



**NAPA-VALLEJO WASTE  
MANAGEMENT AUTHORITY**

Agenda Date: 5/4/2017

Agenda Placement: 7A

## Napa-Vallejo Waste Management Authority Board Agenda Letter

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**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 2017-11 Kenwood Energy and Agreement 2017-13 with Northern Pacific Power Systems

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### **RECOMMENDATION**

#### **ACSL FLARE STATION SOLAR ENERGY PROJECT (17811)**

##### **REQUESTED ACTION:**

- A. Approval of and authorization for the Chair to sign the following documents associated with the ACSL Flare Station Solar Energy Project (17811)
1. Agreement 2017-11 with Kenwood Energy in the amount of \$11,400 effective May 4, 2017 through June 30, 2017, with extension provisions, for project management support; and
  2. Agreement 2017-13 with Northern Pacific Power Systems, Inc. in the amount of \$182,414 for construction of a photovoltaic system to provide power to the American Canyon Landfill Flare Station.
- B. **ENVIRONMENTAL DETERMINATION:** As part of the motion for approval of the above-described documents that will allow the Project to proceed, find the Project 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).

### **EXECUTIVE SUMMARY**

In December, 2015 the Board authorized a contract with Kenwood Energy to investigate options for reducing energy costs associated with operation of the American Canyon Sanitary Landfill (ACSL) Flare Station. That investigation indicated that a small solar photovoltaic system could offset a significant portion of the site's energy bill, and might prove to be a cost-effective investment. In December, 2016 the Authority issued a Request for Proposals in order to

obtain real world costs and potentially contract for installation of a solar energy system.

Proposals were received on February 23, 2017 from three solar energy contractors. Analysis of those proposals by Kenwood Energy indicated that the solar system proposed by Northern Pacific Power, Inc. (NPP) could offset up to 82.5 percent of the site's electricity costs, producing a Net Present Value (NPV) to the Authority of \$370,000. Proposals from the other contractors yielded significantly lower NPV values of \$325,000 and \$208,000.

NPP also had the lowest capital cost at \$182,414, versus costs of \$261,890 and \$191,890 for the other two proposals.

Under the proposed contract with NPP, a 55Kw skid-mounted solar array would be placed on the landfill. The system would be tied into the existing on site electrical equipment and PG&E (MCE) would continue to provide any electricity not provided by the solar array. The panels would be placed on the west side of the landfill as previously requested by the City of American Canyon.

The proposed contract with Kenwood Energy would provide technical services required during construction.

It appears that installation of the proposed solar system will provide significant benefits to the Authority, and approval of both contracts is recommended.

#### **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**

In December, 2015 the Board authorized a contract with Kenwood Energy to investigate options for reducing energy costs associated with operation of the American Canyon Sanitary Landfill (ACSL) Flare Station. That investigation indicated that a small solar photovoltaic system could offset a significant portion of the site's energy bill, and might prove to be a cost-effective investment. In December, 2016 the Authority issued a Request for Proposals in order to obtain real world costs and potentially contract for installation of a solar energy system.

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It appears that installation of the proposed solar system will provide significant benefits to the Authority, and approval of both contracts is recommended.

Pursuant to the CEQA Guidelines, sections 15300 et seq., the proposed project would be considered Categorically Exempt. The project includes the installation of a solar array on top of an existing public facility, which consists of previously disturbed areas. According to the County's resource maps, the proposed project is not anticipated to impact any known environmentally sensitive area. The proposed improvements would be considered Categorically Exempt from CEQA pursuant to Title 14 CCR Section 15301 (Class 1-Existing Facilities), which provides for the minor alteration of existing public structures or facilities, mechanical equipment, involving negligible or no expansion of use beyond those existing at the time the County made its determination, and Section 15304 (Class 4 – Minor Alteration to Land), which provides for minor public or private alterations in the condition of land, water, and/or vegetation which do not involve removal of healthy, mature, scenic trees.

#### **SUPPORTING DOCUMENTS**

A . Notice of Exemption

Executive Director: Approve  
Reviewed By: Martha Burdick