



April 19, 2018

Board of Directors
Ventura Regional Sanitation District
Ventura, California

APPROVAL OF AMENDMENT NO. 1 TO INCREASE THE TOTAL COMPENSATION OF VRSD CONTRACT NO. 17-020 WITH BIOGAS ENGINEERING, INC. BY \$80,000 FOR LANDFILL GAS ENGINEERING CONSULTING SERVICES

RECOMMENDATIONS

Approve, and authorize the Board Chair to sign, Amendment No. 1 to VRSD Contract No. 17-020, with Biogas Engineering, Inc., in order to increase the total compensation by \$80,000 for a revised total compensation amount not to exceed \$304,450.

FISCAL IMPACT

A portion of this amendment (\$30,000) is available in the adopted FY2017-2018 VRSD budget under account codes 90-490-499921-52074 and 90-490-499930-52074. The remainder amount (\$50,000) was provided through Fire recovery services during December 2017 and was tracked through special account code 25-401-400710-52074 and reimbursed through the District's insurance coverage at the Toland Road Landfill.

BACKGROUND/ANALYSIS

A contract for landfill gas consulting services was awarded to Biogas Engineering, Inc. on July 7, 2017, following a request for qualifications and subsequent interviews of seven experienced firms in the industry. These services focus on providing engineering and operational support of the gas collections systems at District landfills, as well as design and construction monitoring of landfill gas capital projects for the District.

Additional funding needed for this contract through the remainder of FY 2017-2018 covers services that were needed during the Thomas Fire recovery effort in December 2017, as well as capital design work for leachate and condensate treatment at the Toland Road Landfill. The breakdown of this additional funding is outlined as follows:

- Fire Repairs - \$50,000 – 25-401-400710-52074
- Leachate Treatment System Design - \$5,000 – 90-490-499930-52074
- Condensate Treatment System Design - \$25,000 – 90-490-499921-52074
- Total = \$80,000

Biogas Engineering, Inc. provided immediate design and field construction services following the significant damage to the gas collection system incurred during the Thomas Fire on December 6, 2017. During the fire, over 9,000 linear feet of aboveground HDPE was destroyed, and 15 wellheads were compromised. Biogas Engineering visited the site, assessed the damage, expedited delivery of new alignment and valve design details, and provided continuous construction monitoring services as the damaged section of the collection system was completely rebuilt in an eight-day period. They also assisted in helping staff to carefully bring the system back online.

Additional capital design services added to Biogas Engineering's scope of services has focused on the development of leachate and condensate treatment systems. The District had these capital projects approved by the Board as part of the FY2018 adopted budget. Biogas Engineering has developed a treatment system for leachate produced at Toland Road Landfill. The system is currently under a pilot test and will be brought online in the next few months following completion of the pilot test and approval of a permit modification by the Regional Water Quality Control Board. Biogas Engineering is also providing design and construction monitoring services for piping modifications, and leachate/condensate storage facilities for the new treatment systems. The goal of this effort will be to reduce the nearly two million gallons of leachate and condensate that are reintroduced into the landfill each year. This will reduce the impact that liquids have on the gas collection system at the landfill and will also reduce the use of potable water for dust control.


This letter and the associated contract have been reviewed by VRSD legal counsel as to form.

If you should have any questions or need additional information, please contact me at (805) 658-4679 or via email at mattbaumgardner@vrzd.com.



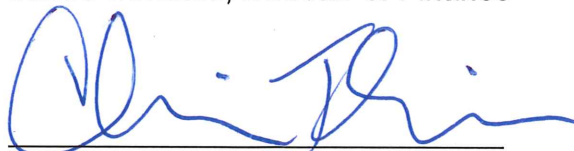
MATT BAUMGARDNER, DIRECTOR OF OPERATIONS

APPROVED FOR FUNDS AVAILABLE:



Carlos Corrales, Director of Finance

APPROVED FOR AGENDA:



Chris Theisen - General Manager