

## Innovating Wastewater Infrastructure Today



*Above: Photos of the existing dewatering building exterior at the Main Wastewater Treatment Plant in Oakland.*

The East Bay Municipal Utility District (EBMUD) plays a critical role in protecting public health and the San Francisco Bay by treating wastewater from over 740,000 customers. One of the most pressing needs today is the replacement of the aging dewatering facility at the Main Wastewater Treatment Plant (MWWTP) in Oakland.

### **Why replace the dewatering facility?**

The current dewatering facility has been operating for nearly 50 years. It is faced with notable challenges including advanced age and deteriorating conditions, impediments to operability and maintenance (O&M), sub-optimal configuration, and seismic issues.

EBMUD is planning to construct a new dewatering building at the MWWTP. The project will feature modern technology to more reliably separate water from biosolids and is designed with the goal to reduce O&M requirements and biosolids management costs. *Continues on page 2.*

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### An innovative approach: progressive design-build

To deliver this critical project effectively, EBMUD is using an innovative and collaborative project delivery method: progressive design-build (PDB). Unlike traditional design-bid-build approaches, PDB allows EBMUD to engage a design-builder early in the process, fostering collaboration from the outset.

Key benefits of PDB include:

- **Stronger collaboration:** early teamwork encourages innovation and more effective problem-solving, reducing surprises and costly changes.
- **Greater cost certainty:** construction pricing is based on a clearly defined scope, reducing the risk of budget overruns.
- **Lower risk of delays and claims:** early identification and resolution of potential issues before construction begins.
- **Streamlined schedule:** overlapping design and construction phases, and early procurement of long-lead materials, can significantly shorten the overall project duration.



*Left: Exterior of the existing dewatering building. Right: Interior of the existing dewatering building.*

To support successful implementation, the District plans to hire an owner advisor (OA) who will provide technical expertise and support of the project through PDB. A request for proposals (RFP) for OA services for the MWWTP Dewatering Improvements Project will be released this fall.

### Building for the future

The new Dewatering Building at the MWWTP represents more than just a capital improvement. It reflects EBMUD's proactive approach to infrastructure planning, commitment to innovation, and dedication to environmental stewardship. With thoughtful planning and an innovative delivery method, EBMUD is ensuring that its wastewater treatment infrastructure remains a cornerstone of public health and environmental protection in the Bay Area for generations to come.



# Professional and General Services

Latest information: [ebmud.com/rfp](http://ebmud.com/rfp)

*Requests for Proposals (RFPs) for the projects listed are generally available at least 30 days before the estimated proposal due date.*

## **Camanche & Pardee Underwater ROV Inspections**

**\$300K • Due Date: 9/1/25 • 510-287-7033**

Deploy underwater remote-operated vehicle (ROV) inspections of the Camanche Outlet Works and Pardee Dam & Intake Towers and collect video/photographic records.

## **Fleet Zero-Emission Vehicle Charging Infrastructure - PGE Upgrade Coordination**

**\$800K • Due Date: 9/30/25 • 510-287-1023**

Prepare designs at over 30 facilities for power upgrades needed to support future electric vehicle charging infrastructure.

## **Adeline Maintenance Center (AMC) Facility Roof Inspection and Preliminary Design of Roofing Rehabilitation**

**\$150K • Due Date: 10/15/25 • 510-287-1023**

Inspect roofs at major buildings at the AMC campus, prepare report on roof conditions and recommendations and preliminary design for roof rehabilitation, including construction cost estimate.

## **Sobranite Water Treatment Plant Restroom Renovations**

**\$200K • Due Date: 10/15/25 • 510-287-1023**

Design and prepare construction documents for improvements to both the men's and women's locker rooms/rest rooms at the Sobranite Water Treatment Plant.

## **Alameda Channel Crossing Improvements Environmental Documentation**

**\$250K • Due Date: 5/15/26 • 510-287-1681**

Preparation of environmental documentation for the installation of a horizontal directionally drilled sewer pipeline crossing the San Leandro Channel between Bay Farm Island and the main island of Alameda.

## **Oakport Security Improvements**

**\$500K • Due Date: 9/30/26 • 510-287-1023**

Prepare design and contract documents for security improvements at the Oakport facility, including cameras, lighting, security access systems, and fencing.

## **Main Wastewater Treatment Plant Dewatering Improvements Project - Owner Advisor**

**\$4M • Due Date: Fall, Date TBD • 510-287-1608**

Owner Advisor services to support District's Main Wastewater Treatment Plant Dewatering Improvements Project via progressive design-build. Provide technical expertise and support in areas of project management, procurement management, technical design support and oversight, construction management, contract management, project controls and administrative support.

## **Main Wastewater Treatment Plant Space Requirement Study**

**\$200K • Due Date: TBD • 510-287-0577**

Study to determine all non-wastewater treatment process space needs at the Main Wastewater Treatment Plant. These needs include personnel workspaces, storage, personnel support spaces (locker rooms, break rooms, etc.), laydown areas and other needs. Project will define minimum standard space requirements for each of these needs and identify current and future deficiencies.

## **Power Generation Station Master Plan**

**\$300K • Due Date: TBD • 510-287-1648**

Develop alternatives analysis and lifecycle cost estimates for potential Power Generation Station power generation unit expansion or replacements based on energy and biogas generation scenarios.

*\*All dates subject to change. All values are approximate.*

*Please visit our website to update and/or register in our database: [ebmud.com/business](http://ebmud.com/business)*

# Construction

Latest Information: [construction-bids.ebmud.com](http://construction-bids.ebmud.com)

*Wastewater projects are identified by a Specification Number bearing an "SD" designation. These specifications are available from the Wastewater Department at 510-287-1754. Bid documents without the "SD" designation are available from the Specifications Section at 510-287-1040. Bid documents are generally available at least 30 days before the estimated bid due date.*

## **Lafayette Reservoir Outlet Tower Seismic Retrofit - Spec. 2175**

**\$10.2M • Bid Date: 8/13/25 • 510-287-1040**

Retrofit of the existing tower in Lafayette to maintain satisfactory seismic performance in the event of a significant seismic event.

## **Summit Pressure Zone South Pipeline Replacement, Phase 2A - Spec. 2193**

**\$2.4M • Bid Date: 8/13/25 • 510-287-1040**

Replacement of 1,935 feet of 24-inch, 30 feet of 16-inch and 55 feet of 12-inch mortar lined and coated steel pipe including all connection piping, appurtenances and fittings in Tunnel Road, The Uplands, and Bridge Road in Oakland and Berkeley.

## **Pardee Chemical Plant Improvements - Spec. 2142**

**\$52M • Bid Date: 9/2/25 • 510-287-1040**

New chemical storage and feed systems, new operations and storage building, electrical upgrades, and site and roadway improvements at existing Pardee Chemical Plant.

## **Swainland Reservoir and Montclair Pumping Plant Replacements, 82nd Ave Rate Control Station Rehabilitation and Old Estates Reservoir Valve Pit Demolition - Spec. 2192**

**\$13.3M • Bid Date: 9/10/25 • 510-287-1040**

Replacement of Swainland Reservoir on Fairlane Dr and replacement of Estates Reservoir on Estates Drive in Oakland.

## **Walnut Creek Water Treatment Plant Control Systems Refresh - Spec. 2202**

**\$2M • Bid Date: 9/24/25 • 510-287-1040**

Replace the existing Walnut Creek Water Treatment Plant Control Systems with modern control systems hardware and software.

## **Water Treatment Plant (WTP) Effluent Meters and Large Customer Meters Improvements and Circle Regulator Replacement - Spec. 2182**

**\$TBD • Bid Date: 10/29/25 • 510-287-1040**

Construct metering improvements at the District's WTP effluent meters and large customer meters at Lafayette, Sobrante, Orinda and Walnut Creek WTPs and various other large customer meters in Crockett, Rodeo and Richmond.

## **San Pablo Recreation Sewer Force Main Replacement - Spec. 2208**

**\$850K • Bid Date: 11/14/25 • 510-287-1040**

Detailed design of 2,100 feet of force main replacement that serves the San Pablo Recreation Area.

## **San Leandro Channel Pipeline Crossing - Spec. 2188**

**\$17M • Bid Date: 1/14/26 • 510-287-1040**

Construction of approximately 3,600 feet of 24-inch steel pipeline primarily underlying San Jose Avenue and Peach Street on Alameda Island and Island Drive on Bay Farm Island and 2,100 feet of 30-inch HDPE pipeline crossing under the San Leandro Channel by horizontal directional drilling method.

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## Construction

Latest Information: [construction-bids.ebmud.com](https://www.ebmud.com/construction-bids)

### **Adeline Maintenance Center (AMC) Campus Security Improvements Phase 1 - Spec. 2205** **\$5.8M • Bid Date: 3/11/26 • 510-287-1040**

Install additional site lighting and upgrade security systems at AMC Campus including security cameras, access monitoring devices and wiring.

### **Central Reservoir Replacement - Spec. 2204** **\$250M • Bid Date: 5/13/26 • 510-287-1040**

Replacing Central Reservoir (open-cut reservoir) with three new prestressed concrete tanks to improve water service reliability, water quality operations and long-term maintenance.

## Materials and Supplies

Latest information: [ebmud.com/business-center/materials-and-supplies-bids](https://www.ebmud.com/business-center/materials-and-supplies-bids)

### **Pardee Powerhouse Transformer Replacement** **\$130K • Estimated Bid Date: 7/23/25 • 510-287-0454**

New metering current transformers/potential transformers combined instrument transformers for Pardee Powerhouse.



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## Upcoming Contract Opportunities



# 10 Best Cybersecurity Practices for Small Businesses

By Myrtle Bautista for Minority Business Entrepreneur Magazine

Because of their valuable data and generally weaker security defenses, small firms have become more and more appealing targets for cybercriminals. According to a 2023 survey, small firms are targeted by 43 percent of cyberattacks, yet only 14 percent of them are completely protected against these threats.

Such a breach, especially when the data is personal, can lead to legal liability, loss of customer confidence, and recovery costs of thousands of dollars.

The good news is that even with these cyber threats, small firms can still defend themselves without having to spend big finances or invest in complex IT systems. They can significantly lower their vulnerabilities and protect their business by using simple, efficient cybersecurity procedures.



Above: Image of a caution cone and computer keyboard.  
Photo by Fernando Arcos (Pexels).

## 1. Secure Your Network

A secure network is the first barrier against unauthorized access to the system or networks of an organization. This includes firewalls that block harmful traffic, secure data by encrypting them, and utilize Virtual Private Networks (VPNs) for employees who work remotely. VPNs, particularly, are crucial when it comes to safe communication over the internet connections that are available to the public.

## 2. Implement Strong Password Policies

Since passwords are the keys to your company's digital assets, hackers frequently target them. Malicious actors can quickly get access to sensitive systems using weak or frequently used passwords. Small organizations should implement strong password restrictions to reduce this danger. The staff members should be encouraged to use different combinations of upper- and lower-case letters, numbers, and other special characters to create strong passwords.

## 3. Regularly Update and Patch Systems

Inadequate software updates are among the biggest vulnerabilities that hackers exploit most of the time. To get hold of some confidential data or to compromise other devices, hackers often attack systems that have not been updated. Small organizations should make it a priority to apply security patches and upgrades as soon as they are released on the market.

#### **4. Educate Your Employees**

Staff members are an organization's greatest strength, but they are also a potential source of cybersecurity risk. They can fall victim to phishing scams, social engineering, and other tricks to bypass even the best of security measures. Employees must receive regular training to be empowered to identify and address such hazards.

#### **5. Monitor Vendors and Detect Fraud**

Third-party vendors and service providers are a threat because they often work with a company's systems or information. Require cyber-security compliance from your vendors and use means of monitoring their adherence.

#### **6. Backup Critical Data Regularly**

Operations can be disrupted, and customer relationships are likely to suffer due to irreversible data loss caused by a cyberattack or system failure. Small firms should create a process for backing up important data to lessen this risk.

#### **7. Utilize Antivirus and Anti-malware Software**

Any cybersecurity plan starts with antivirus and anti-malware software. Malicious malware that could compromise your systems is identified, blocked, and eliminated by these tools.

#### **8. Limit Access to Sensitive Information**

Not all employees need to have access to all the information of the company. Through implementing role-based access controls, small businesses can ensure that sensitive data is only available for the workers who require it in the course of their work.

#### **9. Secure Mobile Devices**

It's important to consider mobile devices' security as they grow more and more integrated into business operations. Set policies that all the devices should have strong passwords, and ensure the software used is updated.

#### **10. Prepare an Incident Response Plan**

No company is immune to cyber threats despite having strong protections. Having an incident response plan ensures that your business will be ready to implement measures for handling the losses when an incident occurs.

The growing threat of cyberattacks on small businesses has called for proactive protective measures. Start now by evaluating your defenses and applying the practices outlined above. When you safeguard your business now, you will be sure that it will be strong and profitable in the future.

Abridged article courtesy of the author and Minority Business Entrepreneur Magazine. To read the entire article visit [mbemag.com/articles/10-best-cybersecurity-practices-for-small-businesses/](https://mbemag.com/articles/10-best-cybersecurity-practices-for-small-businesses/)

# Upcoming Calendar Events

## July 2025

- 13-15 American Indian Chamber of Commerce: **EXPO '25, Agua Caliente Resort Spa, Rancho Mirage, Registration: [AICCEXPO25.eventbrite.com](https://aiccepo25.eventbrite.com)**

## August 2025

- 4-5 Women Construction Owners & Executives California Chapter: **2025 Annual Conference, Napa River Inn, 500 Main Street, Napa, Registration: [wcoecalifornia.com/annual-conference](https://wcoecalifornia.com/annual-conference)**
- 11-15 American Contract Compliance Association: **ACCA National Training Institute, Gaylord Rockies Resort and Convention Center, Aurora, Registration: [accaweb.org/events-nti/](https://accaweb.org/events-nti/)**
- 20-22 California Hispanic Chamber of Commerce: **CHCC Annual Statewide Convention, Sheraton Fairplex Suites & Conference Center, 601 W McKinley Ave, Pomona, Registration: [cahcc.com](https://cahcc.com)**
- 28 Western Regional Minority Supplier Development Council: **WRMSDC Annual Summit, Oakland, Information: [wrmsdc.org/events/](https://wrmsdc.org/events/)**

## September 2025

- 25 Renaissance Entrepreneurship Center: **Celebrating 40 Years of Impact, City View at Metreon, San Francisco, Information: [rencenter.org](https://rencenter.org)**

## October 2025

- 3 Asian, Inc.: **54th Anniversary Gala, Mark Hopkins Hotel, 999 California St., San Francisco, Details: [gala@asianinc.org](mailto:gala@asianinc.org) or 415-928-5910 x168**
- 15-16 Construction Industry Education Foundation: **2025 Women in Construction Conference, Safe Credit Union Convention Center, 1400 J Street, Sacramento, Registration: [cie.foundation/wic](https://cie.foundation/wic)**

## Upcoming EBMUD Paving RFQ's

### Various Paving in Public Right of Way

**\$250K - \$1.2M • Due Date: Varies • 510-287-7187**

- Barrett/Carlson/Lovegrove, Richmond/San Pablo
- Glen/Sharene/La Espiral, Orinda/Walnut Creek
- La Loma/McGee, Berkeley

Upcoming Activities

# Calendar

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