



**Board of Directors  
April 3, 2019**

**SUBJECT:**

Approve and Authorize an Amendment to the Agreement with Michael Baker, International (\$19,905) for Preliminary and Final Design of Redlands and Cottonwood Booster Electrical Replacement Project, and Additional Appropriation of \$37,300

**BACKGROUND:**

The Redlands and Cottonwood Booster Station is located along Redlands Boulevard, north of Cottonwood Avenue in the city of Moreno Valley (Exhibit A). The facility was constructed in 1993 and utilizes three electric motor-driven pumps and one engine-driven pump to supply potable water to the 1900R pressure zone.

In July 2018, the District approved an agreement with Michael Baker, International (MBI), for preliminary and final design to replace the existing electrical equipment, including the three variable frequency drives (VFDs), and coordination with Southern California Edison with regards to the proposed upgrades. During design review, it was determined that replacement of the existing gas engine driver with an electric motor and VFD was necessary.

Staff requested and received a proposal from MBI for removal of the gas engine and replacement with an electric motor, in the amount of \$19,905 (Exhibit B). Staff has negotiated the scope and fee and determined that it is commensurate with the level of effort necessary.

Staff requests additional appropriation in the amount of \$37,300 to fund the design effort as detailed in Exhibit C. The work is estimated to be completed 6 months from issuing a notice to proceed.

**FINANCIAL IMPACT:**

This project will be financed from the Service Area 41 (Moreno Valley/Perris/Menifee) Replacement/System Betterment Fund.

**STRATEGIC PLANNING GOAL/OBJECTIVE:**

Maintenance: Implement and manage preventative and predictive maintenance programs that enable a highly reliable operation of the District's facilities and extend the useful life of assets.

**ENVIRONMENTAL IMPACT:**

This project is exempt from the California Environmental Quality Act (CEQA) as authorized under the California Code of Regulations, Title 14, Chapter 3, Section 15301, which provides exemption for

existing facilities

**RECOMMENDATION:**

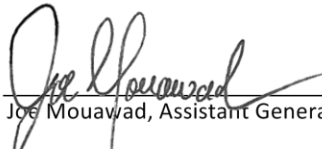
Approve and authorize execution by the General Manager, or his designee, of an amendment to the engineering services agreement with Michael Baker, International, of Santa Ana, California, for preliminary and final design of the Redlands and Cottonwood Booster Electrical Replacement Project in the additional amount of \$19,905, bringing the total agreement amount to \$105,109; and additional appropriation of \$37,300 to fund project costs through Bid/Award.

**SUBMITTED BY:**



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

3/25/2019



Joe Mouawad, Assistant General Manager

3/21/2019

**Attachment(s):**

- Exhibit A - Location Map*
- Exhibit B - Proposal*
- Exhibit C - Cost Estimate*

History:

03/28/19	Board Operations and Engineering Committee	RECOMMENDED FOR
		APPROVAL
04/03/19	Board Meeting	

Staff Contact: Jeff Allred