



EAST BAY DISCHARGERS AUTHORITY
2651 Grant Avenue
San Lorenzo, CA 94580-1841
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A Joint Powers Public Agency

Pursuant to the Governor's Executive Order N-25-20 the Operations & Maintenance Meeting scheduled for November 17th at 9:00 a.m. will be telephonic. The dial-in number for the meeting is +1 669 900 6833 with meeting I.D. #: 886 2957 6642. Members of the public are encouraged to dial in to the meeting using the same number. <https://us02web.zoom.us/j/88629576642>

ITEM NO. 16

OPERATIONS & MAINTENANCE COMMITTEE AGENDA

Tuesday, November 17, 2020

9:00 A.M.

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

Committee Members: Cutter (Chair); Johnson

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. Renewal and Replacement Fund Annual Recap FY 2019/2020

(The Committee will review the annual recap of the Authority's Renewal and Replacement Fund for FY 2019/2020 and ongoing work carried over from prior fiscal years.)

OM7. Motion Authorizing the General Manager to Execute a Contract with Graybar Electric Company, Inc. for the OLEPS Main Electrical Switchboard Upgrade in the Amount of \$103,632

(The Committee will consider the motion.)

OM8. Adjournment

(Any member of the public may address the Commission at the commencement of the meeting on any matter within the jurisdiction of the Commission. This should not relate to any item on the agenda. It is the policy of the Authority that each person addressing the Commission 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 Commission on an agenda item should do so at the time the item is considered. It is the policy of the Authority that oral comments be limited to three minutes per individual or ten minutes for an organization. Speaker's cards will be available in the Boardroom and are to be completed prior to speaking.)

(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 the EBDA office at (510) 278-5910 or juanita@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 posted on the East Bay Dischargers Authority website located at <http://www.ebda.org>.)

**The next O&M Committee meeting will be held
Tuesday, December 15, 2020, at 9:00 a.m.**

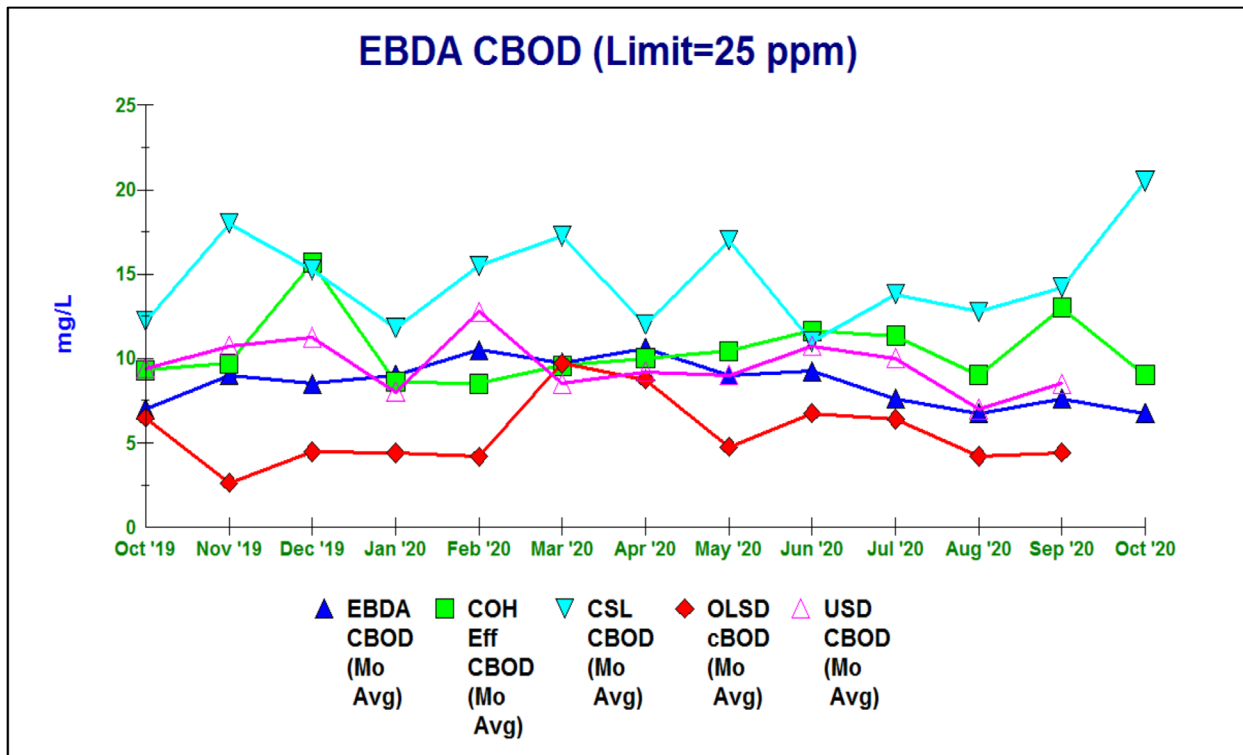
ITEM NO. OM4 EBDA PERFORMANCE

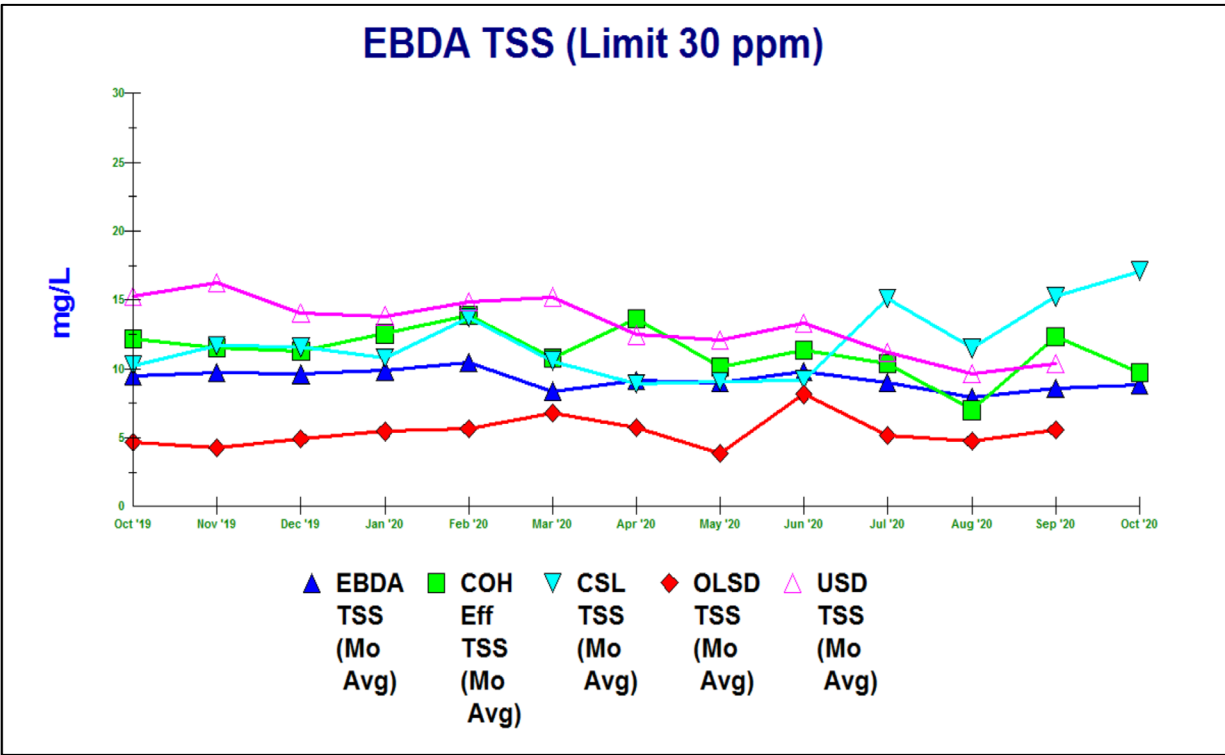
Recommendation

For the Committee’s information only; no action is required.

Permit Compliance Issues

There were no NPDES permit violations in September and preliminary data from October are also free of permit exceedances. Member Agency CBOD and TSS performance are shown below. A table with bacterial indicators is also included. Sodium hypochlorite dosing was increased as the temperatures rose to prevent bacterial outbreaks during the summer months and is now being decreased as we enter cooler weather.





EBDA Bacterial Indicators

Date	FECAL	ENTERO
	MPN/ 100mL	MPN/ 100mL
Limit (90th Percentile)	1100	
Limit (Geomean)	500	240
October 2019 Geomean	35	2
November 2019 Geomean	32	2
December 2019 Geomean	18	< 2
January 2020 Geomean	6	< 2
February 2020 Geomean	5	< 3
March 2020 Geomean	8	< 2
April 2020 Geomean	4	2
May 2020 Geomean	40	2
June 2020 Geomean	28	3
July 2020 Geomean	27	3
August 2020 Geomean	23	3
9/1/2020	23	4
9/2/2020	170	4
9/7/2020	27	2
9/8/2020	540	<= 3
9/9/2020	170	6
9/10/2020		< 2
9/14/2020	138	21
9/15/2020	11	4
9/21/2020	2	2
9/22/2020	11	39
9/28/2020	47	8
9/29/2020	22	4
September 2020 Geomean	41	5
10/5/2020	43	< 2
10/6/2020	13	< 2
10/7/2020	22	6
10/12/2020	43	15
10/13/2020	920	82
10/14/2020	7	10
10/19/2020	4	4
10/20/2020	70	8
10/21/2020	13	6
10/26/2020	101	139
10/27/2020	11	5
October 2020 Geomean	30	9

ITEM NO. OM5 STATUS REPORT

Union Effluent Pump Station (UEPS – Formerly AEPS)

Effluent Pump No. 2 Variable Frequency Drive (VFD)

In October, during their normal rounds, USD operations staff noticed that Effluent Pump No. 2 VFD was running hot. Effluent Pumps No. 2 and No. 6 were recently serviced by Rockwell Automation Field Service (RAFS). RAFS was notified, and on November 6 they replaced the recently installed upgraded VFD cooling fan timer relays and corrected a wiring issue. Effluent Pumps No. 2 and No. 6 are back in service and operating normally, and the repairs were completed under warranty.

Hayward Effluent Pump Station (HEPS)

Motor Control Center (MCC) Replacement Project

This project is substantially complete. EBDA is waiting for a conditional release letter from the contractor. Once the letter is received, EBDA will file the Notice of Completion with the County. After completion is recorded by the county, EBDA will release the retention funds to the contractor within 60 days.

Oro Loma Effluent Pump Station (OLEPS)

Wet Well Hypochlorite (Hypo) System

This project will allow for automatic control of hypo to the OLEPS wet well, reducing the cost of hypo, sodium bisulfite (SBS), and staff time. Calcon Systems, Inc. (Calcon) is in the process of procuring product information for the equipment that will be installed. Prior to purchase, OLSD staff will have an opportunity to review and comment on the selected equipment.

Main Electrical Switchboard Upgrade

Staff is recommending approval of a motion authorizing the General Manager to execute a contract with Graybar Electric Company, Inc. for the OLEPS Main Electrical Switchboard Upgrade in the amount of \$103,632. See Item No. OM7.

Paving Repair/Upgrade

On November 6, 2020, as part of OLSD's Pavement Reconstruction and Rehabilitation Project, the paving at OLEPS was completed. The asphalt behind OLEPS next to the 8,000 gallon above-ground diesel storage tank was replaced. Additional paving was also completed to reduce tripping hazards and match the rest of the plant where the paving is most noticeable.



New Asphalt Behind OLEPS

San Leandro Effluent Pump Station (SLEPS)

No change; all equipment is operational.

Skywest Pump Station

Recycled Water Production

During the month of October 2020, the Skywest Recycled Water System only operated two days and produced 1.1 million gallons of recycled water.

Marina Dechlorination Facility (MDF)

No change; all equipment is operational.

Force Main

Transport System Repair Coupling & Seals

As part of the Amended and Restated Joint Powers Agreement (JPA) negotiations, the Authority agreed to purchase encapsulating couplings and flexible internal seals and sleeves that can be used to repair the force main in the event of a failure. The 48-inch seals and sleeve were given to and are being stored at San Leandro, the 60-inch seals and sleeve are being stored at Hayward, and the 96-inch seals and sleeve are being stored at OLEPS. The last remaining item to complete the Authority's commitment was the 60-inch encapsulating coupling, which was delivered on November 11, 2020. The 60-inch encapsulating coupling will temporarily be stored at OLEPS until a permanent home is identified.



60-Inch Encapsulating Force Main Repair Coupling

Force Main Leak

On November 3, 2020, the San Leandro Force Main Crew reported a small leak on a pipe flange between a force main manway cover and an Air Relief Valve (ARV) isolation valve. A temporary repair was completed that day, and EBDA has scheduled a shutdown on November 13, 2020 to replace the manway cover and flange. EBDA has a spare manway cover and flange in stock. This leak developed at the site of the recent brine project due diligence inspection. It appears that removing the manway cover during the inspection disturbed the flange and over time caused the flange to leak. The leak developed in one of the highest sections of the force main, and the water was less than one foot high in the manhole.

Operations Center

No change; all equipment is operational.

Miscellaneous Items

Underground Service Alerts

EBDA received twelve (12) Underground Service Alert (USA) tickets during the month of October 2020. Four required field verification.

COVID-19 Response

Authority staff is continuing to implement the Pandemic Response Plan, which includes staff working from home and alternating time in the office to ensure social distancing. Signage regarding closure of the office to the public and the Authority's social distancing measures has been posted on the office door. All meetings are being conducted by phone and web conference until further notice.

Staff is also continuing to track research efforts utilizing data on the prevalence of SARS-CoV-2 virus in wastewater influent to identify and anticipate COVID-19 community trends, termed wastewater-based epidemiology. Researchers at UC Berkeley secured foundation funding to develop a pop-up lab that can process 100 samples per day. The lab began operation in late September. They are still working to identify funding for the sample analysis, which they estimate at \$100/sample. A Working Group has been created to inform regional efforts and ensure coordination. The group includes representatives from UC Berkeley, Stanford, county public health offices, and wastewater treatment plants, coordinated by the Bay Area Clean Water Agencies (BACWA). More information on these regional efforts is at <https://www.covid-web.org/>.

EBDA staff has begun meeting with representatives from UC Berkeley, Alameda County Public Health Department (Public Health), and East Bay Municipal Utility District to develop a monitoring strategy for Alameda County. Public Health is still working to prioritize locations for which wastewater surveillance data will be most helpful. So far, within the EBDA service area they have identified the City of Livermore and Santa Rita Jail as locations of interest, and EBDA staff is coordinating with City of Livermore and Dublin-San Ramon Services District staff to determine sampling feasibility. Public Health is also interested in monitoring schools, and EBDA and UC Berkeley staff will work with them to identify pilot locations for school or school district sampling.

Special Projects

Advanced Quantitative Precipitation Information (AQPI) Project

The regional AQPI project to improve prediction of rainfall events in the Bay Area continues to move forward. The Cooperative Agreement for installation of the X-band radar in the East Bay has been approved by the East Bay agencies, but approval by Sonoma County Water District (Sonoma Water), the implementing agency, was slowed by the COVID-19 emergency and subsequent wildfires. Sonoma Water was slated to approve the East Bay agreement, as well as the lease agreement with American Tower for the site, on November 10, 2020, however the contracts have been pushed back again. Staff are readying plans for installation of the X-band at Rocky Ridge as they await approval of the agreement, in hopes that the radar will be installed to capture as much as possible of the upcoming wet season. In the meantime, scientists with the National Oceanographic and Atmospheric Administration (NOAA) will begin providing precipitation forecasts to agencies at locations of their choosing using data from the already-installed portions of the AQPI radar system.

ITEM NO. OM6 RENEWAL AND REPLACEMENT FUND ANNUAL RECAP FY 2019/2020

In June 2019, the Commission authorized an expenditure of \$549,000 in Renewal and Replacement Fund (RRF) project funds for FY 2019/2020, which included \$100,000 in contingency funds to be used for unplanned projects. As part of the JPA negotiations, the Authority agreed to purchase couplings and seals that can be used to repair the force main in the event of a failure. The purchase of the couplings and seals was subsequently added to the projects for FY 2019/2020 for a total budget of \$709,000.

For FY 2019/2020, the RRF total expenditures were \$1,107,912, which included the projects authorized in FY 2019/2020, as well as several carry-over projects. The largest project expenditure in FY 2019/2020 was \$762,562 for the HEPS MCC Project, bringing the total expenditure on that project through the fiscal year to \$2,961,350. See item No. OM5 for an update on the HEPS MCC Project. Two other noteworthy projects from prior years that were completed this year were the EBDA SCADA System Upgrade and the OLEPS Effluent Pumps No. 1 & No. 4 discharge valve actuator and gear drive replacements.

Additional detail on project expenditures is provided in the attached table. Projects authorized for FY 2019/20 were as follows:

HEPS Replacement of four 75 HP Effluent Pumps

EBDA's Asset Management Plan calls for two pumps to be replaced in FY 2019/2020 and two pumps to be replaced in five years. Staff suggests replacing all four pumps at once to minimize overhead costs. This project has been delayed due to the length of time required to complete the HEPS MCC project and other more pressing issues such as electrical upgrade projects.

OLEPS Redundant ATS Installation & Portable Generator Enclosure

Funds for this project were spent to evaluate and ultimately connect OLEPS to OLSD as a source of redundant emergency power in the event of a failure of the OLEPS emergency generator. The scope of this project was revised when it was determined that the OLSD connection was feasible and would be more reliable and cost-effective than the portable generator initially envisioned.

SLEPS Electrical Upgrades

EBDA credited the City of San Leandro \$34,000 to complete the necessary electrical upgrades at SLEPS.

PLC Spare Components

The purchase of spare Programmable Logic Controller (PLC) components was delayed. EBDA currently stocks approximately 67% of the spare PLC components. These funds will be used to purchase the remaining critical spare components.

Force Main Repair Couplings & Seals

As part of the Amended and Restated Joint Powers Agreement (JPA) negotiations, the Authority agreed to purchase encapsulating couplings and flexible internal seals and sleeves that can be used to repair the force main in the event of a failure. See item No. OM5 for an update on this project.

RRF Contingency (Unplanned Projects) Fund

The purpose of the Contingency Fund is to provide additional funding for unidentified projects and/or equipment that may need to be replaced or refurbished during the fiscal year. Much of the smaller ancillary equipment and components that the Authority owns are operated with the intent to “run to failure”. This is a common practice at wastewater facilities with these types of assets, which include fans, valves, actuators, and small pumps and motors. While preventive maintenance is completed on a regular basis, forecasting an exact date of failure is not possible. The criteria for “run to failure” are both that the equipment can be readily procured and that there is sufficient redundancy to meet system firm capacity. In some cases, staff will purchase critical items and have them on the shelf, thereby reducing system equipment downtime. The Contingency Fund is also used for unexpected projects that arise throughout the year. The contingency budget for FY 2019/2020 was \$100,000. The contingency expenditures for FY 2019/2020 were \$104,701. Each project undertaken is discussed in more detail below.

LAVWMA PLC Upgrade

The EBDA PLC was upgraded at LAVWMA’s San Leandro Sample Station (SLSS). This upgrade, in conjunction with LAVWMA’s upgrade of their PLC at the SLSS, allows EBDA to display additional LAVWMA data on the EBDA SCADA system. The additional data, such as pump run status and basin levels, will prove valuable during wet weather and possibly for use with chlorine dosing at OLEPS.

OLEPS Effluent Pump No. 1 Motor

OLEPS Effluent Pump No. 1 Motor was refurbished.

UEPS Effluent Pump No. 2 Repair

This project included the field service for the Variable Frequency Drive (VFD) transformer. The actual cost of the transformer was incurred in FY 2020/2021 and will be included in the next year’s contingency expenditures.

UEPS Effluent Pump No. 6 Repair

This project included the purchase of a new impeller and a refurbished VFD. The Commission adopted resolutions in the amount of \$32,961 for the impeller and \$23,429 for the VFD and field service. The remainder of the cost associated with this project was USD staff time and parts for the pump repair.

EBDA Network Security Upgrade

EBDA’s network security upgrade continued from FY 2018/2019 and included the installation of additional network security hardware and programming.

EBDA Communication System Upgrade

In 2017, EBDA started a project to replace the serial port radios used for data communication between EBDA facilities. The project was put on hold shortly after it was started due to a number of considerations, including evaluation of whether internet or radio was a more appropriate technology to meet EBDA's needs. With the new HEPS MCC going online, the timing was optimal to replace the communications between HEPS, OLEPS, and the Operations Center. Three new ethernet radios were installed, one on the HEPS Surge Tower, one on the OLEPS Surge Tower, and one at the Operations Center. The technology and approach will be evaluated to inform decisions on additional communication upgrades. The full Communication System Upgrade will be included in the RRF project list in the next several years. EBDA's Asset Management Plan lists the project in the year 2021.

RRF FY 2019/2020 Summary

Updated as of: June 30, 2020

Project Name	2019/2020 Expenditures	Prior Years' Expenditures	Total Expenditures through 2019/2020	Percent Spent	Percent Complete	Budget Estimate	Projected Completion Date	Notes
Prior Years' Projects								
SLEPS Refurbish 4 Pumps	\$28,339	\$46,661	\$75,000	100%	100%	\$75,000	Completed	CSL credited \$28,339 per JPA negotiations
HEPS MCC Project	\$762,562	\$2,198,788	\$2,961,350	97%	97%	\$3,050,000	July 2020	Budget based on current project cost estimate
FM Manhole Coating & New Valves				0%	0%	\$75,000	Postponed	
MDF Analyzer		\$616	\$616	1%	0%	\$75,000	Postponed	Pending result of chlorine permit modification
SCADA System Upgrade	\$5,544	\$93,610	\$99,154	99%	100%	\$100,000	Completed	Includes \$11,115 for comm upgrade
Facilities Electrical Evaluation	\$1,155	\$24,301	\$25,456	106%	95%	\$24,000	June 2021	Overage due to staff time billed to project
AEPS Cavitation Study & Station Opti.	\$7,484	\$13,667	\$21,151	60%	60%	\$35,000	Report Complete	Station optimization postponed
OLEPS DE-PLC-SCADA	\$1,522	\$29,895	\$31,417	31%	31%	\$100,000	Postponed	
OLEPS Paving Repair/Upgrade	\$6,961	\$6,550	\$13,511	54%	45%	\$25,000	November 2020	
OLEPS Valve Actuators	\$20,586	\$33,039	\$53,625	89%	100%	\$60,000	Completed	
EBDA Office Upgrade	\$2,780		\$2,780	7%	10%	\$40,000	June 2021	
Prior Years' Project Subtotal	\$836,933	\$2,447,127	\$3,284,060			\$3,659,000		
2019/2020 Scheduled Projects								
HEPS Effluent Pump Replacement			\$0	0%	0%	\$360,000	June 2021	
OLEPS Backup Power From OLSD	\$47,149		\$47,149	118%	100%	\$40,000	Completed	
SLEPS Electrical Upgrades	\$34,000		\$34,000	100%	100%	\$34,000	Completed	CSL credited \$34,000 per JPA negotiations
PLC Spare Components			\$0	0%	0%	\$15,000	June 2021	
Force Main Repair Couplings & Seals	\$85,129		\$85,129	53%	55%	\$160,000	November 2020	
2019/2020 Scheduled Project Subtotal	\$166,278	\$0	\$166,278			\$609,000		
2019/2020 Contingency Projects								
LAVWMA PLC Upgrade	\$3,317		\$3,317				Completed	
OLEPS Pump #1 Motor	\$5,034		\$5,034				Completed	
UEPS Pump #2 Repair	\$2,044		\$2,044				November 2020	
UEPS Pump #6 Repair	\$76,683		\$76,683				June 2021	
EBDA Network Security Upgrade	\$5,607		\$5,607				September 2020	
EBDA Communication System Upgrade	\$12,016		\$12,016				December 2020	
2019/2020 Contingency Subtotal	\$104,701		\$104,701	105%		\$100,000		
2019/2020 Projects Total	\$270,979		\$270,979			\$709,000		
Total	\$1,107,912		\$3,555,039			\$4,368,000		

ITEM NO. OM7 MOTION AUTHORIZING THE GENERAL MANAGER TO EXECUTE A CONTRACT WITH GRAYBAR ELECTRIC COMPANY, INC. FOR THE OLEPS MAIN ELECTRICAL SWITCHBOARD UPGRADE IN THE AMOUNT OF \$103,632

Recommendation

Adopt a motion authorizing the General Manager to execute a contract with Graybar Electric Company, Inc. (Graybar) for the OLEPS Main Electrical Switchboard Upgrade in the amount of \$103,632.

Background

As part of the Renewal and Replacement Fund (RRF) project list for FY 2020/2021, the Commission approved \$260,000 for electrical improvements at OLEPS, including the main electrical switchboard upgrade. The project includes replacement of the breakers, refurbishment of the main switchboard, and installation of two new automatic transfer switches (ATSs). These upgrades will improve the electrical reliability of the station, particularly in the event of a power outage.

Beecher Engineering, Inc., EBDA's contract electrical engineering firm, produced single-line drawings and a draft scope of work for the OLEPS main electrical switchboard upgrade project. EBDA staff received two quotes and negotiated the scope and fee with the low bidder. The two quotes were as follows:

Graybar Electric Company, Inc.	\$94,210.11
Eaton Corporation	\$101,685.00

Graybar is an authorized distributor for Schneider Electric USA, Inc. (Schneider Electric). The two attached quotes from Graybar are separated into the taxable and non-taxable parts of the project. The quote from Graybar/Schneider Electric includes distributor markup, tax, an arc flash assessment, a thermographic survey, and additional equipment such as a power monitor. The quote from Eaton did not include these elements, and thus the complete project price would have been higher.

The project requires two shutdowns during which PG&E will secure the power to OLEPS. The shutdowns will occur at night during low flows. The OLEPS diesel pumps will still be available, if necessary. Prior to the first shutdown, a thermographic survey of the main switch board will be completed to identify any hot spots which could potentially cause issues. PG&E will then secure the power for the first shutdown. This shutdown will be approximately 6 hours in length. Schneider Electric will remove the main switchboard panels to allow access to the inside for cleaning, inspection, and measurements of the busbars for the design of the replacement breakers. If during this first shutdown damage is found, the project can be cancelled and EBDA will only be responsible for Schneider Electric's labor costs to this point. The project can then be converted to a replacement of the main switchboard which is more expensive and requires more downtime. If the inside of the main switchboard is in good condition, as expected, the breaker replacement will continue.

Once the new breakers are fabricated, in approximately 14-16 weeks, a second PG&E shutdown will be required to install the new breakers. This shutdown will be approximately 8 hours in length.

The scope for the project includes the two shutdowns, replacement breakers, new switchboard front panels, inspection & installation labor, Energy Reduction Maintenance Setting (ERMS), a power monitor to connect to SCADA, an arc flash assessment, and a thermographic survey. Staff is including a 10% contingency for this project to cover potential costs such as PG&E cancelling a shutdown at the last minute. If this happens, EBDA would be responsible to pay Schneider Electric's labor costs for the personnel that mobilized for the shutdown.

The OLEPS electrical upgrades project approved as part of the RRF also includes replacement of the 75 kW generator. Staff is evaluating this element of the project in parallel with the switchboard upgrade. On October 29, 2020, staff submitted an application to the California Office of Emergency Services for a grant under their Community Power Resiliency Allocation to Special Districts Program. If successful, this grant would cover the majority of costs associated with the generator replacement.



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 DIAMOND BAR CA 91765-3921
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To: EAST BAY DISCHARGERS AUTHORITY
 2651 GRANT AVENUE
 SAN LORENZO CA 94580-1839
 Attn: Howard Cin
 Phone: 510-362-2501
 Email: hcin@ebda.org
 Fax: 510-278-6547

Date: 11/09/2020
Project Name: SWITCHGEAR BREAKER REPLACEMENT
GB Quote #: 0236634010
 Purchase Order Nbr:
 Release Nbr:
 Additional Ref#:
 Revision Nbr:
 Valid From: 11/09/2020
 Valid To: 12/05/2020
 Contact: TINA LOMANTO
 Email: tina.lomanto@graybar.com

Proposal

We appreciate your request and take pleasure in responding as follows

Notes: * QUOTE VALIDITY 10-6-2020 THROUGH 12-5-2020

Item	Quantity	Supplier	Catalog Nbr	Description	Price	Unit	Ext.Price
100	1	SQUARE D CO.	REF# MS20-034		\$5,729.35	1	\$5,729.35
GB Part#: LOT SQD SERVICES					Tax: \$529.99		
Ship From: Drop Ship-Factory							
Item Note: Estimate for Shutdown #1, Material as described in Schneider's MS20_034 Main Switchboard Testing and Breaker Replacement Proposal.							
200	1	SQUARE D CO.	REF# MS20-034		\$42,135.19	1	\$42,135.19
GB Part#: LOT SQD SERVICES					Tax: \$3,897.49		
Ship From: Drop Ship-Factory							
Item Note: Estimate for Shutdown #2, Material as described in Schneider's MS20_034 Main Switchboard Testing and Breaker Replacement Proposal.							
300	1	SQUARE D CO.	REF# MS20-034		\$1,044.31	1	\$1,044.31
GB Part#: LOT SQD SERVICES					Tax: \$96.59		
Ship From: Drop Ship-Factory							
Item Note: ADDING IN ENERGY REDUCTION MAINTENANCE SETTING (ERMS)							
					Subtotal:	\$48,908.85	
					Estimated Tax :	\$4,524.07	
					(Actual tax value will be calculated at time of order placement)		
					Total :	\$53,432.92	

This equipment and associated installation charges may be financed for a low monthly payment through Graybar Financial Services (subject to credit approval). For more information call 1-800-241-7408 to speak with a leasing specialist.



1370 VALLEY VISTA DR STE 100
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 Phone: 909-451-4300
 Fax: 909-451-4699

To: EAST BAY DISCHARGERS AUTHORITY
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 Attn: Howard Cin
 Phone: 510-362-2501
 Email: hcin@ebda.org
 Fax: 510-278-6547

Date: 11/09/2020
Project Name: SWITCHGEAR BREAKER REPLACEMENT
GB Quote #: 0236634009
 Purchase Order Nbr:
 Release Nbr:
 Additional Ref#:
 Revision Nbr:
 Valid From: 11/09/2020
 Valid To: 12/05/2020
 Contact: TINA LOMANTO
 Email: tina.lomanto@graybar.com

Proposal

We appreciate your request and take pleasure in responding as follows

Notes: * * NOTE: THESE LABOR HOURS ARE NON-TAXABLE. * QUOTE VALIDITY 10-6-2020 THROUGH 12-5-2020

Item	ItemType	Quantity	Supplier	Catalog Nbr	Description	Price	Unit	Ext.Price
100		1	SQUARE D CO.	REF# MS20-034		\$4,439.88	1	\$4,439.88
GB Part#: LOT SQD SERVICES Ship From: Drop Ship-Factory ***Item Note:*** * Estimate for Shutdown #1, Labor, as described in Schneider's MS20_034 Main Switchboard Testing and Breaker Replacement Proposal. * * Shutdown to take place during weeknight or Saturday hours. *								
200		1	SQUARE D CO.	REF# MS20-034		\$32,652.16	1	\$32,652.16
GB Part#: LOT SQD SERVICES Ship From: Drop Ship-Factory ***Item Note:*** * Estimate for Shutdown #2, Labor as described in Schneider's MS20_034 Main Switchboard Testing and Breaker Replacement Proposal. * Shutdown to take place during weeknight or Saturday hours. *								
300		1	SQUARE D CO.	ES#216886		\$3,685.15	1	\$3,685.15
GB Part#: LOT SQD SERVICES Ship From: Drop Ship-Factory ***Item Note:*** * * Arc Flash Assessment, as described in ES#21688								

Total in USD (Tax not included): \$40,777.19

This equipment and associated installation charges may be financed for a low monthly payment through Graybar Financial Services (subject to credit approval). For more information call 1-800-241-7408 to speak with a leasing specialist.