



EAST BAY DISCHARGERS AUTHORITY
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A Joint Powers Public Agency

ITEM NO. 15

OPERATIONS & MAINTENANCE COMMITTEE AGENDA

Monday, July 15, 2019

10:00 A.M.

**East Bay Dischargers Authority
2651 Grant Avenue, San Lorenzo, CA 94580**

Committee Members: Walters (Chair); Lathi

Walters OM1. Call to Order

OM2. Roll Call

OM3. Public Forum

OM4. EBDA Performance

(The Committee will be updated on EBDA's NPDES report.)

OM5. Status Report

(The Committee will be updated on EBDA's O&M activities.)

OM6. Resolution Authorizing the General Manager to Issue Amendment No. 1 to the Professional Services Agreement with Currie Engineers, Inc. for Project Management and Construction Management Services In the Amount of \$25,000 for a Total Not to Exceed the Amount of \$85,000

(The Committee will consider a resolution authorizing the General Manager to issue Amendment No. 1 to the Agreement with Currie Engineers in the amount of \$25,000.)

OM7. Adjournment

(In compliance with the Americans with Disabilities Act of 1990, if you need special assistance to participate in an Authority meeting, or you need a copy of the agenda, or the agenda packet, in an appropriate alternative format, please contact the Administrative Assistant at (510) 278-5910 or kyambao@ebda.org. Notification of at least 48 hours prior to the meeting or time when services are needed will assist the Authority staff in assuring that reasonable arrangements can be made to provide accessibility to the meeting or service.)

In compliance with SB 343, related writings of open session items are available for public inspection at East Bay Dischargers Authority, 2651 Grant Avenue, San Lorenzo, CA 94580. For your convenience, agenda items are also posted on the East Bay Dischargers Authority website located at <http://www.ebda.org>.

(Any member of the public may address the Committee at the commencement of the meeting on any matter within the jurisdiction of the Committee. This should not relate to any item on the agenda. People addressing the Committee should limit their presentation to three minutes. Non-English speakers using a translator will have a time limit of six minutes. Any member of the public desiring to provide comments to the Committee on any agenda item should do so at the time the item is considered. Oral comments should be limited to three minutes per individual or ten minutes for an organization. Speaker's cards will be available and are to be completed prior to speaking.)

**The next O&M Committee meeting is scheduled on
Tuesday, August 13, 2019 at 9:00 a.m.**

ITEM NO. OM4 EBDA PERFORMANCE

The detailed package is included in the Regulatory Affairs Committee agenda. The NPDES report shows that EBDA continues to operate within the normal compliance range.

Please see the Regulatory Affairs Committee agenda, Item No. RA4 for the May permit compliance data.

ITEM NO. OM5 STATUS REPORT

Alvarado Effluent Pump Station (AEPS)

Pump Cavitation Study & Station Optimization

Carollo Engineers, Inc. (Carollo) requested additional pump stations control logic information from USD staff. On July 1, 2019, the additional information was provided to Carollo. Carollo is in the process of reviewing the information and the Draft Cavitation Study Project Memorandum is expected shortly.

Hayward Effluent Pump Station (HEPS)

Motor Control Center (MCC) Replacement Project

In June, Central Sierra Electric (Central Sierra), GSE Construction, Inc. (GSE)'s electrical subcontractor, continued pulling and labeling electrical wiring at the new MCC. The wires will be connected to the existing pump station equipment and each circuit breaker in the new MCC after PG&E completes the new service installation.

GSE and Central Sierra completed several corrective items required to clear the site for PG&E service installation based on feedback from an initial PG&E inspection. Corrective items included replacing concrete bollard caps with steel caps, adding reflective tape on bollards, installing building signage, site grading around the MCC building, and relocating a ground wire from the PG&E meter section in the MCC. On June 27, 2019, PG&E visited the site for a final pre-construction inspection and approved the site for construction.

PG&E's new electrical service installation is scheduled for the week of July 29, 2019. This work will require HEPS to be shut down for a maximum of 48 hours. During the shutdown, flow will be diverted to Hayward WPCF ponds.

Agenda Explanation
East Bay Dischargers Authority
O&M Agenda
July 15, 2019

The standby generator will provide the pump station with a backup power source after the new MCC is energized. The existing MCC will be temporarily powered through the new MCC to minimize interruption of service to the pump station. Field testing of the new automatic transfer switch and functional testing of the existing standby power system will be completed before the pump station is returned to normal operation.

Staff is recommending approval of a resolution authorizing the General Manager to issue Amendment No. 1 to the Agreement with Currie Engineers for project management and construction management services for the HEPS MCC Replacement Project and other upcoming EBDA projects. See Item No. OM6.



New MCC Project Site Grading



Transformer Pad Bollards - Before

Transformer Pad Bollards - After

Oro Loma Effluent Pump Station (OLEPS)

No. 1 & 4 Effluent Pump Discharge Valve Actuator Replacement Project

On June 13, 2019, EBDA received two new Programmable Logic Controller (PLC) output cards necessary to complete the discharge valve actuator replacement project. The old valve actuators were either 100% open or 100% closed. The new valve actuators have the ability to modulate and stop at any position. This ability will facilitate flexibility that can be used to optimize pump station operations in the future. EBDA staff is in the process of coordinating the installation of the new discharge valve actuators and gear drives for the No. 1 & 4 Effluent Pumps. The installation will be scheduled during the normal dry weather wet well preventative maintenance activities.

San Leandro Effluent Pump Station (SLEPS)

Emergency Generator Starter Failure

On July 1, 2019, the CSL operations staff was completing a preventive maintenance work order and conducting a routine test run of the SLEPS emergency generator. During the test, the generator failed to start. A Peterson Power service technician inspected the generator and recommended replacing the starter. The starter was ordered, and the new starter was received and installed on July 5, 2019. New batteries were also installed, and the generator is fully functional. During the time the emergency generator was out of service, a CSL portable generator was staged at SLEPS. In the event of a power failure, CSL staff could divert flow to the City's Equalization Basin and call in staff to connect the portable generator to the SLEPS MCC.

Skywest Pump Station

Recycled Water Production

During the month of June 2019, the Skywest Recycled Water System produced 9.6 million gallons of recycled water.

Marina Dechlorination Facility (MDF)

No change; all equipment is operational.

Force Main

No change; all equipment is operational.

Operations Center

Cyber Security

In April 2019, consultants from Woodard & Curran completed an analysis of the EBDA and OLSD networks. The consultants recommended certain items for immediate implementation, which EBDA completed. This included installation of three new network cables between EBDA and OLSD, which will allow for an improved separation of EBDA business and SCADA networks and provide OLSD with backup wireless internet access. Woodard & Curran provided the associated programming and worked together with Calcon (EBDA's SCADA consultant) and Cayuga Information Systems (EBDA's business IT consultant). This new EBDA network was implemented on May 6, 2019. Woodard & Curran's completed draft report was delivered on June 7, 2019. Staff is currently reviewing the recommendations and will provide an update next month.

SCADA System Upgrade Project

Due to network security issues, EBDA is proceeding cautiously with the implementation of the new SCADA system.

Miscellaneous Items

Underground Service Alerts

For the 12 month period from May 2018 to April 2019, EBDA received an average of 91 USA tickets per month. In June 2019, EBDA received just thirty-two (32) USA tickets, three of which required field verification. The significant reduction in the number of tickets received is the result of the project staff recently completed to revise the geographic basis on which EBDA receives USA tickets. As discussed last month, the project and resulting reduction in tickets saves staff time and reduces EBDA's bill from the USA North 811 (USAN), which runs the USA program.

Special Projects

Transport System Seismic Reliability Plan

Brown & Caldwell (BC) is currently working to complete the Transport System Seismic Reliability Plan, and results are expected in the next few months. BC received quotes and is working on refining costs for the recommended transport system seals and spare clamps.

EBDA Facilities Electrical Evaluation

EBDA received the Electrical Evaluation draft report from Beecher Engineering, Inc., EBDA's contract electrical engineering firm. EBDA will provide comments to Mr. Beecher to be incorporated in the final report.

Disaster Cost Recovery Planning Services

EBDA staff is continuing to work with Kermani Consulting Group (KCG) on disaster cost recovery planning. KCG delivered a first draft of EBDA's Disaster Cost Recovery Plan for review and discussion on June 20, 2019. Staff is currently reviewing and will provide feedback to KCG. Following refinement of the Plan, the project will conclude with an overview session for member agency staff in the next several months.

Asset Management Plan (AMP) Update

Staff has finalized a draft of the updated Asset Management Plan, which was shared at the May 15, 2019 MAC meeting. The AMP will form the basis of discussions on future RRF annual contributions and appropriate reserve levels. EBDA staff is currently working with USD staff to reach alignment on assumptions for AEPS. A plan for AEPS and associated funding per the JPA will be jointly presented to the MAC, likely later this month.

Advanced Quantitative Precipitation Information (AQPI) Project

As discussed previously, AQPI is a Bay Area regional project funded by the California Department of Water Resources (DWR) aimed at improving prediction of precipitation, streamflow, and storm surge through data gathering and model improvement. EBDA is part of a consortium of East Bay agencies working to install a permanent radar in time for the 2019/20 wet season. The goal is for each of the participating agencies to approve a Memorandum of Understanding (MOU) this summer with Sonoma Water as the contracting agency. The MOU would commit to funding the installation through the end of the grant in December 2021. EBDA staff is waiting for all agencies to complete legal review on the MOU document, and then will bring the MOU to the Commission for consideration. Based on the most recent negotiation, the EBDA contribution to this two-year project is \$29,000, which is included in EBDA's FY2019/20 budget.

It is expected that a broader regional MOU or JPA will be developed for post-grant funding beyond 2021. EBDA staff is representing the East Bay agencies in a regional committee that is beginning to discuss the long-term funding and governance plan.

EAST BAY DISCHARGERS AUTHORITY
MONTHLY OPERATION AND MAINTENANCE REPORT
Jun-2019

1. Summary sheets from the NPDES Report submitted to the RWQCB and EPA are attached for the month of: May-19
2. Number of violations reported in the above NPDES Report: **None to Report**
3. The violations included the following: **None Noted**
4. Preventive Maintenance for the month of: May-19

LOCATION	NO. TASKS SCHEDULED	NO. TASKS COMPLETED	# TASKS UNFINISHED	PERCENT COMPLETED
San Leandro Pump Station	16	16	0	100%
Oro Loma Pump Station	94	94	0	100%
Sky West Pump Station	12	12	0	100%
Hayward Pump Station	10	10	0	100%
Alvarado Pump Station	4	4	0	100%
Marina Dechlorination Facility	35	35	0	100%
EBDA Responsibility	92	92	0	100%
Force Main - USD	4	4	0	100%
Force Main - San Leandro	100	100	0	100%
Total	367	367	0	100%

5. Unscheduled Maintenance for the month of: Jun-19

LOCATION	NO. OF WORK ORDERS
San Leandro Pump Station	2
Oro Loma Pump Station	1
Hayward Pump Station	0
Alvarado Pump Station	1
Marina Dechlorination Facility	1
Skywest Pump Station	0
Force Main	1

6. Other Items of significance: Jun-19

- a. FM: Transport System Seismic Reliability Plan
- b. AEPS: Pump Cavitation Study & Station Optimization
- c. OLEPS: Effluent Pumps No. 1 & 4 Discharge Valve Actuators & Gear Drives
- d. MDF: SWRCB Inspection
- e. HEPS: MCC Replacement Project
- f. SLEPS: No Items

ITEM NO. OM6 RESOLUTION AUTHORIZING THE GENERAL MANAGER TO ISSUE AMENDMENT NO. 1 TO THE PROFESSIONAL SERVICES AGREEMENT WITH CURRIE ENGINEERS, INC. FOR PROJECT MANAGEMENT AND CONSTRUCTION MANAGEMENT SERVICES IN THE AMOUNT OF \$25,000 FOR A TOTAL NOT TO EXCEED THE AMOUNT OF \$85,000

Recommendation

Adopt a resolution authorizing the General Manager to issue Amendment No. 1 to the Agreement with Currie Engineers for project management and construction management services in an amount not to exceed \$25,000.

Background

Following an RFP process, the Commission authorized the General Manager to enter into an agreement with Currie Engineers, Inc. on September 20, 2018 for project management and construction management services. The scope of services includes professional engineering, project development, bidding assistance, and engineering services during construction, all on an as-needed basis.

The agreement was issued for the 2018/19 fiscal year with the option to extend. Staff is recommending extension of the agreement for two additional fiscal years, through June 30, 2021. Evan Currie of Currie Engineers has been performing the work very successfully for the past year. His services have primarily been in project and construction management of the HEPS MCC project. Evan's efforts have kept the project moving and provided workload relief for the Operations and Maintenance Manager.

Staff is recommending that Currie Engineers be retained for two more years to complete the HEPS MCC project and then assist with project and construction management for other planned Renewal and Replacement Fund (RRF) Projects. The agreement will be funded out of the RRF project authorizations.

The agreement is structured on a time and materials basis up to a maximum agreement value. Therefore, the Authority is only billed for work actually completed. Of the \$60,000 in the original project, approximately \$25,000 has been expended to date. Staff is recommending amending the agreement ceiling to \$85,000, leaving approximately \$60,000 for services over the next two fiscal years. Staff is also recommending approval of increases to Evan's billing rate, from \$125 per hour in the original FY 2018/19 to \$129 per hour in FY 2019/20 and \$133 per hour in FY 2020/21. With the increase, Currie Engineers' services remain very cost-effective.

EXHIBIT B: COMPENSATION SCHEDULE

PROPOSED COMPENSATION

Table 1 - The following hourly rates are proposed:

Name	Role	Hourly Rate	Effective Dates
Evan Currie	Project / Construction Manager	\$129.00	FY2019-2020
Evan Currie	Project / Construction Manager	\$133.00	FY2020-2021

Notes:

1. The hourly rate for FY2019-2020 is effective starting July 1, 2019 and expires on June 30, 2020. The hourly rate for FY2020-2021 is effective starting July 1, 2020 and expires on June 30, 2021.
2. The hourly rates above include expenses such as standard software, internal printing and photocopying, and travel to and from the jobsite.
3. No subconsultants are currently being proposed to provide services.

Other Expenses

Expenses not included in the hourly rates listed above will be added at cost plus ten percent (10%). Other expenses include items such as: special and proprietary software; equipment rental; third party printing; travel and subsistence for attendance at factory testing, meetings, etc. located outside of the immediate project area; subconsultants; and special fees related to the Project.

EAST BAY DISCHARGERS COMMISSION
EAST BAY DISCHARGERS AUTHORITY
ALAMEDA COUNTY, CALIFORNIA

RESOLUTION NO. 19-31

INTRODUCED BY _____

**RESOLUTION AUTHORIZING THE GENERAL MANAGER TO ISSUE AMENDMENT NO. 1
TO THE PROFESSIONAL SERVICES AGREEMENT WITH CURRIE ENGINEERS, INC. FOR
PROJECT MANAGEMENT AND CONSTRUCTION MANAGEMENT SERVICES IN THE
AMOUNT OF \$25,000 FOR A TOTAL NOT TO EXCEED THE AMOUNT OF \$85,000**

WHEREAS, the East Bay Dischargers Authority requires the services of a qualified firm for project management and construction management (PM/CM) services; and

WHEREAS, the East Bay Dischargers Authority entered into an agreement on September 20, 2018 for an amount not to exceed \$60,000 with Currie Engineers for PM/CM services; and

WHEREAS, it has been determined by staff that Currie Engineers has been successfully performing the PM/CM duties; and

WHEREAS, the Operation & Maintenance Committee has recommended acceptance of Amendment No. 1 to the agreement with Currie Engineers for PM/CM services.

NOW, THEREFORE BE IT RESOLVED, the Commission of the East Bay Dischargers Authority hereby accepts Amendment No. 1 with Currie Engineers.

BE IT FURTHER RESOLVED, the General Manager is hereby authorized to issue Amendment No. 1 to the Agreement with Currie Engineers on behalf of the Authority in the amount not to exceed \$25,000 for the period of July 18, 2019 through June 30, 2021.

SAN LORENZO, CALIFORNIA, JULY 18, 2019, ADOPTED BY THE FOLLOWING VOTE:

AYES:
NOES:
ABSENT:
ABSTAIN:

CHAIR
EAST BAY DISCHARGERS COMMISSION

ATTEST: _____
GENERAL MANAGER
EAST BAY DISCHARGERS AUTHORITY
EX OFFICIO SECRETARY