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NEVADA COUNTY BOARD OF SUPERVISORS

Board Agenda Memo

MEETING DATE: September 25, 2018

TO: Board of Supervisors

FROM: Steve Monaghan – IGS-Facilities Management

SUBJECT: Resolution approving and authorizing the Chair of the Board to execute Amendment No. 1 to Agreement 3 entitled “Solar System Performance Guarantee” (Res. 16-180) between the County of Nevada and SunPower Corporation, Systems

RECOMMENDATION: Adopt the Resolution

FUNDING: There is no funding impact from this Amendment.

BACKGROUND: Nevada County entered into Agreement 2 “Solar Installation Agreement” on April 26, 2016 through Resolution 16-177 with SunPower Corporation, Systems to engineer, procure, and construct five solar energy generation projects. Resolution 16-180, approved and authorized Agreement 3 with SunPower Corporation, Systems for a Solar System Performance Guarantee that provides for SunPower to compensate the County if the actual energy output of the solar generation facilities is less than 90% of the expected energy output, adjusted for atypical meteorological conditions.

Two of the five systems required changes in the original scope of work that will affect the energy output projected in Agreement 3. The Lake of the Pines Wastewater Treatment Plant located at 10984 Riata Way in Auburn and the Carl F. Bryan II Juvenile Hall facility located at 15434 Highway 49, Nevada City, required an equipment change.

Two constraints ruled out the viability of the originally proposed tracker system at the Lake of the Pines Wastewater Treatment Plant. Newly delineated wetlands and required setbacks as well as issues with the adjacent parcel boundary reduced the available footprint initially anticipated. The fixed system will provide an estimated 19% less kWh than the originally proposed tracking system.

The Carl F. Bryan II Juvenile Hall, required higher wattage modules as the degree of shading was more than originally projected after the County completed its diseased tree removal and SunPower absorbed the additional cost. This facility is estimated to come in at 5% less kWh due to the shade issues.

This Resolution will amend Agreement 3 to reflect the change in equipment for these two sites and the decrease in anticipated energy savings.

Item Initiated by: Justin Drinkwater

Approved by: Steve Monaghan