



**NAPA-VALLEJO WASTE
MANAGEMENT AUTHORITY**

Agenda Date: 12/10/2015

Agenda Placement: 6F

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: Agreement 2016-05 Kenwood Energy

RECOMMENDATION

AGREEMENT 2016-05 KENWOOD ENERGY

REQUESTED ACTION: Approval and authorization for the Chair to sign Agreement 2016-05 with Kenwood Energy in the amount of \$11,100 effective December 10, 2015 through June 30, 2016, for an engineering evaluation of potential energy production at the American Canyon Sanitary Landfill site.

EXECUTIVE SUMMARY

The Board has expressed interest in reevaluating the potential for energy production at the American Canyon Sanitary Landfill. Staff is proposing a consulting contract with Kenwood Energy that would explore the following alternatives:

- 1) Using solar panels or the onsite landfill gas to offset some or all of the energy required to operate the blowers and air compressors at the site.
- 2) Using the onsite 2 MW PG&E intertie (transformer and associated infrastructure) to enable a 2 MW commercial solar pilot project on the surface of the landfill.
- 3) Long term leasing of additional acreage for a larger commercial solar power project.

Kenwood Energy has previous experience on Napa County projects and is well qualified to conduct this work.

FISCAL IMPACT

Is there a Fiscal Impact? No

ENVIRONMENTAL IMPACT

ENVIRONMENTAL DETERMINATION: The proposed action is not a project as defined by 14 California Code of Regulations 15378 (State CEQA Guidelines) and therefore CEQA is not applicable.

BACKGROUND AND DISCUSSION

In 2011, the Authority entered into a lease agreement with a private developer for development of a commercial solar power project at the American Canyon Sanitary Landfill (ACSL). The project would have provided \$2.5 million in lease revenue over the 20 year life of the project. Unfortunately, the developer was unable to live up to the terms of the agreement and produce a working project, so the lease was canceled. Subsequent informal discussions with potential solar developers have led staff to believe that current economics of solar power production would result in significantly lower lease payments to the Authority if a similar project were constructed today. However, given the ongoing energy costs related to the operation of the gas collection system, and the onsite availability of landfill gas, evaluation of smaller projects may be advantageous to the Authority.

Staff is proposing a consulting contract with Kenwood Energy that would explore the following alternatives:

- 1) Using solar panels and/or the onsite landfill gas to offset some or all of the energy required to operate the blowers and air compressors at the site.
- 2) Using the onsite 2 MW PG&E intertie (transformer and associated infrastructure) that remains from the Fortistar generating plant to enable a 2 MW commercial solar "pilot" project on the surface of the landfill.
- 3) Reviewing the potential for long term leasing of additional acreage on the landfill site for a larger commercial solar power project.

Kenwood Energy has previous experience on Napa County projects and is well qualified to conduct this work.

SUPPORTING DOCUMENTS

None

Executive Director: Approve

Reviewed By: Martha Burdick