Applying for Dual Service:

Single Family Residential

Effective July 1, 2022

Disclaimer Notice

Applicants for water service will find this information helpful to understand the process of applying for a new combination water and fire service (dual service). These charges and fees are presented only as guidelines for estimating costs. Final quotations will not be issued until a properly completed application is submitted. All applications for water service are subject to review and approval by the District. All requests for preliminary estimates or quotations must include an address, accurate location of the parcel to be served, and the proposed use of the premises. The following factors may increase your final cost: front foot charges, contaminated soil conditions, annexation fees, and availability of an existing water main.

Information You Will Need to Provide EBMUD as Part of Your Application for Water Service

- Water Service Application
- Completed Hydrant/Fire Service/ Dual Service Requirements form signed by the local fire marshal
- Applicant and/or name of owner and mailing address
- Address of property to be served
- Site plans
- Proposed meter location
- Assessor's parcel number
- Building permit number or grading permit number
- Name, address and telephone number of plumbing contractor
- Total flow (in GPM) required to serve domestic and fire sprinkler demands
- Number of meters required
- Existing site environmental data (if available)

What is Dual Service?

Dual service allows for one oversized water meter, combining both domestic use and fire protection for single-family premises and some multi-family premises (as approved by the local fire marshal) in lieu of a domestic water meter and dedicated private fire service. The California Building Code requires automatic fire sprinkler systems in all new construction. A dedicated private fire service is required for all commercial buildings and other multi-family residential buildings as determined by your local fire marshal. A dual service may have a larger meter than a standalone domestic service to meet the flow demand for fire protection. The System Capacity Charge (SCC) will be based on the meter size to meet domestic requirements only. A Hydrant/Fire Service/Dual Service Requirements form must be completed and signed by the fire marshal before a dual service will be granted.

New Regulation Requires Fire Sprinkler System for Single Family Residential Dwelling Units

The California Building Code (CBC) requires automatic fire sprinkler systems in all new construction, including single family and multi-family residential dwelling units.

Appointments

Scheduling appointments in advance will assure a representative will be available to see you and will help avoid unnecessary delays. Appointments to speak in person with a New Business representative may be obtained by calling 510-287-1008.

Installation Time

Installation of your new service will generally be completed within 6 to 8 weeks after receipt of your payment and an approved encroachment permit from the city/county (if required).

Note: Installation time is contingent on District workload, project size, and site conditions. During peak season, completion schedule may be impacted.

Meter Size Calculation

The fixtures tab of our online application is used to determine the meter size, the domestic demand for your property, and the System Capacity Charge. Meter size is based on the number of household fixtures multiplied by the fixture unit. Each plumbing fixture is given a fixture unit value based upon the Uniform Plumbing Code. The unit count for each fixture is determined by multiplying the number of each fixture type by the appropriate fixture unit in the multiplier column.

Application Process

Step	Responsible party	Action
1	Applicant	Completes the Water Service Application at *wsa.ebmud.com*, including Statement of Design Criteria Used for Fire Sprinkler Design; Hydrant/Fire Service/Dual Service Requirements forms and approved fire sprinkler or underground site plan.
2	EBMUD	Calculates the cost of the service and sends quote to applicant.
3	Applicant	Pays fees, in person or by mail. Note: Appointments may be scheduled to arrange payment in person by calling 510-287-1008.
4	EBMUD	Applies for a city/county/state encroachment permit for street work at your location.
5	EBMUD	Upon receipt of encroachment permit, delivers work orders to the EBMUD Service Center in your area to schedule installation. Note: Applicant must pay all outstanding charges before job will be scheduled.

Backflow Prevention

A backflow prevention device may be required for dual service. Applicants are required to install a UL/FM check valve on the fire riser separating the domestic service on a dual service system. Our Backflow Prevention Unit will assist you in determining if a backflow prevention device is required. Information can be obtained by calling 510-287-0874. For more information see EBMUD regulation, *Section 26: Protection of Public Water Supply*. Also, visit our Backflow Prevention web page at *ebmud.com/backflow*.

Water Conservation Review

Customers applying for a standard service are required to submit plumbing and landscape plans to our Water Conservation Division for review of water efficiency requirements. The water efficiency requirements for plumbing fixtures and landscaping can be found in EBMUD Section 31 which follows the CALGreen Building Standards Code and the Model Water Efficient Landscape Ordinance. Water service shall not be furnished to any Applicant for new or expanded service unless all applicable water efficiency measures, as described in Section 31, are installed at Applicant expense. For questions regarding Section 31 review, please contact the Water Conservation Division at 510-287-1900 or *waterconservation@ebmud.com*.

Service Costs

The cost you pay for service is dependent upon the size of the water meter, type of service, and the location of the property to be served. The total cost will be the sum of the following components: Installation Fee, Account Fee, and System Capacity Charge (SCC). Other fees include Wastewater Capacity Fee, Front Foot Charge, Annexation Fee, and Contaminated Soils when applicable.

Note: All fees are reviewed periodically and are subject to adjustment.

Installation Fee for Lateral Oversizing for Fire Flow Capacity

The installation fee covers the cost of installing the standard 1-1/2" service lateral.

Lateral size	Installed in paved conditions	Installed in unpaved conditions
1-1/2"	$15,244	$9,135

System Capacity Charge

The System Capacity Charge (SCC) is a way to equitably fund the capital cost of the water system and pay for the cost of providing additional long-term water supply for new water service applicants. The charge is collected from all applicants who request a new water service connection or a larger water meter, and varies depending on geographic region.

The SCC pays for the applicant's share of the capital facilities including those that serve the entire water system such as the aqueducts and raw water facilities, regional facilities such as treatment plants and distribution facilities, and future water supply upgrades needed to meet long-term increases in water demand created by new customers.

Adjusted System Capacity Charge for Dual Service

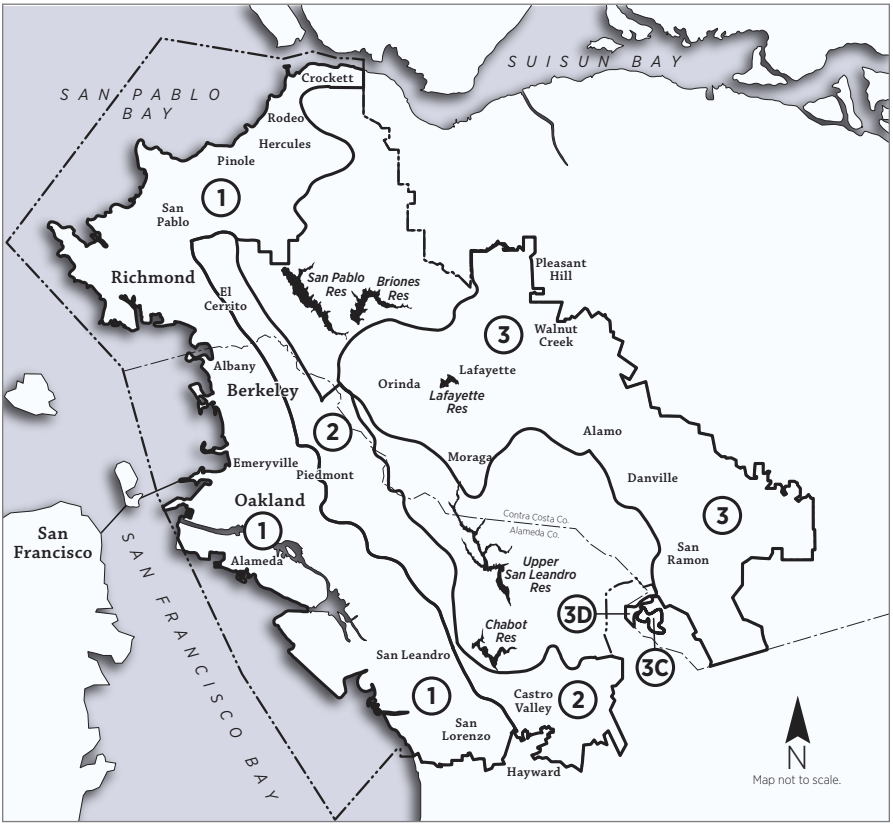
The System Capacity Charge (SCC) will be based upon the meter size necessary to meet domestic requirements only. Adjustments are made for low-pressure and residential fire services. When a larger meter is installed (upon District approval) to compensate for low-pressure or to provide fire protection capacity, the SCC is based on the meter size necessary to meet the domestic demand, not the actual size of the meter installed.

Example: The SCC for a 1" dual service meter installed to serve a residential fire protection and domestic demand system for a residence with a safe intermittent domestic demand of 30 gallons per minute (3/4" meter) in Region 1 would be $12,230. (Residential SCC Region 1, 3/4" meter)

Determination of SCC Region

The New Business Office will determine within which region your property is located. Regional designations may vary within a geographical area due to elevation and pressure zone changes. The map provides an approximate description of these regions. To determine an estimated SCC for your project, locate the general area of your project on the map and look up the SCC by meter size.

System Capacity Charge (SCC)



General Description of Principal Regions

Region	*General Description*
1	Central Area (gravity zones West-of-Hills)
1	El Sobrante and north (pumped zones)
2	South of El Sobrante to vicinity of Highway 24 (pumped zones)
2	South from vicinity of Highway 24 (pumped zones)
2	Castro Valley area (pumped zones)
2	North Oakland Hill Area (pumped zones, formerly 4-A)
3	Orinda-Moraga-Lafayette Area (pumped zones)
3	San Ramon Valley and Walnut Creek (pumped zones)

General Description of Additional Regions

Region	*General Description*
3-C	South of Norris Canyon Road (pumped zones)
3-D	South of Norris Canyon Road outside Wiedemann Ranch (pumped zone)

Single Family Residential Accounts

	Principal regions			Additional regions	
Meter size	1	2	3	3-C	3-D
3/4"	$12,230	$19,400	$36,100	$108,310	$110,230
1"	$17,380	$41,580	$55,260	$180,880	$184,080
1-1/2"	$22,210	$53,590	$71,100	$361,760	$368,160

Wastewater Capacity Fee

A Wastewater Capacity Fee (WCF) will be collected if the property to be served is located in any of the following cities: Alameda, Albany, Berkeley, Emeryville, Oakland, Piedmont, and Stege Sanitary District (which includes El Cerrito, Kensington, and Richmond Annex). The standard residential fee is $2,950 per single family dwelling.

Front Foot Charges

If the main serving your parcel was paid for by a prior Applicant, your final costs may include reimbursement for the portion of the main fronting your parcel.

Service Disruption Minimization

EBMUD strives to operate and maintain its existing water distribution system serving our customers with minimal service disruptions due to either planned or unplanned events. Certain new developments may have a high sensitivity to service disruption owing to the nature of the operation. In such cases, please contact the New Business Office staff to discuss any options that may be available.

Sample Calculation

The cost to install a 1" meter for Dual Service at 3/4" domestic demand to serve a single family residence in West Oakland under Paved Conditions would be calculated as follows:

Installation fee	$15,244
System capacity charge, region 1, ¾" meter	$12,230
Wastewater capacity fee	$2,950
Account fee	$63
TOTAL	$30,487

Groundwater and Soil Contamination Issues

Before District crews are allowed to excavate for any new service or main extension, an investigation is done to determine if groundwater will be encountered during excavation and whether the soil or groundwater is contaminated. Applicants must submit any known, existing information regarding site soil and groundwater conditions with their application. If the District determines that sampling is necessary to adequately characterize soil and groundwater conditions, the Applicant will be responsible for the actual cost of sampling and analyses unless the job is based on a fixed rate and no evidence of contamination is found. The Applicant will also be responsible for increased disposal costs due to the presence of groundwater. If the contamination poses a threat to drinking water quality, water distribution piping or appurtenances, or worker health and safety for installation, inspection, and potential future construction and repair, the Applicant may be required to remediate the site before services will be installed.

EAST BAY MUNICIPAL UTILITY DISTRICT

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