



*EAST BAY DISCHARGERS AUTHORITY*  
2651 Grant Avenue  
San Lorenzo, CA 94580-1841  
(510) 278-5910  
FAX (510) 278-6547

*A Joint Powers Public Agency*

## **COMMISSION MEETING AGENDA**

**Thursday, September 19, 2019**

**9:30 A.M.**

**Oro Loma Sanitary District  
2655 Grant Avenue  
San Lorenzo, CA 94580**

- 1. Call to Order**
- 2. Pledge of Allegiance**
- 3. Roll Call**
- 4. Public Forum**

### **C O N S E N T   C A L E N D A R**

- |               |   |
|---------------|---|
| <b>MOTION</b> | <b>5. Commission Meeting Minutes of August 15, 2019</b> |
|               | <b>6. List of Disbursements for August 2019</b>         |
|               | <b>7. Treasurer's Report for August 2019</b>            |

### **R E G U L A R   C A L E N D A R**

- |                    |  |
|--------------------|--|
| <b>INFORMATION</b> | <b>8. General Manager's Report</b><br>(The General Manager will report on EBDA issues.)  |
| <b>INFORMATION</b> | <b>9. Report From the Managers Advisory Committee</b><br>(The General Manager will report on the meeting.)   |
| <b>INFORMATION</b> | <b>10. Report From the Ad Hoc Committee</b><br>(The General Manager will report on the meeting.)   |
| <b>MOTION</b>      | <b>11. Report From the Financial Management Committee</b><br>(The General Manager will report on the meeting.)   |
| <b>RESOLUTION</b>  | <b>12. Resolution Approving the Authority's Pension Funding Policy – See Item FM8</b><br>(The Commission will consider a resolution approving the Policy.) |
| <b>MOTION</b>      | <b>13. Report From the Regulatory Affairs Committee</b><br>(The General Manager will report on the meeting.)   |
| <b>MOTION</b>      | <b>14. Report From the Operations &amp; Maintenance Committee</b><br>(The General Manager will report on the meeting.)                                     |

Agenda Explanation  
East Bay Dischargers Authority  
Commission Agenda  
September 19, 2019

**INFORMATION 15. Items From the Commission and Staff**  
(The Commission and staff may address items of general interest.)

**16. 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 [kyambao@ebda.org](mailto: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 posted on the East Bay Dischargers Authority website located at <http://www.ebda.org>.)

**The next Commission meeting will be held  
Thursday, October 17, 2019 at 9:30 a.m.**

## GLOSSARY OF ACRONYMS

<b>ACWA</b>	Association of California Water Agencies	<b>DSRSD</b>	Dublin San Ramon Services District
<b>AQPI</b>	Advanced Quantitative Precipitation Information	<b>DTSC</b>	Department of Toxic Substances Control
<b>AEPS</b>	Alvarado Effluent Pump Station	<b>EBDA</b>	East Bay Dischargers Authority
<b>AMP</b>	Asset Management Plan	<b>EIS/EIR</b>	Environmental Impact Statement/Report
<b>ANPRM</b>	Advanced Notice of Proposed Rulemaking	<b>EPA</b>	Environmental Protection Agency
<b>BAAQMD</b>	Bay Area Air Quality Management District	<b>FOG</b>	Fats, Oils and Grease
<b>BACC</b>	Bay Area Chemical Consortium	<b>GASB</b>	Government Accounting Standards Board
<b>BACWA</b>	Bay Area Clean Water Agencies	<b>HEPS</b>	Hayward Effluent Pump Station
<b>BCDC</b>	Bay Conservation and Development Commission	<b>JPA</b>	Joint Powers Agreement
<b>BOD</b>	Biochemical Oxygen Demand	<b>LAVWMA</b>	Livermore-Amador Valley Water Management Agency
<b>CARB</b>	California Air Resources Board	<b>LOCC</b>	League of California Cities
<b>CASA</b>	California Association of Sanitation Agencies	<b>MAC</b>	Managers Advisory Committee
<b>CBOD</b>	Carbonaceous Biochemical Oxygen Demand	<b>MCC</b>	Motor Control Center
<b>CDFA</b>	CA Department of Food & Agriculture	<b>MCL</b>	Maximum Contaminant Level
<b>CEC</b>	Compound of Emerging Concern	<b>MDF</b>	Marina Dechlorination Facility
<b>CEQA</b>	California Environmental Quality Act	<b>MG</b>	Million Gallons
<b>CFR</b>	Code of Federal Regulations	<b>MGD</b>	Million Gallons per Day
<b>CMMS</b>	Computerized Maintenance Management System	<b>MMP</b>	Mandatory Minimum Penalty
<b>COH</b>	City of Hayward	<b>MOU</b>	Memorandum of Understanding
<b>CPUC</b>	California Public Utilities Commission	<b>N</b>	Nitrogen
<b>CSL</b>	City of San Leandro	<b>NACWA</b>	National Association of Clean Water Agencies
<b>CTR</b>	California Toxics Rule	<b>NAS</b>	National Academy of Sciences
<b>CVCWA</b>	Central Valley Clean Water Association	<b>NGO</b>	Non-Governmental Organization
<b>CVSAN</b>	Castro Valley Sanitary District	<b>NOX</b>	Nitrogen Oxides
<b>CWA</b>	Clean Water Act	<b>NPDES</b>	National Pollutant Discharge Elimination System
<b>CWEA</b>	CA Water Environment Association	<b>NPS</b>	Non-Point Source
<b>DO</b>	Dissolved Oxygen	<b>NTR</b>	National Toxics Rule
<b>DPR</b>	Department of Pesticide Regulation	<b>O&amp;M</b>	Operations & Maintenance

## GLOSSARY OF ACRONYMS

<b>OLEPS</b>	Oro Loma Effluent Pump Station	<b>SSO</b>	Sanitary Sewer Overflow
<b>OLSD</b>	Oro Loma Sanitary District	<b>SWRCB</b>	State Water Resources Control Board
<b>OMB</b>	Office of Management and Budget	<b>TDS</b>	Total Dissolved Solids
<b>P</b>	Phosphorous	<b>TMDL</b>	Total Maximum Daily Load
<b>PAHs</b>	Polynuclear Aromatic Hydrocarbons	<b>TN</b>	Total Nitrogen
<b>PCBs</b>	Poly Chlorinated Biphenyls	<b>TP</b>	Total Phosphorus
<b>PLC</b>	Programmable Logic Controller	<b>TRC</b>	Total Residual Chlorine
<b>POTW</b>	Publicly Owned Treatment Works	<b>TSO</b>	Time Schedule Order
<b>PPCPs</b>	Pharmaceutical and Personal Care Products	<b>TSS</b>	Total Suspended Solids
<b>QA/QC</b>	Quality Assurance / Quality Control	<b>USD</b>	Union Sanitary District
<b>Region IX</b>	Western Region of EPA (CA, AZ, NV & HI)	<b>UV</b>	Ultraviolet Treatment
<b>ReNUWIt</b>	Re-Inventing the Nation's Urban Water Infrastructure engineering research center	<b>VFD</b>	Variable Frequency Drive
<b>RFP</b>	Request For Proposals	<b>VOCs</b>	Volatile Organic Compounds
<b>RFQ</b>	Request For Qualifications	<b>WAS</b>	Waste Activated Sludge
<b>RMP</b>	Regional Monitoring Program	<b>WDR</b>	Waste Discharge Requirements
<b>RO</b>	Reverse Osmosis	<b>WEF</b>	Water Environment Federation
<b>RWB</b>	Regional Water Board	<b>WET</b>	Whole Effluent Toxicity or Waste Extraction Test
<b>RWQCB</b>	Regional Water Quality Control Board	<b>WIN</b>	Water Infrastructure Network
<b>SBS</b>	Sodium Bisulfite	<b>WLA</b>	Waste Load Allocation (point sources)
<b>SCADA</b>	Supervisory Control and Data Acquisition	<b>WPCF</b>	Water Pollution Control Facility
<b>SCAP</b>	Southern California Alliance of POTWs	<b>WQBEL</b>	Water Quality Based Effluent Limitation
<b>SEP</b>	Supplementary Environmental Project	<b>WQS</b>	Water Quality Standards
<b>SFEI</b>	San Francisco Estuary Institute	<b>WRDA</b>	Water Resource Development Act
<b>SIP</b>	State Implementation Policy (CTR/NTR criteria)	<b>WRF</b>	Water Research Foundation
<b>SLEPS</b>	San Leandro Effluent Pump Station	<b>WWTP</b>	Wastewater Treatment Plant
<b>SRF</b>	State Revolving Fund	<b>WWWIFA</b>	Water and Wastewater Infrastructure Financing Agency
<b>SSMP</b>	Sewer System Management Plan		

## **CONSENT CALENDAR**

Consent calendar items are typically routine in nature and are considered for approval by the Commission with a single action. The Commission may remove items from the Consent Calendar for discussion. Items on the Consent Calendar are deemed to have been read by title. Members of the public who wish to comment on Consent Calendar items may do so during Public Forum.

**Item No. 5 Commission Meeting Minutes of August 18, 2019**

**Item No. 6 List of Disbursements for August 2019 – See Item FM4**

**Item No. 7 Treasurer’s Report for August 2019 – See Item FM5**

## **Recommendation**

Approve Consent Calendar Items No. 5, 6, and 7.

**ITEM NO. 5 COMMISSION MEETING MINUTES OF AUGUST 15, 2019**

**EAST BAY DISCHARGERS AUTHORITY  
COMMISSION MEETING MINUTES**

**August 15, 2019**

**1. Call to Order**

Chair Walters called the meeting to order at 9:31 A.M. on Thursday, August 15, 2019, at the Oro Loma Sanitary District Boardroom, 2655 Grant Avenue, San Lorenzo, CA 94580.

**2. Pledge of Allegiance**

**3. Roll Call**

<b>PRESENT:</b>	Al Mendall	City of Hayward
	Peter Ballew	City of San Leandro
	Anjali Lathi	Union Sanitary District
	Ralph Johnson	Castro Valley Sanitary District
	Dan Walters	Oro Loma Sanitary District

**ABSENT:** None

**OTHERS**

<b>PRESENT:</b>	Jacqueline Zipkin	East Bay Dischargers Authority
	Eric Casher	Legal Counsel
	Howard Cin	East Bay Dischargers Authority
	Maria Buckley	East Bay Dischargers Authority
	Kalena Yambao	East Bay Dischargers Authority
	Alex Ameri	City of Hayward
	Paul Eldredge	Union Sanitary District
	Jason Warner	Oro Loma Sanitary District
	Justin Jenson	City of San Leandro
	Roland Williams	Castro Valley Sanitary District

**4. Public Form**

No member of the public requested to address the Commission at the meeting.

**C O N S E N T C A L E N D A R**

**5. Commission Meeting Minutes of July 18, 2019**

**6. List of Disbursements for July 2019**

**7. Preliminary Treasurer's Report for July 2019**

Commissioner Lathi moved to approve the consent calendar. The motion was seconded by Commissioner Johnson and carried 5-0 (Mendall, Ballew, Lathi, Johnson, Walters; ayes).

## **REGULAR CALENDAR**

### **8. General Manager's Report**

The General Manager deferred her comments for the month of August 2019 to the Committee Reports.

### **9. Report from the Managers Advisory Committee (MAC)**

The MAC met with the General Manager on August 8, 2019. The General Manager requested to combine the MAC and Ad Hoc reports.

### **10. Report from the Ad Hoc Committee**

The Ad Hoc Committee met with the General Manager on August 14, 2019. The General Manager brought up the topic of a possible name change. The Committee recommended leaving the name as is for now, with the possibility of revisiting the question in the future. The GM also reported that provisions around JPA termination, along with subsequent ownership changes of two pump stations, are a key topic being discussed. The GM reported that drafting of JPA language incorporating the term sheet is complete, and work is proceeding to generate a complete draft that should be released in the coming weeks. The JPA six-month extension and JPA renewal are set to go before each agency tentatively in November for review and approval. The Commission agreed that, ideally, the six-month extension should be included and resolved at the same time as the JPA renewal, and both should be approved before December 31, 2019. The Commission suggested drafting a template resolution with common language for each agency to review and approve with room for slight modifications and feedback from each agency.

### **11. Report from the Financial Management Committee**

The Financial Management Committee met with the General Manager on August 12, 2019, and reviewed the July List of Disbursements and Preliminary Treasurer's Report. The Finance Committee discussed signature authority as one element of a revised Purchasing Policy that will be adopted subsequent to JPA adoption. The Finance Committee recommended a \$50,000 signature authority threshold for the General Manager with no separate thresholds for types of work or contracts. The Finance Committee also supported a \$25,000 signature authority threshold for the Operations and Maintenance Manager. The O&M manager would still be acting under the direction of the General Manager in approving contracts. The Finance Committee also recommended that all contract or purchase order amendments and change orders to agreements over \$50,000, or that would bring the total above the \$50,000 threshold, be brought to the Commission for approval. The Finance Committee recommended that the signature authorities for all contracts be the same, irrespective of whether they are for supplies, professional services, construction, or other services. There was disagreement among the Commission on this point, and it will be further discussed as the draft Purchasing Policy is developed.

The Finance Committee also discussed a draft Pension Funding Policy and recommended that it be brought to the Commission for approval with no changes.

Commissioner Mendall motioned to approve the report from Financial Management and the motion was seconded by Commissioner Johnson and carried unanimously, 5-0 (Mendall, Ballew, Lathi, Johnson, Walters; ayes).

**12. Report from the Regulatory Affairs Committee**

The Regulatory Affairs Committee met with the General Manager on August 14, 2019. The GM reviewed the NPDES Status Report, referencing tables showing compliance for CBOD, TSS and bacteria limits. The General Manager gave a report on PFAS as background information for regulations that may be forthcoming. The GM also noted the WaterReuse document included in the agenda for general information purposes which highlights the research, funding, and regulatory needs for advancing water recycling in California. The USEPA is set to release a national water recycling strategy in September. ReNUWIt's One Water Center is conducting a workshop in December which the GM is engaged in planning, which will focus on goal development for water recycling in the Bay Area. In addition, a report BACWA is preparing under the nutrients watershed permit, will summarize water recycling plans that Bay Area agencies have and the resulting nutrient removal from the Bay.

Commissioner Mendall moved to approve the report from the Regulatory Affairs Committee. The motion was seconded by Commissioner Lathi and carried unanimously, 5-0 (Mendall, Ballew, Lathi, Johnson, Walters; ayes).

**13. Report from the Operations and Maintenance Committee (O&M)**

The Operations and Maintenance Committee met on August 13th, 2019 and discussed the status of EBDA facilities. The Operations and Maintenance Manager provided an update on the Cavitation Study at AEPS; a draft report is expected shortly. At the HEPS MCC Project, three new Ethernet radios were installed in July, which will provide HEPS with access to Hayward's SCADA system. PG&E rescheduled to the 27<sup>th</sup> and 28<sup>th</sup> of August, causing work delays and coordination challenges. At OLEPS, the discharge valve actuators are scheduled to be replaced the weeks of September 16<sup>th</sup> and 23<sup>rd</sup>. Generator starter and Diesel Pump operation issues were observed and then resolved at OLEPS. The O&M Manager gave updates on the SCADA system and cybersecurity; the new SCADA system is up and running. The O&M Manager reported that Underground Service Alerts are continuing to decrease. The Commission received an update on special projects including the Transport System Reliability Plan and the Facilities Electrical Evaluation. The GM reported the Disaster Recovery Plan will be brought before the Commission in the coming months. The GM explained the resolution amending the contract with GHD, increasing the budget for the Asset Management Plan. The GM also gave an update on the AQPI Project, noting that discussions are still taking place regarding long-term funding of the project beyond the current grant. The near-term X-band radar project is awaiting other East Bay agencies' approval.

Commissioner Lathi moved to approve the report from the Operations & Maintenance Committee. The motion was seconded by Commissioner Johnson and carried unanimously, 5-0 (Mendall, Ballew, Lathi, Johnson, Walters; ayes).



**14. Resolution Authorizing the General Manager to Issue Amendment No. 1 to the Professional Services Agreement with GHD, Inc. for Asset Management Advisory Services in the Amount of \$3,360 for a Total not to Exceed the Amount of \$48,370.**

Commissioner Johnson moved to adopt the resolution authorizing the GM to issue Amendment No. 1 to GHD. The motion was seconded by Commissioner Mendall and carried unanimously, 5-0.

Ayes: Commissioners Mendall, Ballew, Lathi, Johnson, and Chair Walters  
Noes: None  
Absent: None  
Abstain: None

**15. Report from the Personnel Committee**

The Personnel Committee met with the General Manager on August 13, 2019. The General Manager went over revisions to the Personnel Policy including the addition of a catastrophic leave provision. The policy will now also state that employees should refrain from using personal email accounts for work-related business. Since the Authority uses personal cell phones for business, the Commission recommended adding a provision that states employees must comply with submitting data from personal cell phones used for business in the event of a public records request for such information. The Commission also recommends the catastrophic leave provision should state that General Manager approval is required. With said changes, the Committee recommends approval of the revisions to the Personnel Policy. The Committee also recommended approval of a resolution to issue a change order to Aerotek, Inc. for extending temporary administrative assistant services through November. Commissioner Mendall moved to approve the report from the Personnel Committee. The motion was seconded by commissioner Ballew and carried unanimously, 5-0 (Mendall, Ballew, Lathi, Johnson, Walters; ayes).

**16. Resolution Approving Revisions to the Personnel Policy.**

With the stipulation of noted changes, Commissioner Lathi moved to adopt the resolution approving revisions to the Personnel Policy. The motion was seconded by Commissioner Ballew and carried unanimously, 5-0.

Ayes: Commissioners Mendall, Ballew, Lathi, Johnson, and Chair Walters  
Noes: None  
Absent: None  
Abstain: None

**17. Resolution Authorizing the General Manager to Issue a Change Order to Aerotek, Inc. for Temporary Administrative Assistant Services in the Amount of \$30,000 for a Total Not to Exceed Amount of \$47,600.**

Commissioner Mendall moved to approve the resolution authorizing the General Manager to issue a change order to Aerotek, Inc. in the amount of \$30,000. The motion was seconded by Commissioner Johnson and carried unanimously, 5-0.

Ayes: Commissioners Mendall, Ballew, Lathi, Johnson, and Chair Walters  
Noes: None  
Absent: None  
Abstain: None

**18. Items from Commission and Staff**

The General Manager noted that staff has begun developing Rules of the Commission, noting specifically that in considering the Rules, the Commission will have an opportunity to discuss whether or not motions for approving Committee Reports will continue to be necessary. The General Counsel noted the Claims Bar Date of October 21<sup>st</sup> for submitting any claims in the U.S. Bankruptcy Court against PG&E as part of its Bankruptcy proceeding.

**19. Adjournment**

With no further business, Chair Walters adjourned the meeting at 10:41 a.m.

Jacqueline Zipkin  
General Manager

**ITEM NO. 8 GENERAL MANAGER'S REPORT**

The General Manager will discuss items of interest concerning EBDA.

**ITEM NO. 9 REPORT FROM THE MANAGERS ADVISORY COMMITTEE**

**MANAGERS ADVISORY COMMITTEE  
AGENDA**

**Thursday, September 12, 2019**

**1:30 P.M.**

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

**Discussion 1**

**EBDA Commission Package**

- Finance
- Regulatory
- O&M

**Discussion 2**

**Joint Powers Agreement**

- Overall Impressions
- Key Issues
  - Arbitration
  - Termination/Disposition of Assets
  - Key Issue Bundle
    - Delineation of Pipeline Capital
    - Hayward Marsh Flows
    - USD Pump Station Capital
  - Incorporation of USD Marsh MOU
  - Capacity Exceedance Fee Calculation Methodology
- Agenda for September 16 Meeting
- Schedule
- Calendar for Governing Board adoptions

**Discussion 3**

**LAVWMA Agreement Extension**

**Discussion 4**

**EBDA Managers Round Robin**

**ITEM NO. 10 REPORT FROM THE AD HOC COMMITTEE**

**AD HOC COMMITTEE  
AGENDA**

**Wednesday, September 18, 2019**

**2:00 P.M.**

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

**Discussion 1      Key Issues in JPA Drafting**



EAST BAY DISCHARGERS AUTHORITY  
2651 Grant Avenue  
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**ITEM NO. 11**

**FINANCIAL MANAGEMENT COMMITTEE  
AGENDA**

**Monday, September 16, 2019**

**3:00 p.m.**

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

**Committee Members: Mendall (Chair); Johnson**

**FM1. Call to Order**

**FM2. Roll Call**

**FM3. Public Forum**

**FM4. List of Disbursements for August 2019**

(The Committee will review the List of Disbursements.)

**FM5. Treasurer's Report for August 2019**

(The Committee will review the Preliminary Treasurer's Report.)

**FM6. East Bay Community Energy Plan Options**

(The Committee will discuss the Authority's options for electrical rate plans.)

**FM7. Review of Annual CERBT Fund Statement for Fiscal year Ending June 30, 2019**

(The Committee will discuss the Authority's OPEB CERBT Fund Statement.)

**FM8. Resolution Adopting the Authority's Pension Funding Policy**

(A resolution will be considered to adopt a Pension Funding Policy for the Authority.)

**FM9. 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.)

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**The next Financial Management Committee meeting will be held  
Monday, October 14, 2019 at 3:00 p.m.**

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**ITEM NO. FM4 LIST OF DISBURSEMENTS FOR AUGUST 2019**

The itemized List of Disbursements for the month of August 2019 totaled \$302,716.16.

Reviewed and Approved by:

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Al Mendall, Chair Financial Management Committee	Date
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Jacqueline T. Zipkin Treasurer	Date
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**EAST BAY DISCHARGERS AUTHORITY**  
**Cash Disbursement**  
**August 2019**

**CHECKS (SORTED BY AMOUNT)**

Check #	Check Date	Invoice #	Vendor Name	Description	Itemized Charges	Invoice Amount	Check Amount
24336	8/15/2019	373360	CITY OF SAN LEANDRO	O&M JUNE FY 18/19		29,886.86	29,886.86
24353	8/15/2019	0046041-2019-1	WATER RESEARCH FOUNDATION	2019 UTILITY SUBSCRIPTION PROGRAM		24,338.37	24,338.37
24339	8/15/2019	02485	UNION SANITARY DISTRICT	O&M JUNE FY 18/19		22,142.69	22,142.69
24370	8/29/2019	1244898	HANSON BRIDGETT LLP	JPA SUPPORT - LEGAL SERVICES RENDERED THROUGH JUNE 2019		20,720.00	20,720.00
24348	8/15/2019	SJ954150	UNIVAR USA, INC	SODIUM BISULFITE DELIVERY 07/31/19		5,890.12	17,224.27
24348	8/15/2019	SJ951920	UNIVAR USA, INC	SODIUM BISULFITE DELIVERY 07/19/19		5,865.53	
24348	8/15/2019	SJ942564	UNIVAR USA, INC	SODIUM BISULFITE DELIVERY 05/27/19		5,468.62	
24347	8/15/2019	1577648	HACH IIM SUPPORT	WIMS SOFTWARE SUPPORT RENEWAL		7,520.00	7,520.00
24337	8/15/2019	6194	ORO LOMA SANITARY DISTRICT	RENT FOR ADMIN BUILDING 07/02019-06/30/2020		7,330.00	7,330.00
24368	8/29/2019	INV-1576488	INDUSTRIAL NETWORKING SOLUTIONS	3 QTY HORIZON 900 RADIOS FOR COMMUNICATION SYSTEM		6,266.13	6,266.13
24354	8/15/2019	010	CURRIE ENGINEERS	HEPPS MCC REPLACEMENT PROJECT JULY PP #10		3,321.75	5,696.75
24354	8/15/2019	009	CURRIE ENGINEERS	HEPPS MCC REPLACEMENT PROJECT JUNE PP #9		2,375.00	
24361	8/29/2019	05/19	DEBORAH QUINN	ACCOUNTING SERVICES - 05/19		4,818.75	4,818.75
24365	8/29/2019	0819-23	BEECHER ENGINEERING, INC	MCC REPLACEMENT PROJECT - ESDC @HEPS PP#38		4,200.00	4,400.00
24365	8/29/2019	0819-25	BEECHER ENGINEERING, INC	EBDA FACILITIES ELECTRICAL EVALUATION PP#07		200.00	
24351	8/15/2019	OE01832001	AEROTEK ENVIRONMENTAL	STAFFING SERVICES FOR TEMPORARY ADMIN P/E 07/27		2,200.00	4,262.50
24351	8/15/2019	OE01835774	AEROTEK ENVIRONMENTAL	STAFFING SERVICES FOR TEMPORARY ADMIN P/E 08/03		2,062.50	
24367	8/29/2019	601537	CALTEST	LAB TESTING - NPDES & NUTRIENTS JULY		3,854.45	3,854.45
24343	8/15/2019	44852	CALCON	PMS AND FLOW METER #1 AT MDF		1,676.77	3,735.88
24343	8/15/2019	44857	CALCON	DATA ADDITIONS FOR OPS CENTER - OLEPS AND SKYWEST		1,204.80	
24343	8/15/2019	44855	CALCON	COMMUNICATIONS DATA ISSUES AT SLEPS		854.31	
24366	8/29/2019	OE01843222	AEROTEK ENVIRONMENTAL	STAFFING SERVICES FOR TEMPORARY ADMIN P/E 08/17		1,553.75	3,341.25
24366	8/29/2019	OE01839469	AEROTEK ENVIRONMENTAL	STAFFING SERVICES FOR TEMPORARY ADMIN P/E 08/10		1,787.50	
24349	8/15/2019	0719-33	BEECHER ENGINEERING, INC	HEPS MCC REPLACEMENT PROJECT JUNE/JULY		2,000.00	2,600.00
24349	8/15/2019	0719-34	BEECHER ENGINEERING, INC	ENGINEERING SERVICES FOR OLEPS JUNE/JULY		600.00	
24369	8/29/2019	011	CURRIE ENGINEERS	HEPS MCC REPLACEMENT PROJECT 08/19 PP#11		2,418.75	2,418.75
24335	8/15/2019	457-303166	VANTAGEPOINT TRANSFER AGENTS	ICMA DEFERRED COMPENSATION FOR PERIOD ENDING 08/15/19		1,767.85	1,767.85
24356	8/29/2019	457-303166	VANTAGEPOINT TRANSFER AGENTS	ICMA DEFERRED COMPENSATION FOR PERIOD ENDING 08/31/19		1,767.85	1,767.85
24346	8/15/2019	07627	US BANK	OFFICE DEPOT	955.93	1,714.35	1,714.35
24346	8/15/2019	07627	US BANK	OFFICE DEPOT	437.15		
24346	8/15/2019	07627	US BANK	REMOTE DATA BACKUPS	378.00		
24346	8/15/2019	07627	US BANK	BLACKBAUD	199.96		
24346	8/15/2019	07627	US BANK	SOUTHWEST AIRLINES	194.96		
24346	8/15/2019	07627	US BANK	OFFICE DEPOT	146.70		
24346	8/15/2019	07627	US BANK	TOGO'S	92.00		

**EAST BAY DISCHARGERS AUTHORITY**  
**Cash Disbursement**  
**August 2019**

Check #	Check Date	Invoice #	Vendor Name	Description	Itemized Charges	Invoice Amount	Check Amount
24346	8/15/2019	07627	US BANK	INTERMEDIA.NET	86.41		
24346	8/15/2019	07627	US BANK	DALZIEL GARAGE	32.00		
24346	8/15/2019	07627	US BANK	OFFICE DEPOT	22.17		
24346	8/15/2019	07627	US BANK	SAFEWAY	20.98		
24346	8/15/2019	07627	US BANK	OFFICE DEPOT	16.38		
24346	8/15/2019	07627	US BANK	DALZIEL GARAGE	16.00		
24346	8/15/2019	07627	US BANK	US POSTAL SERVICE	13.70		
24346	8/15/2019	07627	US BANK	DALZIEL GARAGE	12.00		
24346	8/15/2019	07627	US BANK	STANFORD PARKING METER	10.00		
24346	8/15/2019	07627	US BANK	EAST BAY TIMES	9.95		
24346	8/15/2019	07627	US BANK	PACIFIC RENAISSANCE GARAGE	9.00		
24346	8/15/2019	07627	US BANK	PACIFIC RENAISSANCE GARAGE	8.00		
24346	8/15/2019	07627	US BANK	PACIFIC RENAISSANCE GARAGE	8.00		
24346	8/15/2019	07627	US BANK	ITUNES	0.99		
24346	8/15/2019	07627	US BANK	OFFICE DEPOT	(955.93)		
24350	8/15/2019	EBD3052	ALPHA ANALYTICAL LABS	SKYWEST SAMPLES JUN-JUL 2019		1,530.00	1,530.00
24363	8/29/2019	S1926757.001	SAN LEANDRO ELECTRIC	LIGHT FIXTURES FOR OLEPS & SKYWEST		1,516.86	1,516.86
24338	8/15/2019	52205702	CITY OF HAYWARD	BENEFIT PAYMENTS - 08/2019		1,507.83	1,507.83
24355	8/15/2019	42213	COMPUTER COURAGE	WEBSITE UPDATE COST JULY-19		1,220.40	1,220.40
24344	8/15/2019	08100	CAYUGA INFORMATION SYSTEMS	TECH SUPPORT - JULY 2019		1,035.00	1,035.00
24341	8/15/2019	91722346	BLACKBAUD	FINANCIAL EDGE PURCHASE ORDER MODULE		899.50	899.50
24342	8/15/2019	1746192-19	SCIF	WORKERS COMP PREMIUM 08/2019		603.25	603.25
24345	8/15/2019	517742	R-COMPUTER	SECURITY SUBSCRIPTIONS		590.00	590.00
24359	8/29/2019	5104830439	AT&T	MDF JULY		320.32	514.07
24359	8/29/2019	5104830439	AT&T	MDF AUGUST		193.75	
24340	8/15/2019	51027859109143	AT&T	ADMIN THROUGH 08/04/19		444.53	444.53
24358	8/29/2019	10110000001	EBMUD MDF FACILITY	WATER & SEWER JUNE-AUG		287.15	287.15
24357	8/29/2019	08/19	PETER BALLEW	COMMISSIONER COMPENSATION 08/19		240.00	240.00
24362	8/29/2019	9835157951	VERIZON	ADMIN JULY		192.57	215.27
24362	8/29/2019	9835908002	VERIZON	SCADA JULY-AUG		22.70	
24364	8/29/2019	03952	TOWN & COUNTRY OFFICE CLEANING	JANITORIAL SERVICES FOR 08/19		165.00	165.00
24352	8/15/2019	2818845	CALTRONICS	COPIER SERVICES JUNE/JULY		163.77	163.77
24334	8/15/2019	07/19	JACKIE ZIPKIN	EXPENSE REIMBURSEMENT JULY 2019		159.21	159.21
24360	8/29/2019	6-708-86750	FEDEX	COMMISSION PACKETS DELIVERED 08/08 AND 09/19		98.95	98.95
24363	8/29/2019	S1926642.001	SAN LEANDRO ELECTRIC	LIGHT BULBS FOR MDF & SKYWEST		77.60	77.60
<b>TOTAL CHECK PAYMENTS</b>						<b>187,075.09</b>	



**EAST BAY DISCHARGERS AUTHORITY**  
**Cash Disbursement**  
**August 2019**

Check #	Check Date	Invoice #	Vendor Name	Description	Itemized Charges	Invoice Amount	Check Amount
<b>ELECTRONIC PAYMENTS</b>							
8/30/2019		5105948980-0	PG&E	GAS & ELECTRIC CHARGES 06/29/19-08/11/19		32,994.59	32,994.59
8/5/2019		5105948980-0	PG&E	GAS & ELECTRIC CHARGES 05/31/19-07/10/19		32,477.48	32,477.48
8/8/2019		15743555	PERS HEALTH	HEALTH PREMIUMS - AUGUST 2019		7,026.35	7,026.35
8/9/2019		7-2019-1	CALPERS	PENSION PAYMENT FOR PERIOD 07/01/19-07/15/19		3,363.39	3,363.39
8/8/2019		6-2019-2	CALPERS	PENSION PAYMENT FOR PERIOD 06/16/19-06/30/19		2,982.86	2,982.86
<b>TOTAL ELECTRONIC PAYMENTS</b>							<b>78,844.67</b>
<b>PAYROLL</b>							
8/15/2019	8/15/2019	PAYROLL		08/01-15/2019		16,832.83	16,832.83
8/31/2019	8/31/2019	PAYROLL		08/16-31/2019		16,561.81	19,963.57
8/31/2019	Aug-19	CUTTER, PAULINE RUSSO		DIRECT DEPOSIT		480.00	
8/31/2019	Aug-19	LATHI, ANJALI		DIRECT DEPOSIT		720.00	
8/31/2019	Aug-19	MENDALL, AL		DIRECT DEPOSIT		761.76	
8/31/2019	Aug-19	JOHNSON, RALPH		DIRECT DEPOSIT		720.00	
8/31/2019	Aug-19	WALTERS, DAN		DIRECT DEPOSIT		720.00	
<b>TOTAL PAYROLL</b>							<b>36,796.40</b>
<b>TOTAL DISBURSEMENTS</b>							<b>302,716.16</b>

**ITEM NO. FM5 TREASURER'S REPORT FOR AUGUST 2019**

The beginning cash balance on August 1, 2019 was \$5,017,112.71. The ending cash balance on August 31, 2019 was \$4,907,025.67. Total receipts for the month were \$192,629.12 and disbursements were \$302,716.16.

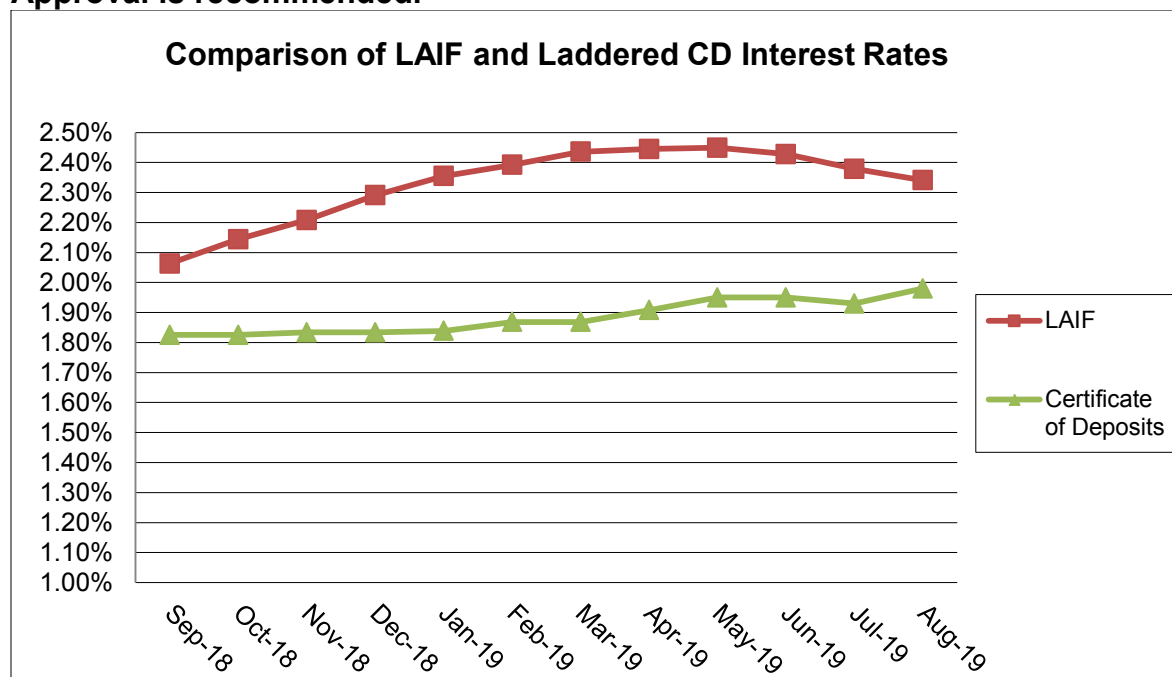
EBDA currently has a three-pronged investment approach that includes laddered CDs, Local Agency Investment Fund (LAIF), and a Wells Fargo savings account. As directed by the Financial Management Committee, funds are currently being transferred to savings and/or LAIF as CDs mature so that they are liquid and may be used for lump sum payments to pension and Other Post-Employment Benefits (OPEB) as the end of the current JPA approaches. Staff will continue to work with the Committee on investment strategy.

Current market value of laddered CD investments total \$652,235.72. The average annual yield of the CDs is 1.98%. One CD matured in August 2019, and the resulting \$50,000 will be transferred to savings.

EBDA's LAIF balance beginning August 1, 2019 was \$3,229,932.27. The ending balance remained the same with no interest credits for August 2019. The LAIF interest rate for the period ending August 31, 2019 was 2.341%

The Wells Fargo State/Local Government account interest rate for this period was 0.03%.

**Approval is recommended.**



**EAST BAY DISCHARGERS AUTHORITY  
TREASURER'S REPORT  
AUG 31, 2019**

FUND	DESCRIPTION	BEGINNING CASH BALANCE	DEBITS (INCREASE)	CREDITS (DECREASE)	ENDING CASH BALANCE
12	OPERATIONS & MAINTENANCE	1,249,238.64	79,660.59	229,548.74	1,099,350.49
13	PLANNING & SPECIAL STUDIES	755,070.04	22,944.74	49,268.32	728,746.46
14	RECLAMATION O & M (SKYWEST)	130,036.71	10,000.00	2,717.47	137,319.24
31	REPLACEMENT	2,870,997.82	80,023.79	21,181.63	2,929,839.98
41	CONSTRUCTION	11,769.50			11,769.50
	TOTALS	5,017,112.71	192,629.12	302,716.16	4,907,025.67

Aug-19  
9/11/19

## SUPPLEMENTAL TREASURER'S REPORT

DATE	TRANSACTION	RECEIPT	DISBURSEMENT REGULAR	DISBURSEMENT PAYROLL	PAYROLL TRANSFER	SAVINGS TRANSFER	LAIF TRANSFER	CD TRANSFER	CD INTEREST & EXPENSES	WELLS FARGO REGULAR CHECKING BALANCE	WELLS FARGO PAYROLL CHECKING BALANCE	WELLS FARGO REGULAR SAVINGS BALANCE	LAIF BALANCE	WELLS FARGO CERTIFICATES OF DEPOSIT	TOTAL CASH
07/31/19	BALANCE									866,749.27	65,059.13	101,618.49	3,229,932.27	753,753.55	5,017,112.71
08/05/19	ELECTRONIC BILL PAY - PG&E		32,477.48							834,271.79	65,059.13	101,618.49	3,229,932.27	753,753.55	4,984,635.23
08/08/19	ELECTRONIC BILL PAY		2,982.86							831,288.93	65,059.13	101,618.49	3,229,932.27	753,753.55	4,981,652.37
08/08/19	ELECTRONIC BILL PAY		7,026.35							824,262.58	65,059.13	101,618.49	3,229,932.27	753,753.55	4,974,626.02
08/08/19	INTEREST	619.86							619.86	824,262.58	65,059.13	101,618.49	3,229,932.27	754,373.41	4,975,245.88
08/09/19	ELECTRONIC BILL PAY		3,363.39							820,899.19	65,059.13	101,618.49	3,229,932.27	754,373.41	4,971,882.49
08/09/19	DEPOSIT - CVSD	134,780.33								955,679.52	65,059.13	101,618.49	3,229,932.27	754,373.41	5,106,662.82
08/12/19	PAYROLL TRANSFER				20,000.00					935,679.52	85,059.13	101,618.49	3,229,932.27	754,373.41	5,106,662.82
08/12/19	INTEREST	299.18							299.18	935,679.52	85,059.13	101,618.49	3,229,932.27	754,672.59	5,106,962.00
08/14/19	PAYROLL			16,832.83						935,679.52	68,226.30	101,618.49	3,229,932.27	754,672.59	5,090,129.17
08/14/19	INTEREST	69.86							69.86	935,679.52	68,226.30	101,618.49	3,229,932.27	754,742.45	5,090,199.03
08/15/19	DISBURSEMENT		136,373.01							799,306.51	68,226.30	101,618.49	3,229,932.27	754,742.45	4,953,826.02
08/23/19	DEPOSIT - HARD	10,000.00								809,306.51	68,226.30	101,618.49	3,229,932.27	754,742.45	4,963,826.02
08/26/19	PAYROLL TRANSFER				20,000.00					789,306.51	88,226.30	101,618.49	3,229,932.27	754,742.45	4,963,826.02
08/27/19	DEPOSIT - CITY OF HAYWARD	46,575.00								835,881.51	88,226.30	101,618.49	3,229,932.27	754,742.45	5,010,401.02
08/29/19	DISBURSEMENT		50,702.08							785,179.43	88,226.30	101,618.49	3,229,932.27	754,742.45	4,959,698.94
08/29/19	PAYROLL			19,963.57						785,179.43	68,262.73	101,618.49	3,229,932.27	754,742.45	4,939,735.37
08/30/19	INTEREST	1.78			1.78					785,179.43	68,264.51	101,618.49	3,229,932.27	754,742.45	4,939,737.15
08/30/19	INTEREST	2.59				2.59				785,179.43	68,264.51	101,621.08	3,229,932.27	754,742.45	4,939,739.74
08/30/19	ELECTRONIC BILL PAY - PG&E		32,994.59							752,184.84	68,264.51	101,621.08	3,229,932.27	754,742.45	4,906,745.15
08/30/19	INTEREST	22.51								752,207.35	68,264.51	101,621.08	3,229,932.27	754,742.45	4,906,767.66
08/30/19	INTEREST	161.37							161.37	752,207.35	68,264.51	101,621.08	3,229,932.27	754,903.82	4,906,929.03
08/30/19	DIVIDEND	96.64							96.64	752,207.35	68,264.51	101,621.08	3,229,932.27	755,000.46	4,907,025.67
TOTAL		192,629.12	265,919.76	36,796.40	40,001.78	2.59	-	-	1,246.91	752,207.35	68,264.51	101,621.08	3,229,932.27	755,000.46	4,907,025.67
CURRENT BALANCE										<sup>①</sup>	<sup>②</sup>	<sup>③</sup>	<sup>④</sup>	<sup>⑤</sup>	
Reconciliation															
<sup>①</sup>	Per Bank Statement @08/31/19	\$	802,427.99												
	Less: Outstanding Checks		50,220.64												
		\$	752,207.35												
<sup>②</sup>	Per Bank Statement @08/31/19	\$	68,264.51												
<sup>③</sup>	Per Bank Statement @08/31/19	\$	101,621.08												
<sup>④</sup>	Per LAIF Statement @08/31/19	\$	3,229,932.27												
<sup>⑤</sup>	Per Treasurer's Report @08/31/19	\$	755,000.46												
	Fair Market Value Increase/Decrease		637.30												
	Per Investment Statement @08/31/19	\$	755,637.76												

The Supplemental Treasurer's Report is prepared monthly by the General Manager. It also serves as EBDA's cash and investments reconciliation.

# CD PORTFOLIO

Institution	Description	Purchase Date	Maturity Date	Estimated Annual Yield	Quantity	Current Market Value
ALLY BANK	ALLY BANK CD MIDVALE UT ACT/365 FDIC INSURED CPN 1.350% DUE 11/04/19 DTD 11/03/16 FC 05/03/17	11/3/2016	11/04/2019	1.35%	50,000	49,920.50
ALLY BANK	ALLY BANK CD MIDVALE UT ACT/365 FDIC INSURED CPN 1.600% DUE 12/16/19 DTD 12/15/16 FC 06/15/17	12/15/2016	12/16/2019	1.60%	50,000	49,953.00
<b>ALLY BANK Total</b>						99,873.50
BARCLAYS BANK	BARCLAYS BANK CD WILMINGTON DE ACT/365 FDIC INSURED CPN 1.950% DUE 09/21/20 DTD 09/20/17 FC 03/20/18 CUSIP 06740KKU0	9/20/2017	9/21/2020	1.94%	50,000	50,110.00
<b>BARCLAYS BANK Total</b>						50,110.00
CAPITAL ONE BK USA NA	CAPITAL ONE BK USA NA CD GLEN ALLEN VA ACT/365 FDIC INSURED CPN 1.750% DUE 01/13/20 DTD 01/11/17 FC 07/11/17	1/11/2017	1/13/2020	1.75%	50,000	49,973.00
CAPITAL ONE BK USA NA	CAPITAL ONE BK USA NA CD GLEN ALLEN VA ACT/365 FDIC INSD CPN 2.000% DUE 11/02/20 DTD 11/01/17 FC 05/01/18 CUSIP 1404206A3	11/1/2017	11/2/2020	1.99%	50,000	50,147.00
<b>CAPITAL ONE BK USA NA Total</b>						100,120.00
CITIBANK NA	CITIBANK NA CD SIOUX FALLS SD ACT/365 FDIC INSD CPN 2.900% DUE 05/24/21 DTD 05/23/18 FC 11/23/18 CUSIP 17312QM22	5/23/2018	5/24/2021	2.84%	50,000	50,956.00
<b>CITIBANK NA Total</b>						50,956.00
COMENITY BANK	COMENITY BANK CD WILMINGTON DE ACT/365 JUMBO CD FDIC INSURED CPN 1.900% DUE 8/31/20 DTD 8/30/17 FC 9/30/17 CUSIP 99000PTY2	8/30/2017	8/31/2020	1.90%	100,000	99,898.00
<b>COMENITY BANK Total</b>						99,898.00
DISCOVER BANK	DISCOVER BANK CD GREENWOOD DE ACT/365 FDIC INSURED CPN 1.800% DUE 03/02/20 DTD 03/01/17 FC 09/01/17 CUSIP 2546723K2	3/1/2017	3/2/2020	1.80%	50,000	49,985.00
<b>DISCOVER BANK Total</b>						49,985.00
GOLDMAN SACHS BK USA	GOLDMAN SACHS BK USA CD NEW YORK NY ACT/365 FDIC INSURED CPN 1.900% DUE 06/22/20 DTD 06/21/17 FC 12/21/17	6/21/2017	6/22/2020	1.89%	3,000	3,003.54
<b>GOLDMAN SACHS BK USA Total</b>						3,003.54
KEY BANK NA	KEY BANK NA CD CLEVELAND OH ACT/365 FDIC INSURED CPN 1.750% DUE 04/13/20 DTD 04/12/17 FC 10/12/17	4/12/2017	4/13/2020	1.75%	50,000	49,981.00
<b>KEY BANK NA Total</b>						49,981.00

# CD PORTFOLIO

Institution	Description	Purchase Date	Maturity Date	Estimated Annual Yield	Quantity	Current Market Value
LAKESIDE BANK	LAKESIDE BANK CD CHICAGO IL ACT/365 FDIC INSURED CPN 1.750% DUE 02/14/20 DTD 07/14/17 FC 08/14/17 CUSIP 51210SNL7	7/12/2017	2/14/2020	1.75%	47,000	46,973.68
<b>LAKESIDE BANK Total</b>						46,973.68
MORGAN STANLEY BK NA	MORGAN STANLEY BK NA CD SALT LAKE CTY UT ACT/365 FDIC INSD CPN 2.500% DUE 02/08/21 DTD 02/08/18 FC 08/08/18 CUSIP 61747MJ93	1/30/2018	2/8/2021	2.47%	50,000	50,526.50
MORGAN STANLEY BK NA	MORGAN STANLEY BK NA CD SALT LAKE CTY UT ACT/365 FDIC INSD CPN 2.800% DUE 04/05/21 DTD 04/05/18 FC 10/05/18 CUSIP 61747MS69	4/5/2018	4/5/2021	2.75%	50,000	50,808.50
<b>MORGAN STANLEY BK NA Total</b>						101,335.00
<b>Grand Total</b>						652,235.72
<b>Average Estimated Annual Yield</b>				1.98%		

**ITEM NO. FM6 EAST BAY COMMUNITY ENERGY PLAN OPTIONS**

**Recommendation**

Provide direction to staff on any recommended changes to the Authority's energy plan selections.

**Background**

In 2018, East Bay Community Energy (EBCE) began providing electric energy service to Alameda County customers. EBCE is a new public agency formed by the County of Alameda and eleven of its cities. The goals of EBCE are to provide cleaner, greener energy than PG&E at lower rates to customers. EBCE will reinvest earnings back into the community to create local green energy jobs, local programs, and clean power projects.

EBCE offers three plans, which are summarized in the table below.

Bright Choice	1.5% Discount from PG&E rates	85% carbon free and of that, 38% renewable
Brilliant 100	Same rate as PG&E	100% carbon free, 40% renewable
Renewable 100	\$0.01 per kWh above PG&E rates	100% renewable

Enrollment in EBCE plans happened automatically in November 2018. EBCE enrolled the accounts for EBDA facilities in plans consistent with the plans selected by the cities in which those facilities reside. The facilities located in San Leandro and San Lorenzo - MDF, SLEPS, and OLEPS – are on the Bright Choice Plan. HEPS is on the Brilliant 100 Plan, as chosen by Hayward. EBDA does not have an account for AEPS; we are billed through USD.

**Discussion**

Staff is seeking Committee direction on the preferred plan for EBDA facilities. In 2018/19, EBDA spent \$387k on the electricity at MDF, SLEPS, HEPS, and OLEPS. Based on 2018/19 energy usage, staff estimates that enrolling all four facilities in the Brilliant 100 Plan – that is switching MDF, SLEPS, and OLEPS to Brilliant 100 and keeping HEPS on that plan – would result in an annual cost increase of approximately \$2k. Moving all four facilities to the Renewable 100 Plan would result in an increase of approximately \$24k per year from baseline.

**ITEM NO. FM7 REVIEW OF ANNUAL CERBT FUND STATEMENT FOR FISCAL YEAR ENDING JUNE 30, 2019**

**Recommendation**

This report is for the Committee's information only and no action is required.

**Background**

On April 21, 2011, the EBDA Commission approved an agreement with CalPERS to participate in its California Employers Retiree Benefit Trust (CERBT) Fund to pre-fund retiree health benefits. The fund operates much like the PERS pension fund in that it is designed to increase the value of employer contributions through investment earnings.

On June 30, 2019, the CERBT Fund balance was \$220,289.79. The Authority's CERBT statement is attached for the Committee's review, and key figures are presented in the table below.

CERBT Account Summary as of June 30, 2019 Since Inception	
Total Contributions (Initial contribution made on 6/17/2011)	\$159,822.36
Total Disbursements	-
Total CERBT Expenses	(\$889.86)
Total Investment Earnings	\$61,357.29
Ending Balance	\$220,289.79
Current Asset Allocation Strategy Selection	CERBT Strategy 1

Earlier this year, the Commission directed that each agency, on a timeline of its choice, would pre-pay the their proportionate share of the Authority's OPEB and pension funds to reach target funding ratios of 80% for OPEB (per adopted policy) and 95% for pension (per policy proposed in Item No. FM8). The goal is to pre-fund these retirement obligations to the target ratios under the allocations in the current JPA prior to the new JPA allocations taking effect next year. Each agency subsequently elected to handle the pre-payment as a lump sum. Staff will bring the current funded ratio along with dollar values for those lump sum payments to the Committee for review in the coming months.



# East Bay Dischargers Authority

CERBT Strategy 1

Entity #: SKB0-5860828298

Quarter Ended June 30, 2019



## Market Value Summary:

	QTD Current Period	Fiscal Year to Date
Beginning Balance	\$213,392.48	\$207,564.02
Contribution	0.00	0.00
Disbursement	0.00	0.00
Transfer In	0.00	0.00
Transfer Out	0.00	0.00
Investment Earnings	6,942.93	12,902.82
Administrative Expenses	(26.38)	(102.14)
Investment Expense	(19.24)	(74.91)
Other	0.00	0.00
Ending Balance	\$220,289.79	\$220,289.79
FY End Contrib per GASB 74 Para 22	0.00	0.00
FY End Disbursement Accrual	0.00	0.00
Grand Total	\$220,289.79	\$220,289.79

## Unit Value Summary:

	QTD Current Period	Fiscal Year to Date
Beginning Units	13,075.144	13,075.144
Unit Purchases from Contributions	0.000	0.000
Unit Sales for Withdrawals	0.000	0.000
Unit Transfer In	0.000	0.000
Unit Transfer Out	0.000	0.000
Ending Units	13,075.144	13,075.144
Period Beginning Unit Value	16.320477	15.874695
Period Ending Unit Value	16.847987	16.847987

Please note the Grand Total is your actual fund account balance at the end of the period, including all contributions per GASB 74 paragraph 22 and accrued disbursements. Please review your statement promptly. All information contained in your statement will be considered true and accurate unless you contact us within 30 days of receipt of this statement. If you have questions about the validity of this information, please contact CERBT4U@calpers.ca.gov.

**ITEM NO. FM8 RESOLUTION ADOPTING THE AUTHORITY'S PENSION FUNDING POLICY**

**Recommendation**

Approve the resolution adopting the Authority's Pension Funding Policy.

**Background**

Authority staff is in the process of reviewing and updating the Authority's Financial Management System Policy and Procedure Manual. Each section will become a stand-alone Authority Policy, and procedures will be moved to separate staff documents. The Authority did not previously have a Pension Funding Policy. At its July 2019 meeting, the Committee suggested that staff prepare a draft Pension Funding Policy, similar to the OPEB Policy adopted earlier this year. The Committee reviewed the Draft Pension Funding Policy at its August 2019 meeting and did not recommend any changes.

**Discussion**

As discussed in Item No. FM7, earlier this year, the Commission directed that each agency, on a timeline of its choice, would pre-pay the their proportionate share of the Authority's OPEB and pension funds to reach target funding ratios of 80% for OPEB and 95% for pension. The Commission formally adopted the 80% target funding ratio for OPEB on April 18, 2019 as part of the Authority's OPEB Policy. The Committee reviewed a draft of the Pension Funding Policy, which captures the 95% funding target, in August 2019. As there were no recommended changes, staff is proposing the Policy for adoption.

**POLICY NUMBER:** 1.6

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**NAME OF POLICY:** Finance – Pension Funding

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**LAST REVISED:** September 19, 2019

**PREVIOUSLY REVISED:** NA

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**PURPOSE:** The purpose of the Pension Funding Policy is to ensure that the Authority's Pension Plan is sustainably funded over the long term.

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**POLICY:** It is the policy of the Authority to provide pension benefits to its retirees through the California Public Employees' Retirement System (CalPERS). In order to provide for the long-term cost of the benefits promised to participants and ensure that the pension benefits are adequately funded, the Authority's funded ratio target shall be 95% or higher.

The Authority shall make annual contributions to CalPERS based on the actuarially determined amount calculated annually by CalPERS. Additional funds may be contributed to the trust based on annual budgetary analysis.

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

RESOLUTION NO. 19-37

INTRODUCED BY \_\_\_\_\_

**RESOLUTION ADOPTING THE AUTHORITY'S  
PENSION FUNDING POLICY**

**WHEREAS**, the East Bay Dischargers Authority (Authority) is a Joint Powers Agency that has the fiduciary responsibility to manage funds and assets of its member agencies; and

**WHEREAS**, it is the policy of the Authority to provide pensions to its retirees through CalPERS; and

**WHEREAS**, the Authority is adopting by policy a target funding ratio for its pension liability; and

**WHEREAS**, the Authority shall make an annual contribution to the Pension Plan based on the applicable CalPERS Actuarial Valuation Report. Additional funds may be contributed to the Pension Plan based on annual budgetary analysis; and

**WHEREAS**, the Pension Funding Policy has been reviewed by the Financial Management Committee and is recommended for approval by the Commission.

**NOW, THEREFORE, BE IT RESOLVED**, the Commission of the Authority hereby adopts revisions to the Pension Funding Policy attached hereto.

**SAN LORENZO, CALIFORNIA, SEPTEMBER 19, 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**



EAST BAY DISCHARGERS AUTHORITY  
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*A Joint Powers Public Agency*

**ITEM NO. 13**

**REGULATORY AFFAIRS COMMITTEE  
AGENDA**

**Wednesday, September 18, 2019  
9:00 a.m.**

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

**Committee Members: Johnson (Chair); Cutter**

**RA1. Call to Order**

**RA2. Roll Call**

**RA3. Public Forum**

**RA4. Status Report – NPDES Report**

(The Committee will review NPDES Permit compliance data for July 2019.)

**RA5. Toxicity Update**

(The Committee will discuss recent toxicity test results and upcoming regulatory changes.)

**RA7. 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 [kyambao@ebda.org](mailto: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 posted on the East Bay Dischargers Authority website located at <http://www.ebda.org>.)

**The next Regulatory Affairs Committee meeting is scheduled for  
Wednesday, October 16, 2019, at 9:00 a.m.**

## ITEM NO. RA4 STATUS REPORT – NPDES PERMIT

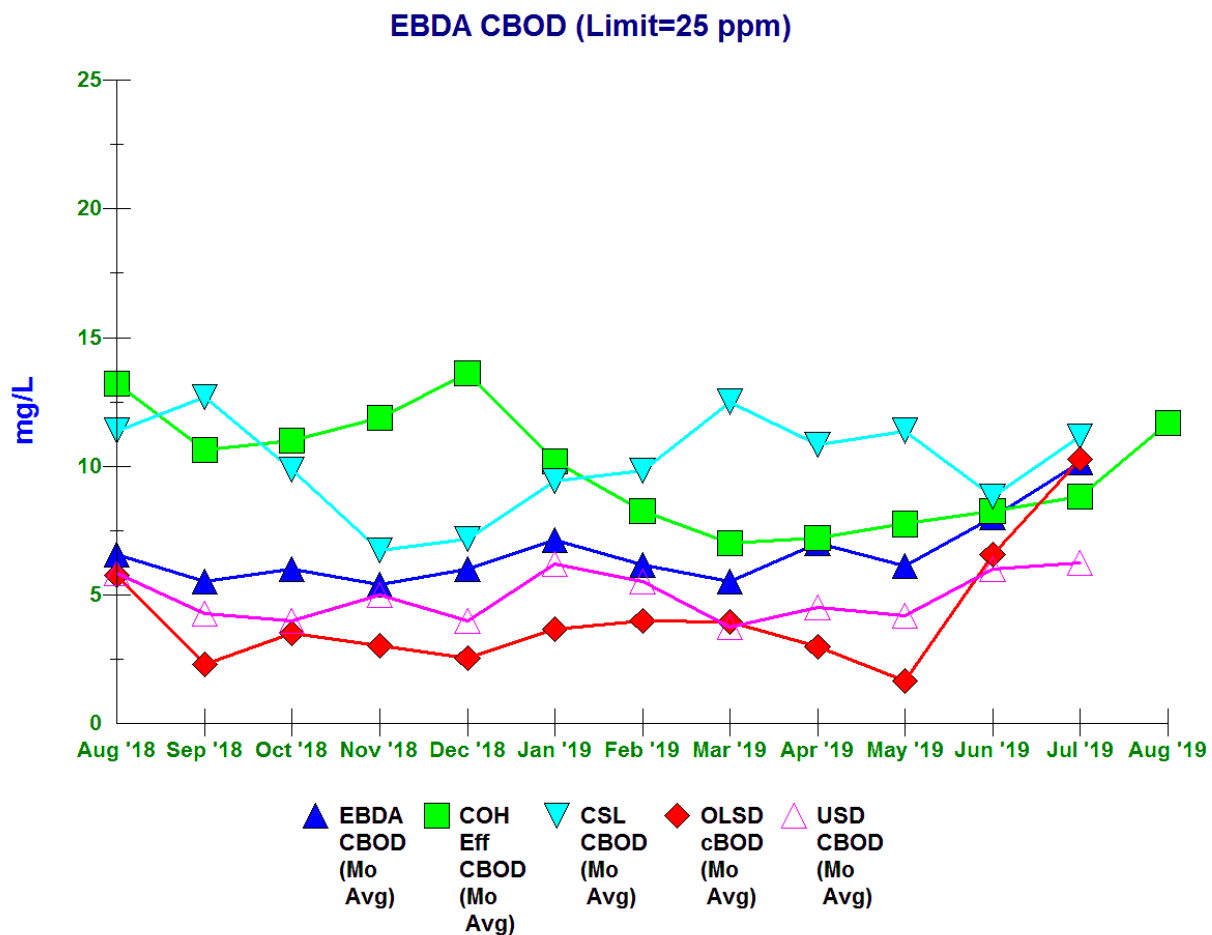
### Recommendation

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

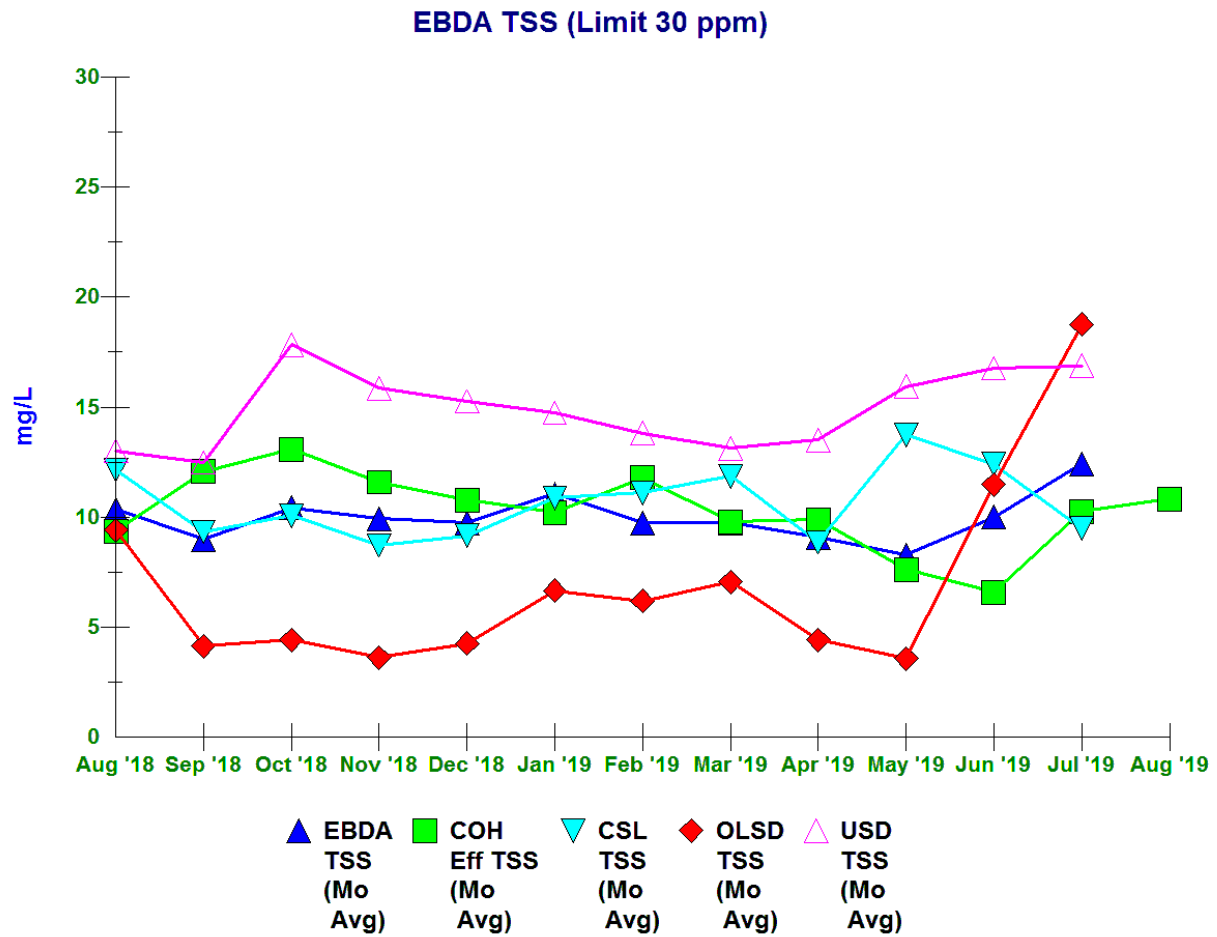
### Permit Compliance Issues

There were no NPDES permit violations in July and preliminary data from August are also free of permit exceedances. Member Agency CBOD and TSS performance are shown below. A table with bacterial indicators is also included.

As noted previously, bacterial regrowth tends to accelerate as the weather warms in the summer months, and EBDA did experience several three-digit results for fecal coliform in August. Staff has kept chlorine dosing high to ensure that additional high bacteria results are not detected. 90<sup>th</sup> percentile values and geometric means that determine compliance remain well under effluent limits. Complete results are shown in the table below.



EBDA CBOD



EBDA Eff TSS

## EBDA Bacterial Indicators

	FECAL	ENTERO
Date	MPN/ 100mL	MPN/ 100mL
Limit (Geomean)	500	240
Jan 2019, Geomean	<b>6</b>	<b>3</b>
Feb 2019, Geomean	<b>3</b>	<b>3</b>
Mar 2019, Geomean	<b>7</b>	<b>2</b>
April 2019, Geomean	<b>7</b>	< <b>2</b>
May 2019, Geomean	<b>14</b>	<b>2</b>
June 2019, Geomean	<b>16</b>	<b>3</b>
7/1/2019	5	< 2
7/2/2019	4	< 2
7/3/2019	17	2
7/8/2019	6	< 2
7/9/2019	13	2
7/15/2019	22	< 2
7/16/2019	23	210
7/22/2019	2	< 2
7/23/2019	2	< 2
7/29/2019	10	< 2
7/30/2019	61	< 2
July 2019, Geomean	<b>9</b>	< <b>3</b>
8/5/2019	29	2
8/6/2019	79	< 2
8/7/2019	110	4
8/12/2019	12	< 2
8/13/2019	17	62
8/14/2019	13	< 2
8/19/2019	4	< 2
8/20/2019	22	< 2
8/21/2019	130	4
8/26/2019	62	< 2
8/27/2019	79	4
August 2019, Geomean	<b>32</b>	< <b>3</b>



## ITEM NO. RA5 TOXICITY UPDATE

### **Recommendation**

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

### **Background**

EBDA's NPDES permit requires periodic monitoring of acute and chronic whole effluent toxicity. Toxicity is assessed via bioassay, by exposing live organisms of a sensitive species – in EBDA's case, fathead minnows – to effluent in different concentrations and measuring mortality and growth. The goal of toxicity testing is to ensure there are no synergistic toxic effects of the constituents in effluent or toxicity caused by constituents that are not otherwise regulated. EBDA's toxicity testing is performed by a contract lab, Pacific EcoRisk (PER), which performs similar testing for many permittees across the state.

EBDA's current NPDES permit has effluent limitations for acute toxicity. EBDA must comply with an 11-sample median value of not less than 90% survival, and an 11-sample 90<sup>th</sup> percentile value of not less than 70% survival. The current permit does not contain effluent limits for chronic toxicity, but rather requires accelerated monitoring and potentially initiation of a toxicity reduction evaluation if certain triggers are exceeded.

Under EBDA's permit, the Authority is permitted to extract 96-hour survival data from the chronic test to evaluate acute toxicity; performing separate tests is not required. EBDA had been required to perform bioassay tests bi-monthly. However, following one year of results under acute toxicity effluent limitations and chronic toxicity triggers, the Authority was allowed to reduce testing frequency to quarterly.

This report will summarize the results of August's bioassay tests and follow-up testing, as well as changes that are proposed to the state's toxicity provisions.

### **Discussion**

#### August Toxicity Results

PER performed bioassay testing on EBDA effluent on samples collected the first week of August. Though chronic toxicity showed significant reductions in survival and growth, the results were well under chronic toxicity triggers. However, the 96-hour survival data extracted from the chronic test resulted in an acute toxicity survival rate of 47.5%. Because compliance is based on an 11-sample median and 90<sup>th</sup> percentile value, one departure does not constitute a violation. However, to comply with follow-up testing requirements in the permit and to better understand the potential toxicity issue, several follow-up tests were conducted.

In describing the acute toxicity effluent limit, the permit states, "If the Discharger can demonstrate that toxicity exceeding the levels cited above is caused by ammonia and that ammonia in the discharge complies with the ammonia effluent limits in Table 5 of this Order, then such toxicity shall not constitute a violation of this effluent limitation." EBDA's effluent ammonia result per Caltest's analysis for the period during which the bioassay was conducted was 38 mg/L, well below the maximum daily effluent limit in Table 5 of 120 mg/L. However, PER suspected that the observed toxicity could be caused by ammonia coupled with the use of younger more sensitive fish than required for the acute toxicity protocol. Their supposition

stemmed from the ammonia concentrations they observed during the test, plus other factors contributing to ammonia toxicity such as pH drift. Samples are buffered and adjusted to pH 7.3 to reduce ammonia interference, but there was evidence of drifting during the test.

To demonstrate that the low survival rate was caused by ammonia and that this result did not constitute a threatened violation, a follow-up Toxicity Identification Evaluation (TIE) test was conducted using the same samples from the original test. The results are summarized in the table below:

<b>TIE treatment</b>	<b>% Survival</b>	<b>Effects of TIE on baseline</b>
Un-treated baseline sample	0%	Sample is toxic
Ammonia removal via Zeolite	95%	Toxicity is removed
Ammonia add-back	0%	Toxicity is recovered

This series of experiments indicates that ammonia was the likely cause of the initially observed toxicity.

At the same time, to comply with permit provisions stating that “if results of an acute bioassay test indicated a violation or threatened violation (e.g. the percentage of surviving test organisms is less than 70 percent), the Discharger shall initiate a new test as soon as practical,” San Leandro staff arranged for a follow-up test when the initial results were received. To satisfy the requirements of the chronic toxicity method, PER uses fish less than 48 hours old for EBDA’s chronic toxicity testing. For the acute toxicity protocol, 1-14 day-old fish can be used. By combining the acute and chronic tests, EBDA saves time and money; however, it does lead to acute testing being performed on younger, more sensitive fish than would otherwise be required. The acute bioassay follow-up test conducted in the same month of August with new samples was performed using 11-day-old fish to lessen the ammonia sensitivity issue. The result of the follow-up test was 97.5% survival.

Since the test fish survival rate was >90% and the Authority investigated the causes of the mortality and found it to be ammonia, compliance with toxicity requirements as specified in the permit have been satisfied for this monitoring period.

The results of these follow-up tests will be detailed in EBDA’s August monthly report to the Regional Water Board. Staff is also working with PER to assess the benefits of running two discrete chronic and acute tests going forward.

#### State Water Board Toxicity Provisions

Since 2012, State Water Resources Control Board staff has been working on policy changes to the way toxicity requirements are implemented in permits. In October 2018, they released a formal draft of revisions to the *Water Quality Control Plan for Inland Surface Waters, Enclosed Bays, and Estuaries of California*. Further revisions were made in the most recent July 2019 version. The provisions in this document would overwrite toxicity-related provisions in regional Basin Plans and mandate certain changes in the way toxicity is regulated in permits. The most significant changes from current practice are as follows:

- **Mandatory effluent limits for chronic toxicity.** As noted above, historically, and in EBDA's current permit, wastewater must be routinely monitored for toxicity, but failure of a chronic toxicity test is not considered a violation of the permit because there is not an effluent limit for toxicity. Rather, failure of a toxicity test leads to increased monitoring and an evaluation process for determining the source of the toxicity. Under the new provisions, all municipal wastewater dischargers over 5 MGD are considered to have reasonable potential to cause water quality impairment, and therefore they will have toxicity effluent limits. This means that every failed test will now be a violation of the permit, open to enforcement action. The new provisions do give Regional Water Boards the discretion not to include effluent limits for acute toxicity, which San Francisco Bay Water Board staff has indicated they would exercise.
- **Required use of the Test of Significant Toxicity (TST).** Chronic toxicity testing is currently performed by establishing a dose-response curve, looking at the health of the organisms in different concentrations of wastewater effluent relative to control water. The results of the test are reported in terms of the % survival of organisms at different effluent concentrations, as well as other endpoints such as growth of the organisms. In lieu of this method, the new provisions will require use of a statistical analysis called the TST. The TST is a bright line pass/fail result that analyzes the number of organisms that survive at a particular effluent concentration known as the in-stream waste concentration. This concentration represents the expected concentration of effluent in the receiving water, taking into account dilution. The wastewater industry has raised a number of concerns about the use of the TST for compliance purposes, including the fact that the test method has not been formally promulgated by EPA, and that compared to the historical approach, the TST yields more false positive results.

In order to assess the effects of the proposed changes on EBDA's NPDES compliance going forward, staff engaged PER in 2018 to evaluate EBDA's historic chronic toxicity data using the TST statistical analysis. The results were provided in a Technical Memorandum included with the Committee's December 2018 agenda. Based on statements by Regional Water Board staff, it is expected that EBDA's in-stream waste concentration would be established based on the 79:1 dilution granted for our deep water outfall. This means that the TST would be performed with just 1.3% effluent, making it highly unlikely that toxicity would ever be seen. Out of an abundance of caution, PER's analysis was done using 10% effluent. At that level, the five years of data analyzed showed a 100% pass rate. This analysis demonstrates that the likelihood of EBDA violating its toxicity effluent limit under the new provisions is very low. It also establishes that EBDA would qualify for reduced monitoring allowed for under the provisions.

- **Sensitive Species Screening.** As part of every permit cycle, each discharger must conduct a screening to identify the most sensitive species to their effluent. That species is then used for bioassays during the permit term. Several years ago, the Regional Water Board adopted an Alternate Monitoring and Reporting Program that allows dischargers to contribute to the Regional Monitoring Program (RMP) in lieu of conducting a sensitive species screening if the characteristics of their effluent have not changed. Currently, the RMP gets approximately \$180K per year from agencies avoiding paying for sensitive species screening. The proposed toxicity provisions require a new screening scheme and will not allow agencies to use results from the previous scheme. The resulting effect is that

agencies will now be incentivized to conduct the screening rather than pay the RMP. This effect will diminish the valuable work the RMP can accomplish in terms of truly evaluating the trends of toxic substances in the Bay. BACWA is working with Regional and State Water Board staff to try to resolve this issue.

The provisions are currently scheduled for December adoption and then would be incorporated in EBDA's next NPDES permit in 2022.



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**ITEM NO. 14**

**OPERATIONS & MAINTENANCE COMMITTEE AGENDA**

**Tuesday, September 17, 2019**

**9:00 A.M.**

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

**Committee Members: Cutter (Chair); 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. 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.)

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**The next O&M Committee meeting will be held  
Tuesday, October 15, 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 July permit compliance data.**

**ITEM NO. OM5 STATUS REPORT**

**Alvarado Effluent Pump Station (AEPS)**

**Pump Cavitation Study & Station Optimization**

On July 24, 2019, EBDA had a conference call with Carollo Engineers, Inc. (Carollo) to discuss Carollo's preliminary Cavitation Study findings. The Draft Cavitation Study Project Memorandum is expected shortly.

**Hayward Effluent Pump Station (HEPS)**

**Motor Control Center (MCC) Replacement Project**

On August 28, 2019, PG&E completed installation of the new electrical service to HEPS. PG&E delivered and set a new transformer on the pad provided by GSE Construction, Inc. (GSE). New cables were pulled from the existing PG&E pullbox to the transformer, and from the transformer to the new MCC. During the shutdown, PG&E disconnected power to the pump station and the City of Hayward (COH) Hypo Facility and connected the new cables. After the connections were made, PG&E successfully energized the pump station and Hypo Facility. On September 2, 2019, PG&E removed the old pump station transformer, which will allow GSE to continue installation of the new pond influent flow dissipater structure piping from the pump station.

Prior to the shutdown, the COH disinfection channel was drained using the temporary pump station pond diversion pipe. The draining lowered the level in the wet well and allowed COH to perform an entry and visual wet well inspection while the pump station was shut down for PG&E's work. The inspection revealed a crack in the ceiling of the wet well, but most of the structure appeared to be in good condition. Photos of the crack were sent to a Brown & Caldwell structural engineer. The engineer's assessment was that the crack has likely been present from initial construction and does not pose an immediate concern of a structural failure. The engineer did recommend that the crack be addressed in the future to prevent further damage to the rebar in the slab. EBDA staff is discussing with COH staff the possibility of piggybacking this work the next time the City is doing a similar project.

During the PG&E shutdown, GSE also replaced the 20-inch butterfly valve, installed the new valve actuator, and removed the check valve on the Pump No. 1 discharge line. GSE also replaced two 6-inch plug valves on the Surge Tower drain and scum lines.

Central Sierra Electric (Central Sierra) and KBL Associates were on site during and after the PG&E shutdown to test the backup generator and automatic transfer switch. Central Sierra also connected the power and signal wires to the existing Pump No. 1 and the new discharge valve actuator. They worked with Calcon Systems, Inc. (Calcon) and COH staff to check communications to the new Programmable Logic Controller (PLC) and to confirm the new pump station program was performing properly.

On September 5, 2019, a second shutdown was performed to replace the discharge valve and actuator on Pump No. 2. The pump station is now operating automatically with two pumps being controlled by the new PLC and the new MCC.

### **Oro Loma Effluent Pump Station (OLEPS)**

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

The installation of the new discharge valve gear drives and actuators for No. 1 & 4 Effluent Pumps is scheduled for the weeks of September 16 & 23, 2019. The installation is scheduled during the normal dry weather wet well preventative maintenance activities.

#### **Electrical Improvements**

EBDA staff has been working with ASCO Power Technologies (ASCO) and Beecher Engineering, Inc. (Beecher) on a quote for two new automatic transfer switches (ATS)s to provide an automatic transfer to a second source of standby power for OLEPS such as a portable generator. All of EBDA's existing ATSs are from ASCO.

EBDA staff is continuing to work with Beecher to evaluate options for standby power at OLEPS, with a goal of increasing reliability by augmenting the existing OLEPS standby generator. EBDA has requested that Beecher prepare a report outlining the OLEPS standby power requirements and whether OLSD could provide the required standby power. This option was discussed at the start of OLSD Nutrient Optimization Project and was rejected at the time over concerns that OLSD's standby power was nearing its maximum capacity. On August 28, 2019, a conference call was held with the staffs from EBDA, OLSD and Beecher, on which Beecher presented information that indicates that the option may be feasible. For this option to work, conduits will need to be installed between OLSD's new Blower Building and OLEPS. This area is scheduled to be paved shortly as part of the Nutrient Optimization Project, and the conduits will need to be installed prior to the paving.

### **Exterior Lighting Upgrade**

On August 20, 2019, additional exterior lighting was installed on the Southwest side of OLEPS. A total of five new LED light fixtures were installed on the wall and above the stairs to the lower level. The lighting improvements addressed safety concerns raised by OLSD operations staff.

### **San Leandro Effluent Pump Station (SLEPS)**

No change; all equipment is operational.

### **Skywest Pump Station**

#### **Recycled Water Production**

During the month of August 2019, the Skywest Recycled Water System produced 10.3 million gallons of recycled water.

#### **Lighting Upgrade**

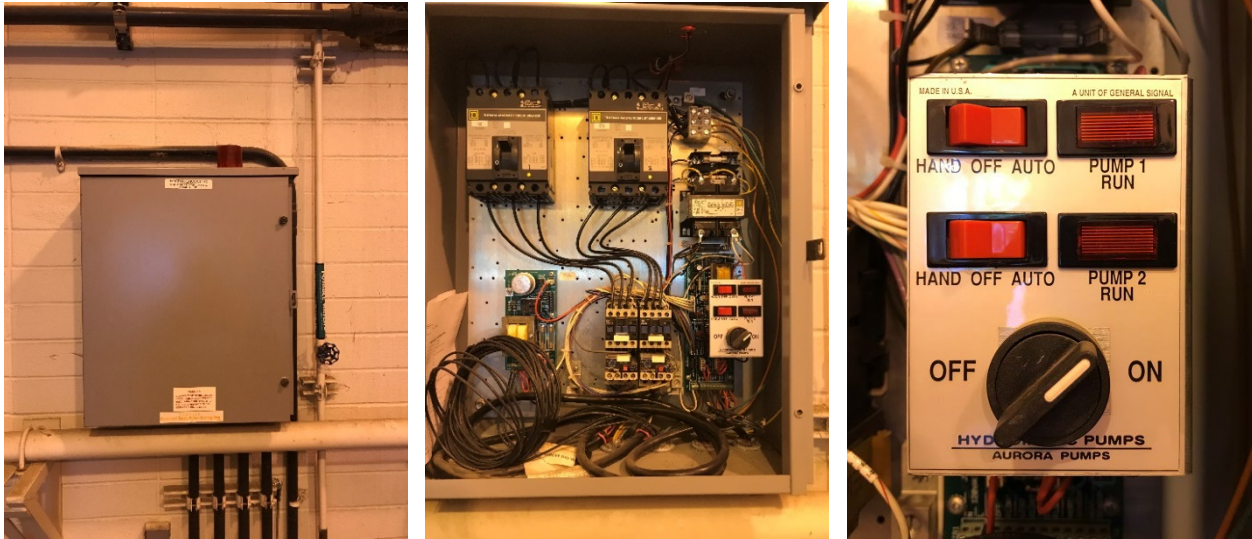
On August 21, 2019, the lighting at the Skywest Pump Station was replaced with four new LED light fixtures. The old light fixtures were originally installed when the pump station was constructed. The light fixture replacements addressed safety concerns raised by OLSD operations staff.

### **Marina Dechlorination Facility (MDF)**

#### **SBS Building Sump Pump Control Panel Upgrade**

The Facilities Electrical Evaluation identified a safety issue related to the SBS building sump pump control panel. To operate the sump pumps manually, staff was required to open the panel to access the “Hand, Off, Auto” switches and run indicator lights. Opening the panel exposed the staff to live voltage. The panel was originally designed this way when it was installed, and in fact this was a common design in the past. Following the recommendation in the Facilities Electrical Evaluation Report, Calcon moved the “Hand, Off, Auto” switches and run indicator lights to the outside of the panel, thus eliminating the safety issue.





MDF SBS Building Sump Pump Control Panel – Before Upgrade



MDF SBS Building Sump Pump Control Panel – After Upgrade

## **Force Main**

### **Rain Water Entering Manholes**

EBDA staff has been working with the City of San Leandro (CSL) force main crew to locate and address the issue of rain water entering manholes from the surface. One such manhole was located behind a warehouse on Cabot Boulevard in Hayward. EBDA received a USA ticket indicating that a contractor was going to conduct patch asphalt repairs in the area of the EBDA force main behind the warehouse. After meeting with the contractor, he agreed to address the issue of surface rain water entering the EBDA manhole and redirect the water to a nearby surface drain.

## **Operations Center**

### **Cyber Security**

On August 13, 2019, EBDA staff provided comments to Woodard & Curran on the Draft IT/SCADA System Cybersecurity Vulnerability Assessment Report. The Final Report is expected shortly. The first Quarterly Network Security Management & Coordination meeting is scheduled for October 8, 2019. The meeting will be attended by EBDA, OLSD, Woodard & Curran, Calcon (EBDA's SCADA consultant) and Cayuga Information Systems (EBDA's business IT consultant). The meeting objectives are to establish communication channels, develop a common understanding of upcoming projects and potential interactions, and outline the future network architecture. The agenda for the first meeting includes discussion of network security and remote access issues for EBDA's new SCADA system and EBDA's communication system upgrade.

### **SCADA System Upgrade Project**

On August 12, 2019, EBDA staff started using the new SCADA system. Calcon still has several items to address before the project is completed. The outstanding items include installing the new system at MDF and completing the report-generating component. The SCADA view-only client is now online. Currently, only EBDA staff has the ability to view it. After network security issues are addressed, the client will be viewable by Member Agency staff and on-call Operators.

### **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. On August 21, 2019, three new ethernet radios were installed, one on the HEPS Surge Tower, one on the OLEPS Surge Tower, and one at the Operations Center. This project will be paid for out of RRF contingency funds, and 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 fiscal years. EBDA's AMP lists the project in the year 2021.

## **Miscellaneous Items**

### **Underground Service Alerts**

EBDA received twenty-seven (27) Underground Service Alert (USA) tickets during the month of August 2019. Four required field verification.

## **Special Projects**

### **Transport System Seismic Reliability Plan**

On September 3, 2019, Brown & Caldwell (BC) submitted a preliminary draft of the Transport System Seismic Reliability Plan. The draft permitting section had previously been forwarded to Kermani Consulting Group to be incorporated in EBDA's Disaster Cost Recovery Plan. Staff is reviewing the full Draft Transport System Seismic Reliability Plan and providing feedback to BC.

### **EBDA Facilities Electrical Evaluation**

On August 23, 2019, EBDA staff met with Todd Beecher from Beecher Engineering, Inc. to provide comments to be incorporated in the draft report. A final draft will be delivered following completion of the OLEPS standby power assessment discussed above.

### **Disaster Cost Recovery Planning Services**

EBDA staff is continuing to work with Kermani Consulting Group (KCG) on disaster cost recovery planning. KCG delivered an updated draft of EBDA's Disaster Cost Recovery Plan for review on August 14, 2019, which incorporates staff's feedback on the initial July draft. Staff is in the process of reviewing the latest draft. Following refinement of the Plan, the project will conclude with an overview session for member agency staff, likely in early 2020, per the MAC's request.

### **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 plan is for each of the participating agencies to approve a Memorandum of Understanding (MOU) 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 still 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. The group is working on a Planning Agreement that staff would sign by November 2019, documenting intent to work together toward a long-term agreement. The Planning Agreement would contain no funding commitments.

**EAST BAY DISCHARGERS AUTHORITY**  
**MONTHLY OPERATION AND MAINTENANCE REPORT**  
**Aug-2019**

1. Summary sheets from the NPDES Report submitted to the RWQCB and EPA are attached for the month of: Jul-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: Jul-19

LOCATION	NO. TASKS SCHEDULED	NO. TASKS COMPLETED	# TASKS UNFINISHED	PERCENT COMPLETED
San Leandro Pump Station	12	12	0	100%
Oro Loma Pump Station	54	54	0	100%
Sky West Pump Station	14	14	0	100%
Hayward Pump Station	24	24	0	100%
Alvarado Pump Station	30	30	0	100%
Marina Dechlorination Facility	99	99	0	100%
EBDA Responsibility	26	26	0	100%
Force Main - USD	4	4	0	100%
Force Main - San Leandro	68	68	0	100%
Total	331	331	0	100%

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

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

6. Other Items of significance: Aug-19

- a. FM: Transport System Seismic Reliability Plan / Addressing Rain Water Entering Manholes
- b. AEPS: Pump Cavitation Study & Station Optimization
- c. OLEPS: Effluent Pumps No. 1 & 4 Discharge Valve Actuators & Gear Drives / Exterior Lighting
- d. MDF: SBS Building Sump Pump Control Panel Upgrade
- e. HEPS: MCC Replacement Project
- f. SLEPS: No Items

**ITEM NO. 15 ITEMS FROM THE COMMISSION AND STAFF**

The Commission and staff may comment on items of general interest.

**ITEM NO. 16 ADJOURNMENT**