

- EVMWD BOARD ACTION
 APPROVED
 APPROVED AS AMENDED
 DENIED
 CONTINUED
-

**MINUTES
ENGINEERING AND OPERATIONS COMMITTEE
Regular Meeting
March 4, 2019**

The Regular Engineering and Operations Committee Meeting was held at 31315 Chaney Street, Lake Elsinore, California.

Director Present:
Jared McBride

Staff Present:
Brian Macy, Assistant General Manager – Eng./Ops.
Terese Quintanar, District Secretary/Administrative Services Supervisor
Jason Dafforn, Director of Engineering and Water Resources
Parag Kalaria, Water Resources Manager
Matthew Bates, Engineering Manager
John Manhard, Facilities Manager
Dennis McBride, Wastewater Operations Manager
Andrea Kraft, Engineering Project Coordinator
Brian Vigil, Field Maintenance Superintendent

CALL TO ORDER

Director McBride called the meeting to order at 3:35 p.m.

PUBLIC COMMENTS

The meeting was opened to public comments and there were none.

1. **Department Employee Recognition Program - Going the Extra Mile Award** – Andrea Kraft announced two selections for the GEM; Javier Hernandez and Gerald Hannah. She explained that nominations are submitted, and managers review and select the winners. Engineering, Water Resources and Operations departments participate in this program. Winners have their name placed on perpetual plaques.
2. **Contract Services Agreement with Hadronex, Inc. for Sewer Analysis Software and Maintenance of Smartcover Units** - EVMWD's Wastewater Collections Division provides services in the form of sanitary line cleaning, wet well maintenance and manhole rehabilitation consisting of maintenance of approximately 401 miles of gravity mains and 16 miles of force main.

The District previously contracted with Smartcover Systems on an annual basis under the General Manager's authority. Their software analysis system allows users to acquire water level and/or flow data below a manhole cover or lift station lid with open channel flows using ultrasonic technology. They have provided EVMWD active site management covering website access, satellite connectivity, data analysis and data storage, as well as technical support. In addition, they have provided unlimited replacement of lithium ion power packs and replacement of ancillary equipment on an as-needed basis. Their extended warranty provides rapid response for all service needs and maintenance.

Staff recently received the attached renewal quotation from Hadronex, Inc. for a one-year contract in the amount of \$42,880. Answering Director McBride, the equipment is software and monitoring. The hardware is already there. The fee also covers Hadronex to assist on site if needed. We have utilized this equipment for over five years and the company has a good service record. We have the ability to detect surcharges and blockages, to avoid spills.

Staff plans to present this item at the March 28, 2019 Board meeting to recommend that the Board approve a two-year Contract Services Agreement with Hadronex, Inc. in the amount of \$85,760 plus three one-year optional extensions for a total amount of \$214,440.

3. **Amendment No. 2 to the Professional Services Agreement with Parsons for the Regional Wastewater Reclamation Facility Upgrades & Expansion Design Project** - The Professional Services Agreement for Design Services for the Regional Water Reclamation Facility (RWRF) Upgrades and Expansion was awarded to Parsons Water & Infrastructure Inc. (Parsons) in March 2017. The upgrades and expansion program will occur over two separate and phased construction project packages. The Design Package 1 elements include Reliability and Redundancy Features to upgrade the existing 8.0 mgd plant, including a new secondary clarifier. The Design Package 2 expansion will increase the average daily capacity to 12.0 mgd and includes a new membrane bioreactor, ultraviolet disinfection system, a new maintenance workshop and additional process upgrades to support the increased flow rate. The project design for Design Package 1 will be completed by the first quarter of 2019. The project will then be ready for public bidding to acquire a general contractor for construction.

As the design has progressed, the plans to replace the plant control system have been redirected to upgrade the existing plant control systems. This decision was based on the resources and capability of the current control system supplier, Emerson, and a desire to have all plants on a single

control platform. The Horsethief Canyon Water Reclamation Facility Upgrades Project and Railroad Canyon Water Reclamation Facility Upgrades Project will also feature controls by Emerson. The decision to maintain Emerson is supported by District staff, including IT, Operations, Maintenance, and Engineering. Based on this decision, Parsons will be required to update the Design Package 1 plans and specifications to incorporate information provided by Emerson for the new controls. Parsons has requested the amendment to cover additional design services.

Staff plans to present this item at the March 28, 2019 Board of Directors Meeting. After careful review, staff recommends approval of Amendment No. 2 to the Professional Services Agreement with Parsons in the amount of \$194,025. This item, including overhead of \$9,701.00, totals \$203,726.00.

4. **Public Works Contract with Case Pacific Company for the Diamond Drive Subsurface Repairs Project** – Mr. Bates reported that in December 2013, the District performed an emergency repair on a manhole (Manhole 3004) located at the intersection of Diamond Drive and Casino Drive in the City of Lake Elsinore. During the repair, sections of the manhole collapsed and sediment surrounding the manhole slumped into the sewer line. In order to stabilize the roadway, the District performed emergency soil stabilization by injecting grout in the area.

The District continued to monitor this area to evaluate the potential for settlement over the next several years. In 2017, staff recommended moving forward with additional soil stabilization for the affected area. This resulted in a need for a design engineer to evaluate and design the repairs.

On April 30, 2018, a Professional Services Agreement for Geotechnical Services with Leighton Consulting, Inc. was awarded under the General Manager authority. Design was completed in June 2018.

The Project was originally advertised for bid in July 2018 through PlanetBids; however, the single bid received on August 2, 2018 was significantly higher than the engineer's estimate. Staff rejected all bids and elected to redesign.

The Project was re-advertised for bid on December 19, 2018 through PlanetBids. On January 31, 2019, 4 bids were received by the deadline.

Staff conducted a thorough analysis and found the two lowest bidders to be non-responsive: one failed to submit the required documentation, the other took exception to several contractual obligations including insurance requirements. Staff performed a detailed review of the Case Pacific Company's bid documents and checked references. Based on staff's

analysis, Case Pacific Company is determined to be the lowest, responsive, and responsible bidder.

We have a manhole replacement program under the CIP budget to identify and stay ahead of these types of emergencies.

For water and sewer, we put money into a replacement fund each year and have funds for emergencies such as this, although not specifically budgeted for. There is a long-term program to set aside up to 100% of depreciation. We are not yet there, however put in about \$300,000-\$400,000 per year. These funds are used when needed, but staff does not draw the fund down if not needed.

Staff plans to present this item at the March 28, 2019 Board of Directors Meeting to recommend award of a Public Works Contract with Case Pacific Company in the amount of \$193,276.38 and the filing of a Notice of Exemption with the Riverside County Clerk's Office in the amount of \$50. This item, including overhead of \$9,701.00, consulting management (5 hours) of \$700.00, as well as staff time (59 hours) & fringe benefits of \$9,286.00, totals \$213,013.38.

5. Engineering Department Performance Measures and Project Updates

Mr. Kalaria reported on program management and IRP Updates. We have four projects in the CIP for IRP. There are 45 in planning and design and 7 in constructions. Program Management is being handled by two consultants, IEC and Carollo. The Palomar Well consists of 4 stages. Zone testing is underway and the third phase, equipping, is the next step. In June, staff expects to send the Invitation for Bid (IFB) in June. Environmental documentation is underway for the Lee Lake Wells. Staff expects moving forward with design review shortly. The target for the well production is to bring us down from 70% imported to 60% imported, not considering growth. A Warm Springs Basin study was completed in February. Regional Water Reclamation Facility Expansion contracts are being completed and the design review will be next. The Horsethief Canyon Water Reclamation Facility Expansion and Upgrades project IFB was issued in January with bids due this week. The Ag pipeline for transmission to Lake Elsinore is going well. All three easements were approved and we expect to be completed by the end of May. Director McBride suggested some community outreach to inform the public that we are working with the City in a joint effort to do our best for the community. Staff answered that we have done this for larger projects, such as the completion of the Flagler Wells and we consistently work with the City on a variety of projects.

Mr. Bates reported on the Diamond and Regional Force Main Project, Skymeadows Booster Pump Station, Meadowbrook Reservoir Improvements, Railroad Canyon WRF project, Railroad Canyon WRF

SCADA Installation Project, A-2 Lift Station Rehabilitation, and the one CIP change order. The change order was related to the County Water Company Final Water Systems Improvements project.

Regarding development, there are currently nine projects in various steps of plan checking process. There were three easements or Water Rights Grant Deeds (WRGD) processed. The Administrative Code requires the District acquire the water rights to parcels which we will be serving water to. Once we are serving the customer and own the water rights, that customer cannot drill a well, and draw from the basin we are trying to manage. The WRGDs are only obtained from large developers, not individual home builders. With a new inspector on board, internal staff provides 90% of inspection services, with a consultant providing the remaining 10% at this time. IEC and Webb & Associates are our consultants; both performing well. Meter installations have seen a decrease, but several large projects are in design and staff expects these to increase. Development Services staff are responding to Will Serve Applications and Water & Sewer Availability requests within 2 days.

6. **Operations Department Performance Measures** – This item was postponed.
7. **Consider Items for Board Review** – All items will be presented to the Board on March 14th or March 28th for consideration.
8. **Discuss Future Agenda Items** – Director McBride asked for discussion of Canyon Lake Treatment Plant Improvements in order to maximize that facility. A five-year plan will be discussed during the upcoming budget planning cycle and return on investment will be provided.
9. **Other** – Director McBride also mentioned the wells by the levee. The Island Wells are not operating currently, and we have an agreement with Summerly Development, who was using the pipeline. They are in the process of cleaning that up, as they were pumping unfiltered groundwater. Soon, we will be able to operate one of the wells. Two are not operable. The Island Wells were built in the 1950's, and we installed new casings in 2005. Once a well has been determined inoperable, we decommission it, and properly abandon it. These specific wells have not performed as expected from early on. Staff explained some of the difficulties with groundwater extraction and hurdles experienced in the basins.
10. **Adjournment at 4:53 p.m.**