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**NEVADA COUNTY BOARD OF SUPERVISORS**

**Board Agenda Memo**

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**MEETING DATE:** May 9, 2023

**TO:** Board of Supervisors

**FROM:** Steve Monaghan, IGS Agency Director

**SUBJECT:** Resolution approving the bid construction documents and specifications for the Nevada County Generator Installations at Wayne Brown Correctional Facility, Crown Point and Brighton Greens, authorizing the Board Chair to sign the documents and directing the Purchasing Agent to solicit bids (Facilities Management)

**RECOMMENDATION:** Adopt the Resolution

**FUNDING:** This project will be paid out of the Fiscal Year 2022-23 Capital Facilities budget and funded partially through PG&E Settlement funds received in 2019 with the remaining funded through the Capital Facilities Assignment. The engineer's estimate is \$980,000 and a budget amendment will be included during the contract award process.

**BACKGROUND:** The two existing standby generators at the Wayne Brown Correctional Facility (WBCF) provide approximately 40% of the electrical power required for the building during a power outage. Crown Point has a small generator that provides backup power to the server room and Brighton Greens Facilities has no backup emergency generator. This results in limited system functions at WBCF, department closures, and sending employees home at Brighton Greens and Crown Point directly affecting productivity of County services. The solar array serving the WBCF goes offline during a power outage. The battery backup standby at the WBCF location could provide approximately six to eight hours of storage but would not be a suitable alternative power source beyond 8 hours. These new standby generators will provide reliable electrical power during a power outage for an indefinite amount of time. The main existing standby generator at WBCF provides energy to various circuits that help keep minimal functions on-line during power outages. The second standby generator at WBCF services the server rack behind the old Dispatch.

The installation of the new generators will service these areas along with the remainder of the building at WBCF and will provide backup power for 100% of the building at Crown Point and Brighton Green locations. The new Kohler generators are due on site in December 2023. Two of the new Automatic Transfer Switches (ATS) have already arrived and the Crown Point ATS is scheduled to ship May 18, 2023. Installation of underground utilities and concrete pads are planned to begin as soon as a contractor is awarded the project and will be ready for the generators when they arrive.

**Item Initiated by:** Tim Horner, Facilities Project Manager

**Approved by:** Steve Monaghan, IGS Agency Director