



NEVADA COUNTY SANITATION DISTRICT NO. 1
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Sean Powers
Deputy District Administrator

Trisha Tillotson
Director of Public Works

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

MEETING DATE: September 12, 2017

TO: Board of Directors

FROM: Brad Torres, Wastewater Operations Manager

SUBJECT: Resolution Approving Amendment No. 2 to the Contract With HydroScience Engineers, Inc. for Engineering Services During Construction of the Connection of the Penn Valley Sewer System to the Lake Wildwood Wastewater Treatment Plant Improvement Project in an Amended amount not to exceed \$883,971

RECOMMENDATION: Approve the attached Resolution.

FUNDING: Funding for this amendment is for Fiscal Year 2017/18 and impacts the Sanitation District No 1 Penn Valley Zone 6 budget, the Lake Wildwood Zone 1 budget and the Valley Oak Court Zone 12 budget, and the Penn Valley Capital Improvement Budget. The project is funded with grants from the Community Development Block Grant Program and the State Revolving Fund. Additional funding from the Lake Wildwood Zone 1, Penn Valley Zone 6 and Valley Oak Court Zone 12 fund balance will be used for extra work encountered on zone specific locations and projects. A budget amendment has been submitted as a separate Resolution for consideration and there is no impact on the General Fund.

BACKGROUND: On August 16, 2016, the Board of Directors adopted Resolution No. SD16-013, which approved the Nevada County Sanitation District No. 1 (District) to award the Penn Valley Dual Force Main Project contract to Koch & Koch. This contract did include a 10% of the base bid contingency amount of \$492,481. Construction is currently on going but costs have exceeded or are anticipated to exceed authorized and budgeted amounts due to several reasons described below:

1. Early on in the project and in an effort to save costs for the Valley Oak Court Zone 12, connections from the new force main to Valley Oak Court were installed via change order. The cost of this additional work was \$11,871 for construction and \$10,000 for engineering.
2. Aged storm drainage culverts were further damaged during recent rain events and required replacement in conjunction with the pipeline construction and in order to save costs and prevent time overruns.

3. A significant amount of rock inconsistent with the geotechnical findings for the project was discovered during work activities specific to either the Lake Wildwood or Penn Valley treatment zones; resulting in nine change orders totaling \$719,929 to date with an anticipated additional \$610,000 in rock break and removal activities that have yet to be performed or billed. As a result, consultants HydroScience Engineers Inc. and Coastland Civil Engineering have incurred additional costs of \$76,210 and \$50,000 respectively.

The total additional cost to the engineering contract is \$76,210.

In addition, Public Works staff is currently engaging the State Waterboard to see if any more funding available for the project. If acquired, this funding option will be brought to the board and used prior to any local funds.

Item Initiated by: Brad Torres, Wastewater Operations Manager

Approved by: Trisha Tillotson, Director of Public Works

Submittal Date: August 24, 2017

Revision Date: