



**Board of Directors  
November 6, 2019**

**SUBJECT:**

Approve and Authorize an Amendment with Kleinfelder, (\$85,132) for the Phase 3 Solar Renewable Energy Initiative Site Preparation Construction, and Additional Appropriation in the Amount of \$85,132

**BACKGROUND:**

In accordance with the District's strategic initiative for energy independence, the District has advanced expanded solar generation facilities at five locations as shown on Exhibit A. These include expansion of solar generation at the Regional Water Reclamation Facilities (Moreno Valley, Perris Valley, San Jacinto Valley and Sun City/Desalter Complex); as well as one 5-megawatt project under Southern California Edison's Renewable Energy Self-Generation Bill Credit Transfer tariff, that would be located on District property adjacent to the San Jacinto Valley Regional Water Reclamation Facility.

Combined, the installations provide the District with approximately 16-megawatts of additional solar power generation, with anticipated net savings of approximately \$40 million through the 25-year Power Purchase Agreement term.

On April 3, 2019, the Board approved and authorized an award of construction contract to Sukut Construction for the civil/site work (elevated solar equipment pads) under Specification 1345 in the amount of \$7,378,000, and appropriated \$9,026,900 to fund project expenses. The authorization included an award of a professional services agreement to Kleinfelder, of Riverside, California, for geotechnical support, observation, and testing services during construction in an amount not-to-exceed \$162,700. Kleinfelder is the geotechnical firm of record for the design phase of the civil/site improvements.

At this time, the District has encountered construction modifications due to changed site conditions and delays in construction schedule associated with an extended wet weather season. The District was unable to dewater existing recycled water storage ponds for construction of solar pads per the original schedule. As a result, additional time and effort is required to complete the work.

In order to maintain continued geotechnical support services, staff requested and negotiated contract amendment (Exhibit B) with Kleinfelder for additional effort associated with the civil/site geotechnical support work.

Staff performed a comprehensive evaluation of Kleinfelder's scope of work and negotiated a fee in the amount of \$85,132 that is commensurate with the proposed level of effort. Thus, the

project cost estimate has been updated to fund project related expenses bringing the total appropriation to \$10,734,732 (Exhibit C).

**FINANCIAL IMPACT:**

The subject Project efforts will be funded through the District's Operations Research/Development Fund- Special Projects, subject to partial reimbursement as part of the Power Purchase Agreements via the Cost Reimbursement Agreement up to \$10,094,001.

**STRATEGIC PLANNING GOAL/OBJECTIVE:**

Energy Independence: Plan and cost-effectively implement local renewable energy projects with sufficient generation to meet the District's entire net energy demands while minimizing the District's carbon footprint.

**ENVIRONMENTAL IMPACT:**

This project is subject to the California Environmental Quality Act (CEQA) and an Environmental Impact Report (EIR) was prepared in conformance with California Code of Regulations Title 14, Chapter 3, Article 7, Section 15080, *et seq.* The Final EIR was certified and adopted by the Board on February 20, 2019.

**RECOMMENDATION:**

Approve and authorize the following:

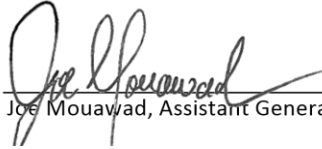
1. Execution by the General Manager, or his designee, of the District's standard form of agreement amendment with Kleinfelder for geotechnical testing and observation services during construction in the amount of \$85,132;
2. Administrative award and execution by the General Manager, or his designee, of the District's standard form of contracts and agreements for implementation of the Project; and
3. Additional appropriation in the amount of \$85,132 which brings the total estimated initial Project implementation cost to \$10,734,732.

**SUBMITTED BY:**



Paul D. Jones II, P.E., General Manager

10/18/2019



Joe Mouawad, Assistant General Manager

10/8/2019

**Attachment(s):**

*Exhibit A - Location Map*

*Exhibit B - Kleinfelder Proposal*

*Exhibit C - Cost Estimate*

**History:**

10/22/19 Board Operations and Engineering Committee RECOMMENDED FOR  
APPROVAL

11/06/19 Board Meeting

Staff Contact: Greg Kowalski