EBDA
East Bay Dischargers Authority

2651 Grant Avenue
San Lorenzo, CA 94580
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ITEM NO. 11

OPERATIONS & MAINTENANCE COMMITTEE AGENDA

Wednesday, October 14, 2026 at 8:00 AM

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

Committee Members: Andrews (Chair); Kludjian

OM1. Call to Order

OM2. Roll Call

OM3. Public Forum

OM4. EBDA Permit Compliance
(The Committee will be updated on EBDA's NPDES compliance.)

OM5. Status Report
(The Committee will be updated on EBDA's O&M activities.)

OM6. Authorize the General Manager to Issue a Purchase Order to R-Computer in the Amount of $35,600 for a Network Server
(The Commission will consider the item.)

OM7. Authorize the General Manager to Issue a Change Order to the Purchase Order with Shape Incorporated for Sewage Pumps, Parts, and Service at the Marina Dechlorination Facility in the Amount of $20,000 for a Total Purchase Order Value of $45,000
(The Commission will consider the item.)

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, contact Juanita Villasenor at juanita@ebda.org or (510) 278-5910. 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.

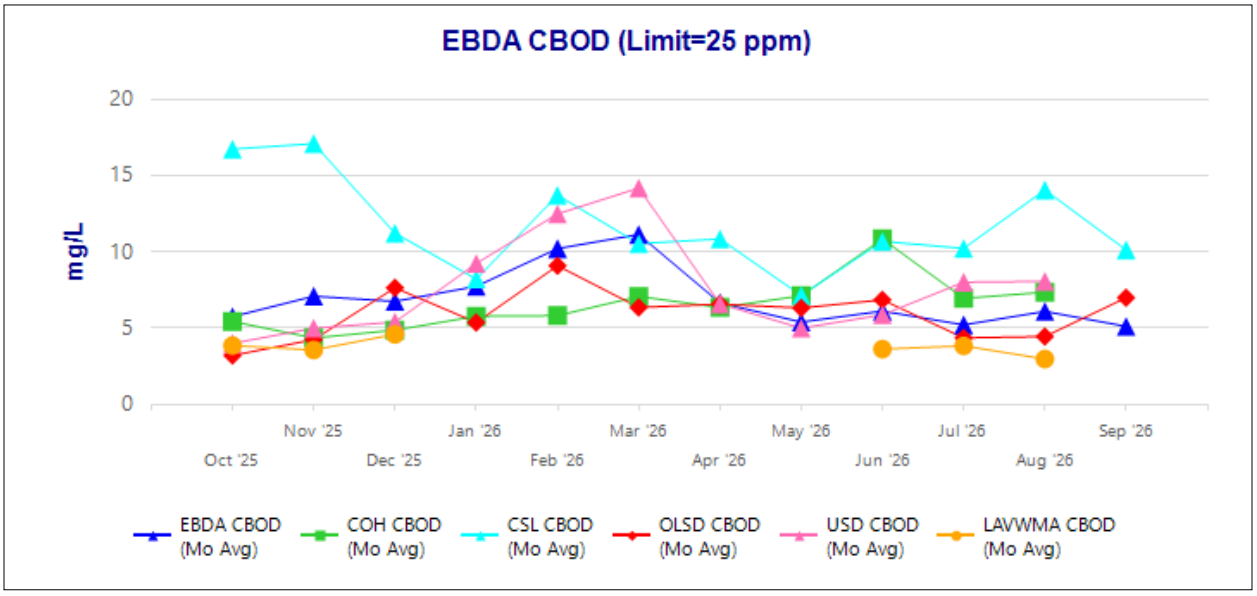
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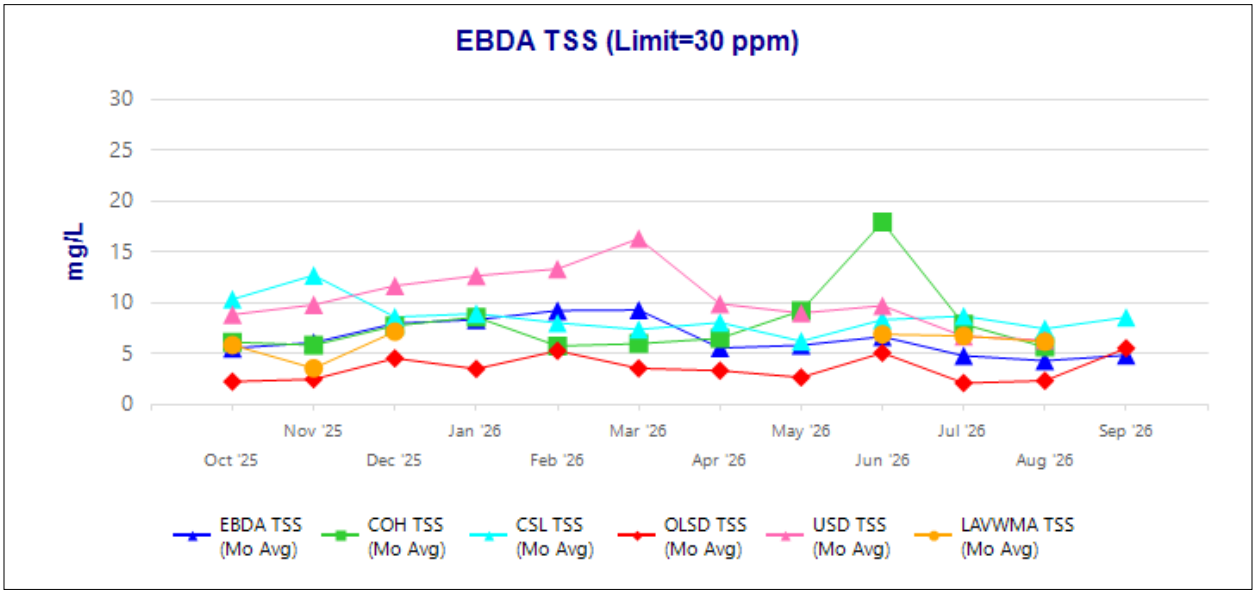
Next Scheduled Operations and Maintenance Committee
November 17, 2026 at 12:00 pm

ITEM NO. OM4 EBDA PERMIT COMPLIANCE

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

Discussion
EBDA has continued NPDES compliance. Member Agency CBOD and TSS performance are shown below. A table with bacterial indicators follows.





EBDA Bacterial Indicators

Date	FECAL MPN/ 100mL	ENTERO MPN/ 100mL
Limit (90th Percentile)	1100	1100
Limit (Geomean)	500	280
October 2025 Geomean	**33**	**4**
November 2025 Geomean	**14**	**61**
December 2025 Geomean	**15**	**5**
January 2026 Geomean	**21**	**10**
February 2026 Geomean	**6**	**10**
March 2026 Geomean	**3**	**4**
April 2026 Geomean	**4**	**5**
May 2026 Geomean	**5**	**3**
June 2026 Geomean	**15**	**5**
July 2026 Geomean	**28**	**5**
8/3/2026	8	< 2
8/4/2026	33	< 2
8/5/2026	NA	< 2
8/10/2026	4	4
8/11/2026	< 2	6
8/17/2026	8	6
8/18/2026	17	8
8/24/2026	4	2
8/25/2026	14	< 2
8/31/2026	4	< 2
August 2026 Geomean	**7**	**3**
9/1/2026	21	2
9/2/2026	NA	4
9/7/2026	46	30
9/8/2026	8	2
9/14/2026	4	< 10
9/15/2026	130	4
9/21/2026	< 2	8
9/22/2026	< 2	4
9/28/2026	4	2
9/29/2026	< 2	4
September 2026 Geomean	**8**	**5**

ITEM NO. OM5 STATUS REPORT

Union Effluent Pump Station (UEPS)

No change; all equipment is operational.

Hayward Effluent Pump Station (HEPS)

No change; all equipment is operational.

Oro Loma Effluent Pump Station (OLEPS)

Building Sump Upgrade Project
In late September, GSE Construction Co., Inc. (GSE) completed the OLEPS Building Sump Upgrade Project. This project connected the OLEPS building sump, which previously only discharged into the OLEPS wet wells, to the OLSD treatment plant drain.

The project included replacing the existing sump pump with a new pump, relocating the sump pump electrical outlet, installing a new discharge valve and check valve, and installing a new discharge pipe up and out of the OLEPS basement and across the area to the west of OLEPS approximately 85 feet to the OLSD plant drain.

Conex Storage Container Site Perpetration
In late September, GSE completed the site preparation for the new OLEPS Conex storage container. Taking advantage of the fact that GSE was at OLEPS digging a trench for the new sump pump discharge line described above, they removed the bushes and completed the installation of a compacted base rock pad for the storage container. Since GSE was also relocating the sump pump electrical outlet in the OLEPS basement, they ran a new electrical conduit alongside the sump pump discharge pipe from OLEPS to the location of the new storage container. Staff is currently in the process of ordering the new Conex storage container. Completing the site preparation now saved the cost of an additional contractor mobilization.

Recycled Water Pump Replacement
The OLEPS recycled water system provides cooling water for the effluent pump gear drives. In March, the EBDA Commission authorized the General Manager to execute an agreement with Pump Repair Service Company, Inc. (PRS) for replacement of two recycled water pumps at the OLEPS. PRS was the company that replaced these pumps the last time, and the new pumps are an exact match of the old pumps.

In late August, PRS replaced the first of the two pumps. When the first old pump was removed, the threaded rods that secure the pump were found to be extremely rusted and in need of replacement. To meet current earthquake requirements, the old rods will need to be core-drilled out, and new stainless-steel rods need to be epoxied into the concrete pump pads and pump station structure. This work will be completed in the near future.

During the test period for the first new pump, it started making noise, and the pump shaft started to vibrate. PRS was informed of the issue, and they are in communication with the pump manufacturer regarding warranty repair of the pump. EBDA has also requested a quote from the pump manufacturer to epoxy coat the portion of the pumps that are placed in the wet wells if the pumps need to be returned to the manufacturer for repair.

Skywest Pump Station

Recycled Water Production

During the month of September 2026, the Skywest Recycled Water System operated for one day and produced 0.54 million gallons of recycled water.

Marina Dechlorination Facility (MDF)

Staff recommends approval of the motion in Item No. OM7 to replace the two sewage pumps at MDF.

Operations Center

No change; all equipment is operational.

Miscellaneous Items

Underground Service Alerts

EBDA received eighteen (18) Underground Service Alert (USA) tickets during the month of September 2026.

Special Projects

Cargill Brine Project

Cargill is moving forward with a revised project plan that involves lining an existing steel pipeline previously used to transfer jet fuel, and connecting that pipeline to their Newark salt facility, and to EBDA's outfall downstream of MDF. They have officially taken ownership of the southern segment through Newark and Union City from Air Products, and they are continuing to pursue purchase of the northern segment. Cargill also continues to meet with key stakeholders to inform them of their updated plans and engage them for the required agreements that Cargill will need to obtain.

Cargill's overall schedule is currently projected as follows:

- Route Finalization: Now – Nov 2026
- 30% Engineering: Nov 2026 – Feb 2027
    - Design Review: Feb 2027
- 60% Engineering: Mar 2027 – Jun 2027

  - Design Review: Jun 2027
- CEQA
  - Kickoff: Late Oct 2026
  - Planning: Nov – Dec 2026
  - Studies: Jan – May 2027
  - Update: May 2027 – early 2028
- Permitting: 2027 – 2028
- Construction: 2029 – 2031

Advanced Quantitative Precipitation Information (AQPI) Project
The regional AQPI project continues to move forward with the goal of improving the prediction of rainfall events in the Bay Area. The East Bay radar was installed at Rocky Ridge in Las Trampas Regional Wilderness Park in December 2022, and data from the site became available in December 2023. The last radar in the system – the regional C-band – was installed at Mount Barnabe in Marin County the week of November 10, 2025, and is now fully operational.

The program is currently transitioning from the stewardship of Sonoma Water, which has acted as program manager and grant administrator for the project since its inception, to the Center for Western Weather and Water Extremes (CW3E) at Scripps Institution of Oceanography, UC San Diego, which will operate, maintain, and improve the AQPI system. Local funding by participating agencies will begin in Fiscal Year 2026-2027, with EBDA's share being $60k annually. Bay Area Clean Water Agencies (BACWA) has agreed to serve as the fiscal agent to invoice and pass through the funds.

CW3E has recently determined that one combined contract can be used to document commitments and responsibilities of CW3E, BACWA, and the participating agencies. A legal subcommittee has been formed with participating agencies' counsels to develop the combined agreement. Staff expects to seek Commission approval for the agreement later this Fall.

ITEM NO. OM6 AUTHORIZE THE GENERAL MANAGER TO ISSUE A PURCHASE ORDER TO R-COMPUTER IN THE AMOUNT OF $35,600 FOR A NETWORK SERVER

Recommendation
Approve the Purchase Order (PO).

Strategic Plan Linkage
2. **Operations & Maintenance:** Ensure reliable operations & maintenance of the EBDA system to protect public health and the Bay.
    a. Implement EBDA's Asset Management Plan.

Background
EBDA's office network currently uses a Microsoft Windows Server 2016, which was purchased in November 2018 for $8,500. This server is reaching the end of its useful life. Microsoft support, including security updates, will end on January 12, 2027, making the EBDA network vulnerable to security issues. In June 2026, the Commission approved a Renewal and Replacement Fund Project List for FY 2026/2027 that included $40,000 for the replacement of the office network server.

After comparing pricing from multiple sources to replace the server, staff recommended purchasing components sourced through R-Computer, which has previously provided EBDA with computer hardware. R-Computer's hardware proposal is attached. In addition to the server cost of approximately $32,000, the proposed PO would include the cost for R-Computer to complete the build and configure the server. Their labor estimate is 10-15 hours at $240/hour, or a maximum of $3,600, bringing the PO total to $35,600. The total project cost, including several hours for EBDA's IT staff at Cayuga to install the server and complete the setup, is approximately $36,000.

At its September meeting, the O&M Committee requested that staff provide additional analysis of the potential benefits, costs, and risks of moving to a cloud-based system in lieu of replacing the on-premises ("on-prem") server hardware.

Discussion
EBDA's server is a foundational component of the agency's local IT infrastructure. It provides:
- Active Directory – authenticates users and manages access to network resources;
- DNS – resolves internal network names and resources;
- DHCP – provides IP addresses and network configuration to devices;
- Print Services – supports network printing; and
- File/Data Storage – provides local access to shared files and other resources.

Cloud-based storage could replace the file-storage function. The remaining services could be hosted on a cloud-based virtual machine.

Two key issues should be considered in weighing the benefits and risks of moving from local infrastructure to cloud systems: business continuity and cybersecurity. For the reasons below, many public agencies, including Oro Loma and Union Sanitary Districts, maintain on-prem servers rather than relying on cloud services.

Business Continuity

Moving EBDA's Active directory, DNS, DHCP, and print services to a cloud-based service would make those functions dependent on the Internet. In this configuration, an Internet outage could: (1) prevent users from authenticating to their computers, forcing the use of cached credentials potentially limiting functionality, (2) prevent users from accessing cloud-based resources like data files stored in cloud storage, and (3) prevent users from obtaining DHCP configurations and resolving network names restricting the use of locally hosted services, including accessing local printers.

For business continuity, staff recommends maintaining critical services locally so that EBDA's basic network operations can continue even if the Internet connection is unavailable. Local services also generally provide lower latency and faster access than Internet-based services, which can be important when employees work with large files, databases, accounting applications, and other network resources.

Cybersecurity

Maintaining critical services locally also supports EBDA's existing layered cybersecurity approach, which includes network segmentation, firewall protections, controlled external access, and other security measures. Security is applied in layers in order to make it as difficult as possible for a bad actor to gain access. No single security measure can secure an entity's systems. For this reason, EBDA's strategy includes measures like requiring a VPN to access the system, requiring multifactor authentication on the VPN connection, requiring unique user IDs with strong passwords, establishing a DMZ as the final landing point for outside connections, and network segmentation.

Cloud providers offer sophisticated security controls, but cloud storage requires an organization to rely on a third party for protection and availability of its data and systems. While cloud service providers have good intentions and do provide security, hacks and stolen data are still common.

Fiscal Impact

Staff estimates that the new local server would have a useful life of approximately six years, so the annual cost of the on-prem approach is $6000. EBDA's IT consultant contacted the top three Bay Area-hosted server providers, and two responded with pricing for a cloud-system that would meet all of EBDA's needs. The quote from the first provider was $145 dollars per month, or under $2000 per year, not including setup. A second provider quoted $1800 for setup and $695 per month, or $10,140 in the first year and $8,340 in subsequent years.

It should also be noted that EBDA currently uses Remote Data Backups for its backup services. Moving the server environment to the cloud would require EBDA to determine how the cloud environment would be backed up and whether additional backup or storage charges would apply. EBDA would also likely need to identify a new consultant for IT support with the new server, as EBDA's current IT consultant, who is very cost-effective, has indicated that he would not be able to provide support for the cloud-based infrastructure.

Some agencies have bifurcated storage and network functions. If EBDA were to move file storage only to a cloud-based service while maintaining other functions on-prem, R-Computer has quoted $26,000 for the local server purchase instead of $32,000. Because most of the cost of the server equipment is related to the network functions rather than file storage, this option does not create significant savings.

Summary

For EBDA's current network architecture and operational needs, staff continues to recommend maintaining critical IT services locally to provide greater independence from Internet outages, preserve an additional layer of cybersecurity protection, support business continuity, and avoid introducing unnecessary recurring cloud and backup costs. Cloud computing is an important and increasingly common component of modern IT infrastructure, and EBDA staff will continue to evaluate cloud-based applications where they provide clear operational or financial advantages.

ITEM NO. OM7 AUTHORIZE THE GENERAL MANAGER TO ISSUE A CHANGE ORDER TO THE PURCHASE ORDER WITH SHAPE INCORPORATED FOR SEWAGE PUMPS, PARTS, AND SERVICE AT THE MARINA DECHLORINATION FACILITY IN THE AMOUNT OF $20,000 FOR A TOTAL PURCHASE ORDER VALUE OF $45,000

Recommendation
Approve the change order.

Strategic Plan Linkage
2. **Operations & Maintenance:** Ensure reliable operations & maintenance of the EBDA system to protect public health and the Bay.
    a. Implement EBDA's Asset Management Plan.

Background
The FY 2025-2026 Renewal and Replacement Fund 31 Project List approved by the Commission included $100,000 for the Marina Dechlorination Facility (MDF) Sewage Pumps Replacement Project. The project includes replacement of the two sewage pumps, valves, check valves, and piping in the MDF sewage sump pit. The project also includes replacement of the elbows that create a seal between each pump and its discharge line.

Discussion
The MDF sewage pumps are Flygt pumps, and Shape Incorporated (Shape) is the sole source Flygt factory service representative and distributer in the area. For the last two fiscal years, EBDA has issued an open Purchase Order (PO) to Shape in the amount of $25,000 for pumps and parts.

While staff was in the process of scoping the MDF Sewage Pumps Replacement Project, one of the sewage pumps displayed a leakage alarm indicating moisture in the motor. As the result of this alarm, staff decided to purchase one new sewage pump and one new elbow immediately. Flygt only had a couple of pumps in their warehouse that matched the current pumps, and staff determined it was important to secure one since the lead time to manufacture new pumps, if none were available in the warehouse, is 12 to 14 weeks. The cost of one new pump and one new elbow is $16,162.

Pending approval of this change order, staff will order the second new pump and elbow. Once the new pumps are installed, Shape will pick up the old pumps and take them back to their facility, where they will disassemble and inspect them at no cost. If the pumps can be refurbished for less than half of the cost of a new pump, EBDA will have at least one of the old pumps rebuilt to keep in stock as a spare pump.

The following table summarizes anticipated expenditures under the proposed change order:

1st Pump and Elbow	$16,162
2nd Pump and Elbow	$16,162
Refurbishment of 1 Pump for use as a spare	$6,500 (estimate)
Refurbishment of 2nd Pump / Contingency	$6,176
Total	$45,000