Brad Torres, Wastewater Operations Manager

Approved by: Steve Castleberry, Director of Public Works

Submittal Date: May 9, 2016

BT:SC:cn