



**NAPA-VALLEJO WASTE
MANAGEMENT AUTHORITY**

Agenda Date: 6/7/2018

Agenda Placement: 7A

Napa-Vallejo Waste Management Authority Board Agenda Letter

TO: Board of Directors

FROM: Richard Luthy - Executive Director
Napa-Vallejo Waste Management Authority

REPORT BY: Richard Luthy, Executive Director, Napa-Vallejo Waste Management - 707-299-1314

SUBJECT: Approve Agreement 2018-17 Cinquini/Passarino

RECOMMENDATION

AGREEMENT 2018-17 CINQUINI/PASSARINO

REQUESTED ACTION: Approval of and authorization for the Chair to sign Agreement 2018-17 with Cinquini & Passarino, Inc., in the amount of \$9,475, effective June 7, 2018 through June 30, 2021, to provide settlement monitoring services for the solar panels installed at the American Canyon Sanitary Landfill.

EXECUTIVE SUMMARY

The Authority installed a 55 kW solar power array at the American Canyon Sanitary Landfill (ACSL) in late 2017. The purpose of the installation was to: 1) reduce power costs associated with operation of the flare station; and 2) evaluate the impacts of a solar power array on operation and maintenance of the landfill. One of the primary concerns with locating solar systems on landfills is the impact of ongoing settlement of the landfill surface. Differential settlement can affect alignment and efficiency of the panels, and can lead to conflicts with regulatory mandates to maintain grading of the surface of the landfill to prevent ponding and infiltration of rainfall.

The proposed contract would establish a surveying program to routinely monitor elevations at key locations on the solar array to determine occurrence and impacts of settlement over time. The information acquired will be used to inform future decisions related to potential solar energy projects on the landfill.

FISCAL IMPACT

Is there a Fiscal Impact? No

ENVIRONMENTAL IMPACT

ENVIRONMENTAL DETERMINATION: The Project is categorically exempt from the California Environmental Quality Act (CEQA) pursuant to Title 14 CCR Section 15301 (Class 1 -- minor alterations of existing facilities), and Section 15304 (Class 4 – minor alteration to public land).

BACKGROUND AND DISCUSSION

The Authority installed a 55 kW solar power array at the American Canyon Sanitary Landfill (ACSL) in late 2017. The purpose of the installation was to: 1) reduce power costs associated with operation of the flare station; and 2) evaluate the impacts of a solar power array on operation and maintenance of the landfill. One of the primary concerns with locating solar systems on landfills is the impact of ongoing settlement of the landfill surface. Differential settlement can affect alignment and efficiency of the panels, and can lead to conflicts with regulatory mandates to maintain grading of the surface of the landfill to prevent ponding and infiltration of rainfall.

The proposed contract would establish a surveying program to routinely monitor elevations at key locations on the solar array to determine occurrence and impacts of settlement over time. The information acquired will be used to inform future decisions related to potential solar energy projects on the landfill.

SUPPORTING DOCUMENTS

None

Executive Director: Approve

Reviewed By: Martha Burdick