ANNUAL SURVEY

April 2025

Fiscal Year 2023-24

BAWSCA

Bay Area Water Supply & Conservation Agency

Bay Area Water Supply and Conservation Agency FY 2023-24

- EXECUTIVE SUMMARY
- BAWSCA OVERVIEW
- PAST AND CURRENT PURCHASES FROM SFPUC
- TOTAL WATER SUPPLY AND DEMAND
- CURRENT WATER USE BY CUSTOMER CLASS
- CLIMATOLOGICAL DATA
- SERVICE AREA POPULATIONS
- CURRENT WATER USE PER CAPITA
- CURRENT RESIDENTIAL WATER BILLS
- AGENCY PROFILES

APRIL 2025

BAWSCA WATER FACTS AT-A-GLANCE – FY 2023-24

BAWSCA Member Agencies

San Mateo County - City of Brisbane / Guadalupe Valley Municipal Improvement District, City of Burlingame, California Water Service Company (Bear Gulch District, Mid-Peninsula District, South San Francisco District), Coastside County Water District, City of Daly City, City of East Palo Alto, Estero Municipal Improvement District, Town of Hillsborough, City of Menlo Park, Mid-Peninsula Water District, City of Millbrae, North Coast County Water District, City of Redwood City, City of San Bruno, and Westborough Water District

Santa Clara County - City of Milpitas, City of Mountain View, City of Palo Alto, Purissima Hills Water District, San Jose Municipal Water System – North, City of Santa Clara, Stanford University, and City of Sunnyvale

Alameda County - Alameda County Water District, City of Hayward

Service Areas

	Size (sq. mi.)	Population	Number of Agencies
San Mateo County	185	751,710	16
Santa Clara County	117	608,620	8
Alameda County	166	506,954	2
Total	468	1,867,284	26

Supply by Source

	ccf	mgd	af	%
San Francisco RWS	62,497,108	128.08	143,442	69.3%
Groundwater	7,378,690	15.12	20,657	8.2%
Surface Water	3,399,478	6.97	7,802	3.8%
Recycled Water	3,516,728	7.21	8,072	3.9%
Other Sources	13,369,002	27.40	30,684	14.8%
Total	90,161,006	184.77	206,936	100%

Demand by Sector

	ccf	mgd	af	%
Residential	51,624,031	105.79	118,487	57.3%
Commercial/Industrial	19,032,934	39.00	43,684	21.1%
Government/Institutional/Other	4,280,176	8.77	9,824	4.7%
Dedicated Irrigation	8,562,205	17.55	19,652	9.5%
Non-Revenue Water	6,661,660	13.65	15,290	7.4%
Total	90,161,006	184.77	206,936	100%

Water Measurements

af = acre-foot; 1 af = 435.6 ccf or 325,851 gallons
ccf = 100 cubic feet; approximately 748 gallons
gpcd = gallons per capita per day
mgd = million gallons per day

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ABOUT BAWSCA

The Bay Area Water Supply and Conservation Agency (BAWSCA) is a special district that provides regional water supply planning, resource development, and conservation program services to enhance the reliability of the 16 cities, 8 water districts, 1 university, and 1 investor-owned water company that provide water to over 1.8 million people and 40,000 commercial, industrial and institutional accounts in Alameda, Santa Clara and San Mateo Counties. BAWSCA was enabled by a special act of the California Legislature and was formed by its member agencies in 2003.

BAWSCA's water management objective is to ensure a reliable supply of high-quality water at a fair price to protect the health, safety, and economic well-being of the people, businesses, and community organizations within its service area.

BAWSCA is the only entity authorized under state law to directly represent the interests of its member agencies in matters related to the San Francisco Regional Water System (SF RWS). BAWSCA enables the customers of the SF RWS to work with the San Francisco Public Utilities Commission (SFPUC) on a united basis to ensure that the system is maintained, and to collectively and efficiently meet local responsibilities.

BAWSCA MEMBER AGENCIES

San Mateo County

In San Mateo County, BAWSCA and its member agencies serve a population of approximately 751,000 within a service area of approximately 185 square miles. BAWSCA member agencies that serve San Mateo County include: City of Brisbane, City of Burlingame, California Water Service (CWS) – Bear Gulch, CWS – Mid-Peninsula, CWS – South San Francisco, Coastside County Water District, City of Daly City, City of East Palo Alto, Estero Municipal Improvement District, Guadalupe Valley Municipal Improvement District (GVMID), Town of Hillsborough, City of Menlo Park, Mid-Peninsula Water District, City of Millbrae, North Coast County Water District, City of Redwood City, City of San Bruno, and Westborough Water District.

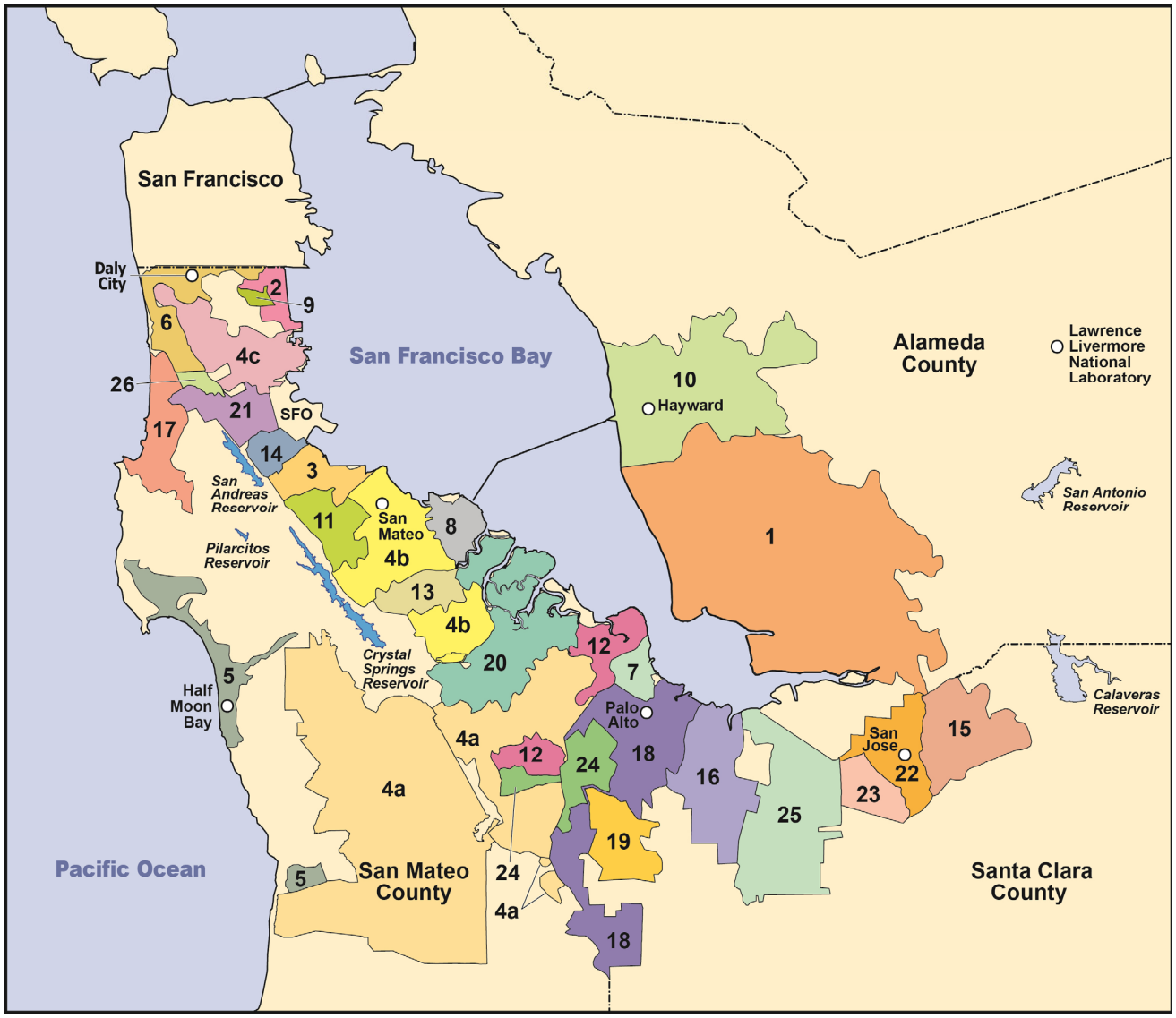
Santa Clara County

In Santa Clara County, BAWSCA and its member agencies serve a population of approximately 608,000 within a service area of approximately 117 square miles. BAWSCA member agencies that serve Santa Clara County include: City of Milpitas, City of Mountain View, City of Palo Alto, Purissima Hills Water District, San Jose Municipal Water System, City of Santa Clara, City of Sunnyvale, and Stanford University.

Alameda County

In Alameda County, BAWSCA and its member agencies serve a population of approximately 506,000 within a service area of approximately 166 square miles. BAWSCA member agencies that serve Alameda County include Alameda County Water District and the City of Hayward.

BAWSCA Members Map



Legend

1	Alameda County Water District
2	City of Brisbane
3	City of Burlingame
4a	CWS – Bear Gulch
4b	CWS – Mid-Peninsula
4c	CWS – South San Francisco
5	Coastside County Water District
6	City of Daly City
7	City of East Palo Alto
8	Estero Municipal Improvement District
9	Guadalupe Valley MID
10	City of Hayward
11	Town of Hillsborough
12	City of Menlo Park
13	Mid-Peninsula Water District
14	City of Millbrae
15	City of Milpitas
16	City of Mountain View
17	North Coast County Water District
18	City of Palo Alto
19	Purissima Hills Water District
20	City of Redwood City
21	City of San Bruno
22	San Jose Municipal Water System
23	City of Santa Clara
24	Stanford University
25	City of Sunnyvale
26	Westborough Water District

Sources: BAWSCA, San Mateo County General Plan

ANNUAL SURVEY OVERVIEW

Since 1996, BAWSCA and its predecessor organization, the Bay Area Water Users Association, has conducted an annual survey of its member agencies to update key BAWSCA service area information including projections of wholesale customer water demands and population. This document presents the results of the latest annual survey process, including:

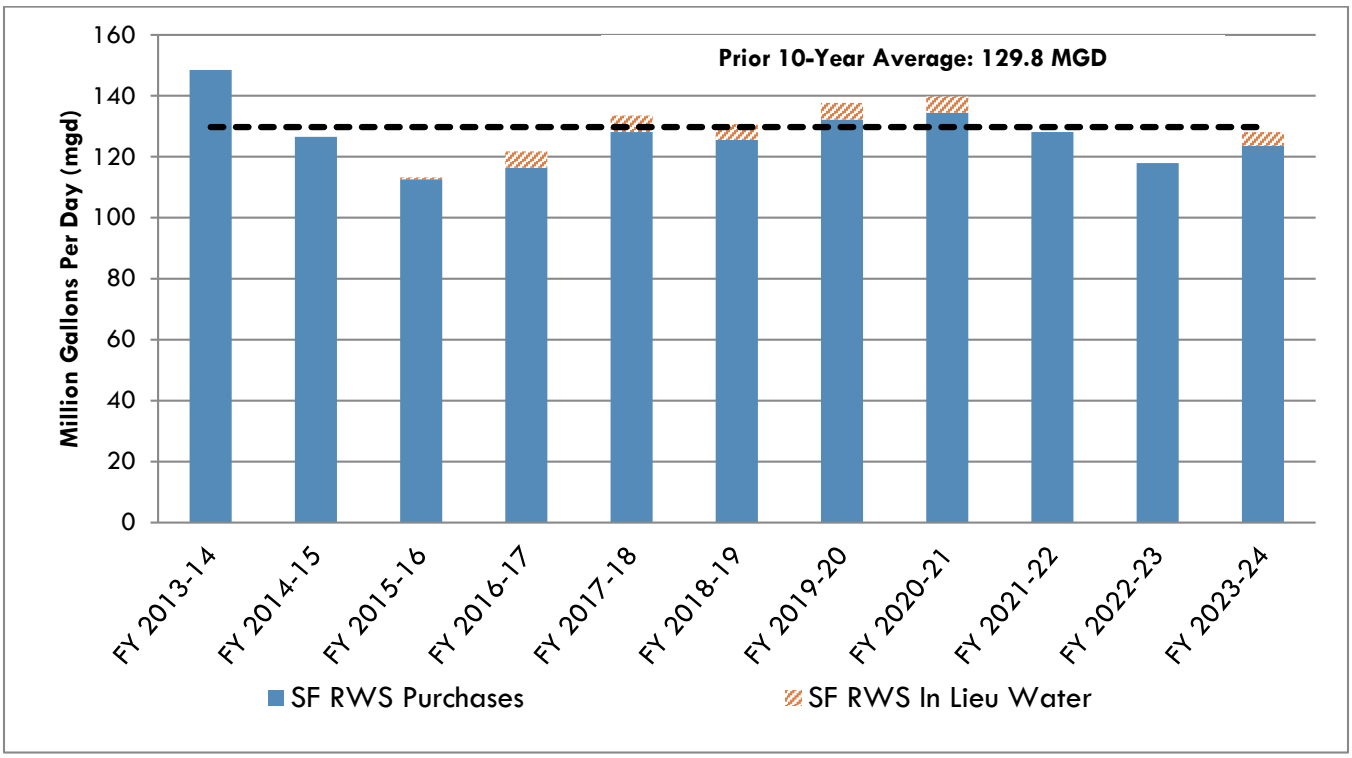
- ☐ Current water supply from each source
- ☐ Current and projected water purchases from SF RWS
- ☐ Projected water supplies and demands
- ☐ Consumption by customer class
- ☐ Current and projected population
- ☐ Per capita water use
- ☐ Single family water bills and rate structures
- ☐ BAWSCA member agency profiles

PURCHASES FROM SF RWS

Current Water Purchases from SF RWS

The San Francisco Public Utilities Commission (SFPUC) operates the SF RWS, which is the major source of supply for BAWSCA member agencies. In FY 2023-24, the BAWSCA member agencies reported SF RWS purchases of 123.6 mgd, 5% higher than the total of 117.9 mgd purchased in FY 2022-23. Due to FY 2023-24 being a GSR "storage" year, BAWSCA member agencies reported 4.4 mgd of In Lieu Water deliveries. Compared with the prior ten-year average, total purchases in FY 2023-24 were below average by 1.68 mgd. When compared to FY 2013-14, the highest year in the prior ten-year period, FY 2023-24 purchases were lower by 20.4 mgd, a difference of about 14%.

Figure ES-1: Past and Current SF RWS Purchases, Including In lieu Water (if applicable)



Projected Water Purchases from SFPUC

As part of SFPUC's action on the Program Environmental Impact Report (PEIR) for its Water System Improvement Program (WSIP), it made the decision to limit wholesale customer purchases from the SF RWS to 184 mgd and retail customer purchases from the SF RWS to 81 mgd. In June 2022, BAWSCA notified the SFPUC that the projected BAWSCA member agency purchases in FY 2035-36 are projected to be about 160 mgd. In FY 2045-46, BAWSCA member agency purchases from the SF RWS are projected to reach 170 mgd.

TOTAL WATER SUPPLY AND DEMAND

Current Water Supply by Source

The sources of supply used by BAWSCA member agencies are very consistent on a percentage basis, with supply breakdown by source typically varying by less than 2% from one year to the next. Of the total amount of water used by BAWSCA agencies in FY 2023-24, 66.9% came from the SF RWS and 33.1% came from other sources. These other sources included:

- ☐ Groundwater (15.12 mgd, 8.2%);
- ☐ Local surface water, primarily from ACWD's take from Lake Del Valle (6.97 mgd, 3.8%);
- ☐ Other supplies from the Santa Clara Valley Water District, the State Water Project, and ACWD's brackish water desalination (27.40 mgd, 14.8%); and
- ☐ Recycled water (7.21 mgd, 3.9%).

Figure ES-2: FY 2023-24 Water Use by Source

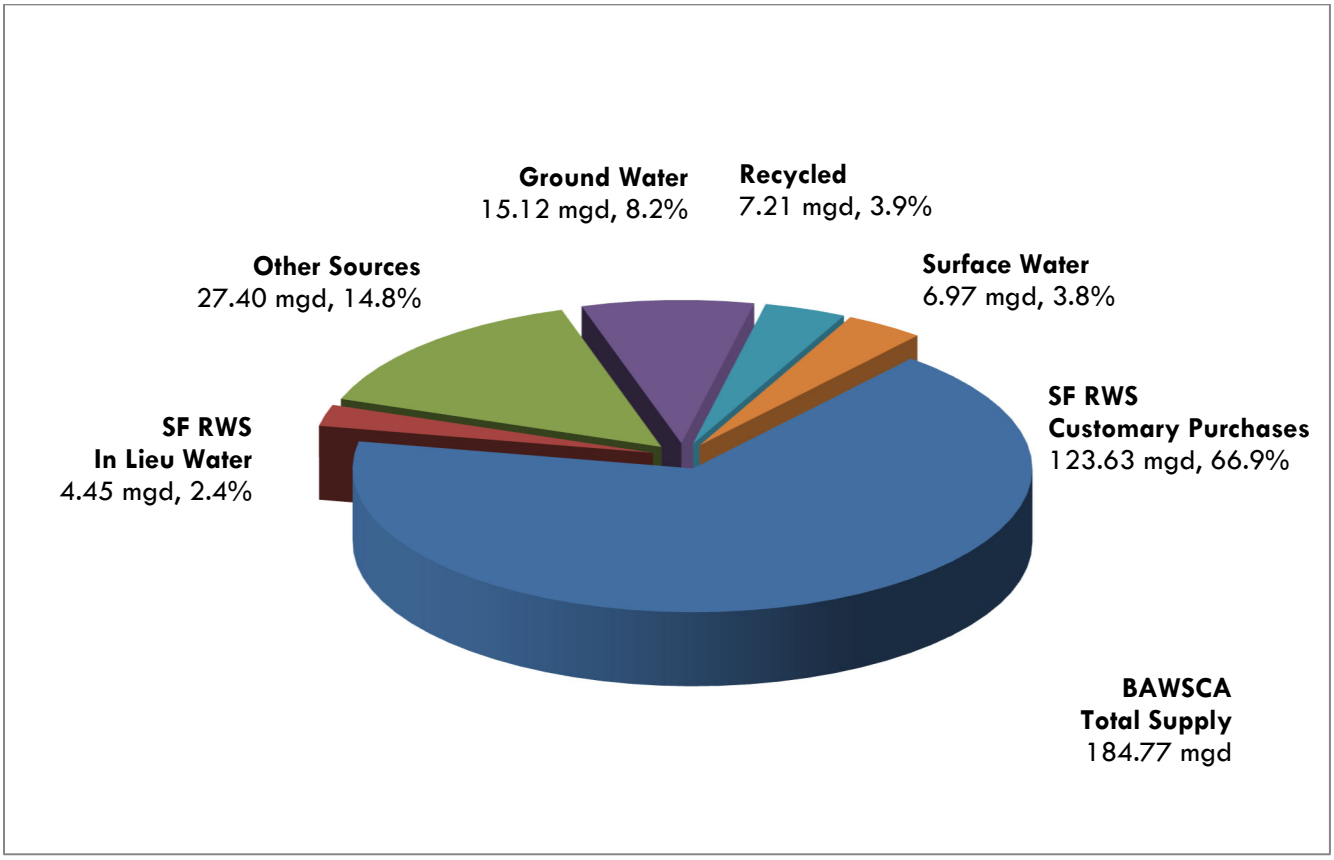
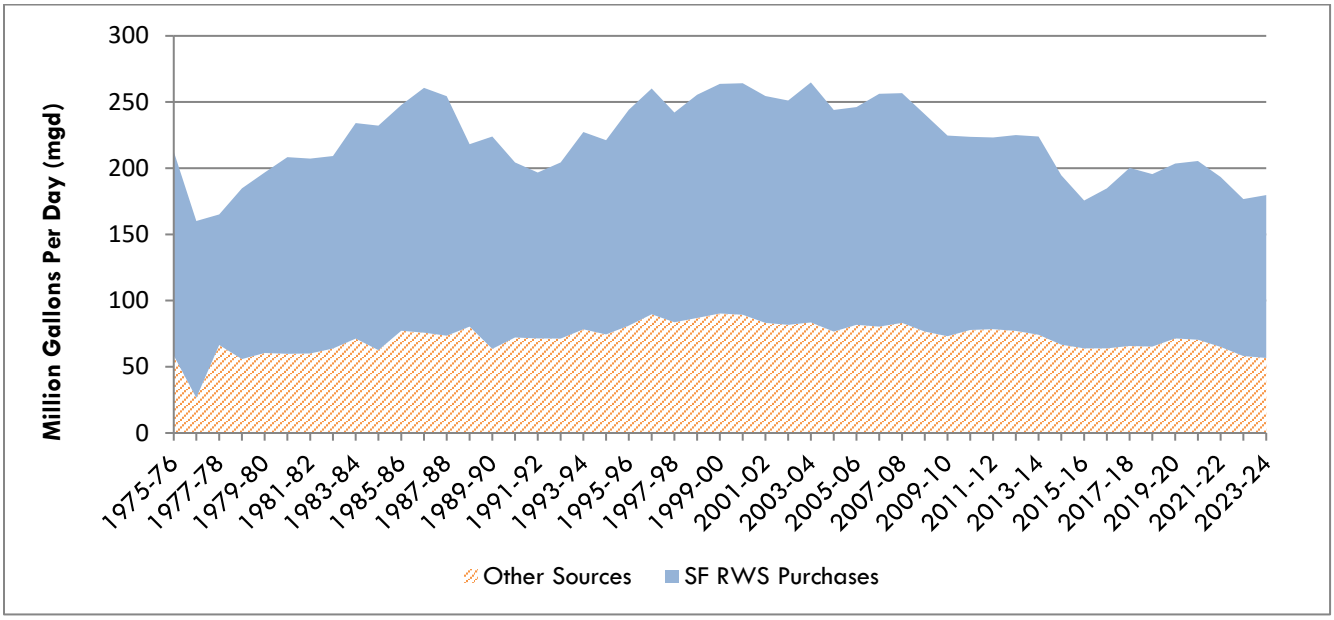


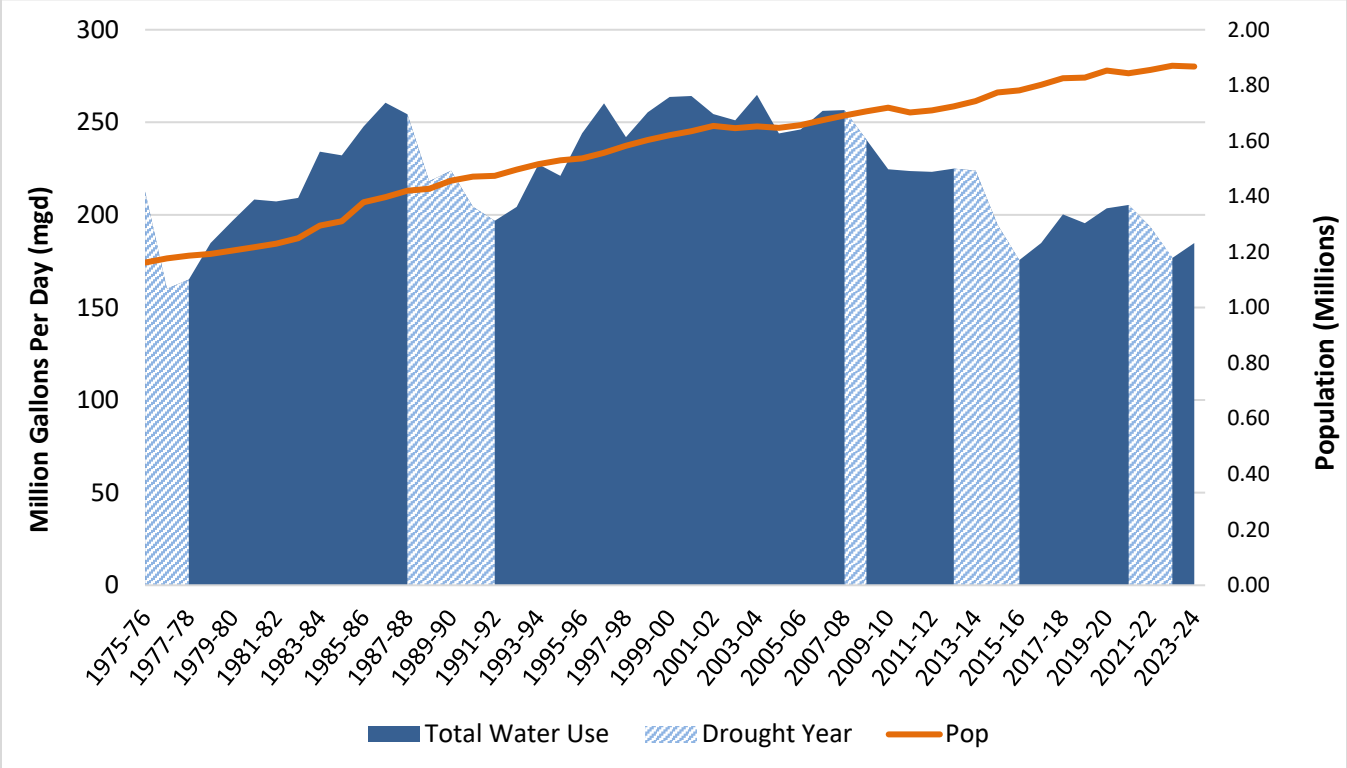
Figure ES-3: Past and Current Water Supply



Current BAWSCA-Wide Total Water Demand

For FY 2023-24, total water demand in the BAWSCA service area, including SFPUC purchases and other sources, was 184.77 mgd. In comparison, in FY 1996-97, BAWSCA-wide demand reached 260 mgd. When compared to FY 2012-13, water used in the BAWSCA service area was 18% less in FY 2023-24. In FY 2023-24, 32% less water was used in the service area compared to the peak year, FY 1986-87, despite a 29% population increase.

Figure ES-4: Past and Current Population and Water Demand



Projected Water Supplies and Demands

The total normal year water demands of the BAWSCA member agencies are projected to reach 267.22 mgd by FY 2045-46 (Source: BAWSCA FY 2023-24 Annual Survey). Of the total water demand, 2.84 mgd is projected to be met through additional active conservation beyond that already achieved within the BAWSCA service area. SF RWS purchases are anticipated to be 170.49 mgd in FY 2045-46. Recycled water supplies are projected to increase to 17.02 mgd by FY 2045-46.

Figure ES-5: Projected FY 2045-46 Water Use by Source

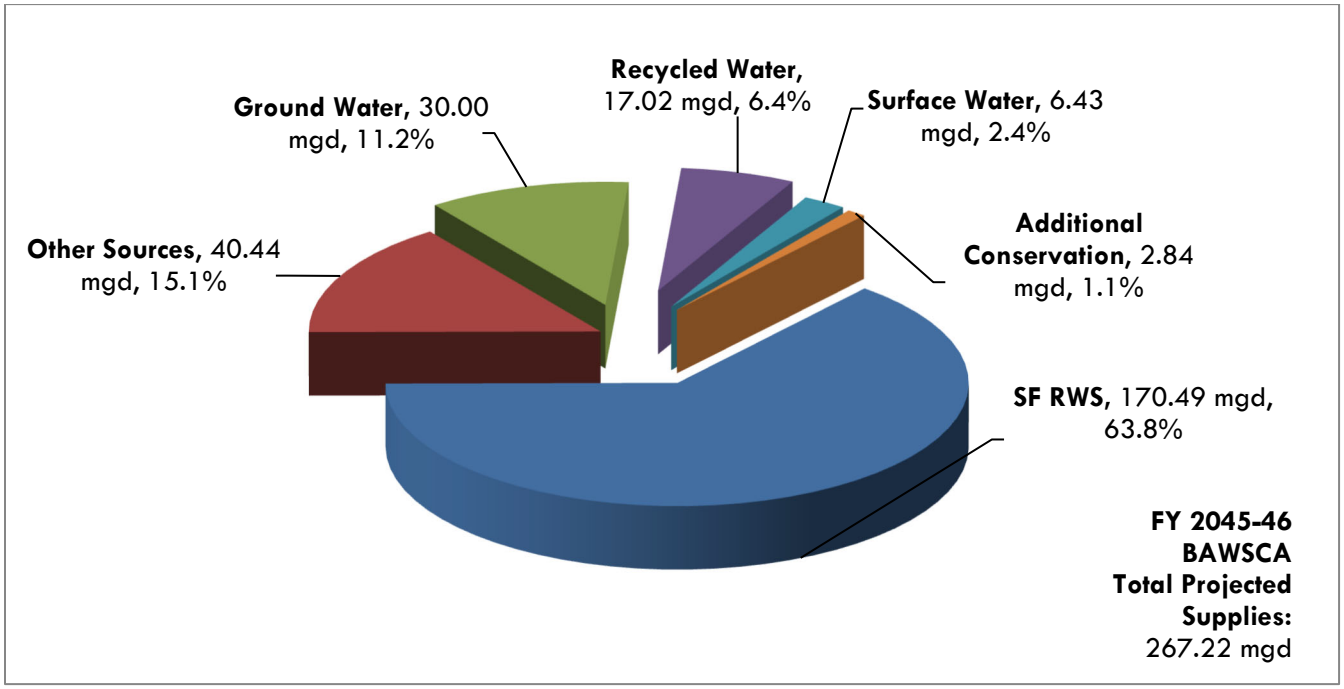
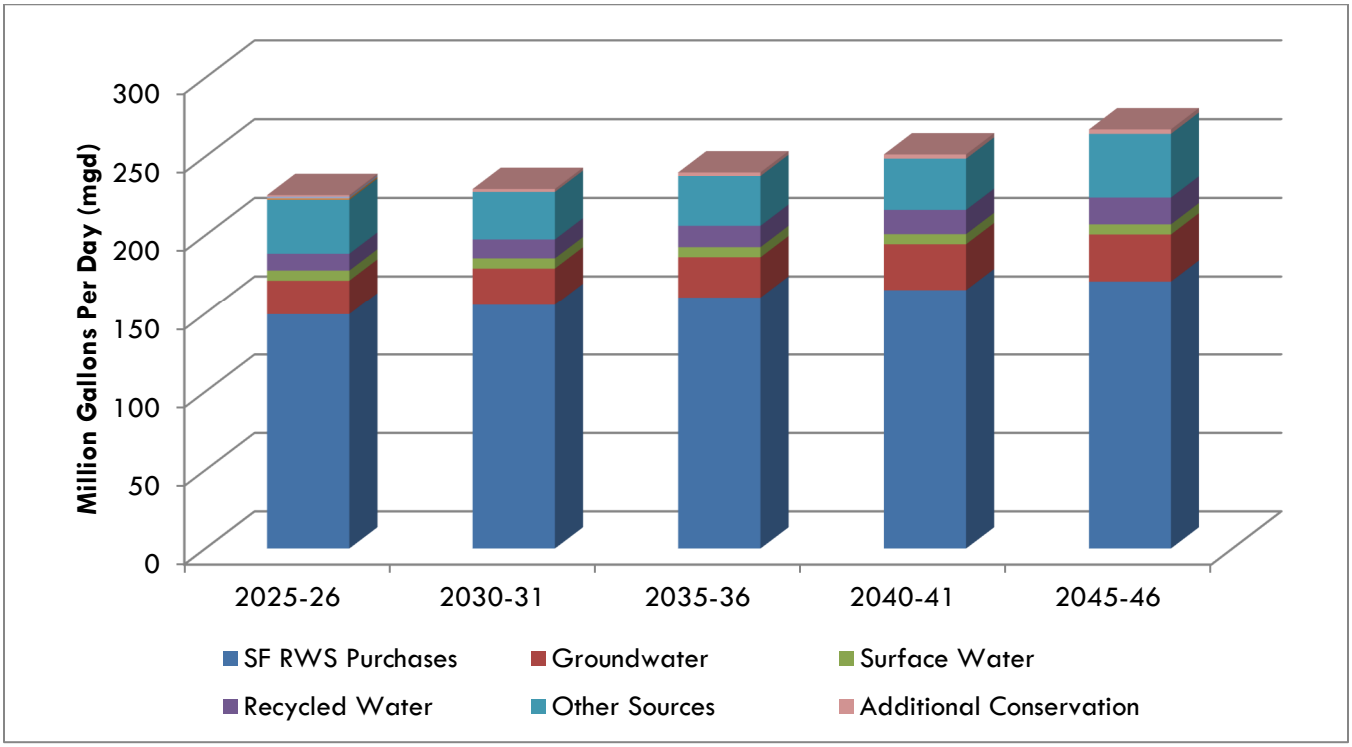


Figure ES-6: Projected Normal Year Water Supplies by Source



Meeting Projected Dry Year Water Demands

BAWSCA's Long-Term Reliable Water Supply Strategy Phase II Final Report (Strategy 2015), completed in 2015, does not project a regional need for additional water supplies to meet normal year demands through 2040.

The Strategy identified recommended actions to maximize the likelihood that BAWSCA and its member agencies can provide water when and where it is needed. These actions include:

- ☐ Lead water transfer development and implementation including identifying and evaluating water storage options;
- ☐ Facilitate desalination and advanced treatment supply project partnerships and pursue outside funding for related studies;
- ☐ Support member agency-identified projects (i.e. recycled water and groundwater) and local capture and reuse;
- ☐ Participate in regional planning studies in cooperation with others; and
- ☐ Continue monitoring regional water supply investments and policies.

BAWSCA is currently in the process of updating the Long-Term Reliable Water Supply Strategy for 2050. The work will be ongoing through the next couple of fiscal years, with work scheduled to be completed in 2027.

Tier 2 Drought Response Implementation Plan

Shortages on the Regional Water System are governed by two plans. The Tier 1 Plan apportions water between the San Francisco retail customers and Wholesale Customers collectively. The Tier 2 Plan is the methodology for allocating water from the Regional Water System among the Wholesale Customers. The Tier 1 and Tier 2 Plans apply during shortages on the Regional Water System of 20% or less. The existing Tier 2 Plan was adopted in 2011 and implemented for the first time in 2021. The Plan expired in 2018 but has been extended by one year, each year by the BAWSCA Board of Directors. Negotiations to update the Tier 2 Plan began in January 2022 and is expected to be unanimously adopted by the Wholesale Customers before the end of calendar year 2025.

CURRENT WATER USE BY CLASS OF CUSTOMER

As with the source of supply, BAWSCA's demand by customer class is relatively consistent over time on a percentage basis. Of the 184.77 mgd consumed among BAWSCA agencies in FY 2023-24 the residential sector accounted for 57.3% (105.79 mgd); commercial and industrial customers for 21.1% (39.00 mgd); government, institutional and other customers for 4.7% (8.77 mgd); dedicated irrigation for 9.5% (17.55 mgd); and non-revenue water for 7.4% (13.65 mgd).

In FY 2023-24, there were 440,742 accounts (service connections) in the entire BAWSCA service area, 88%, or 389,092, of which were residential.

Figure ES-7: FY 2023-24 Water Use by Customer Class

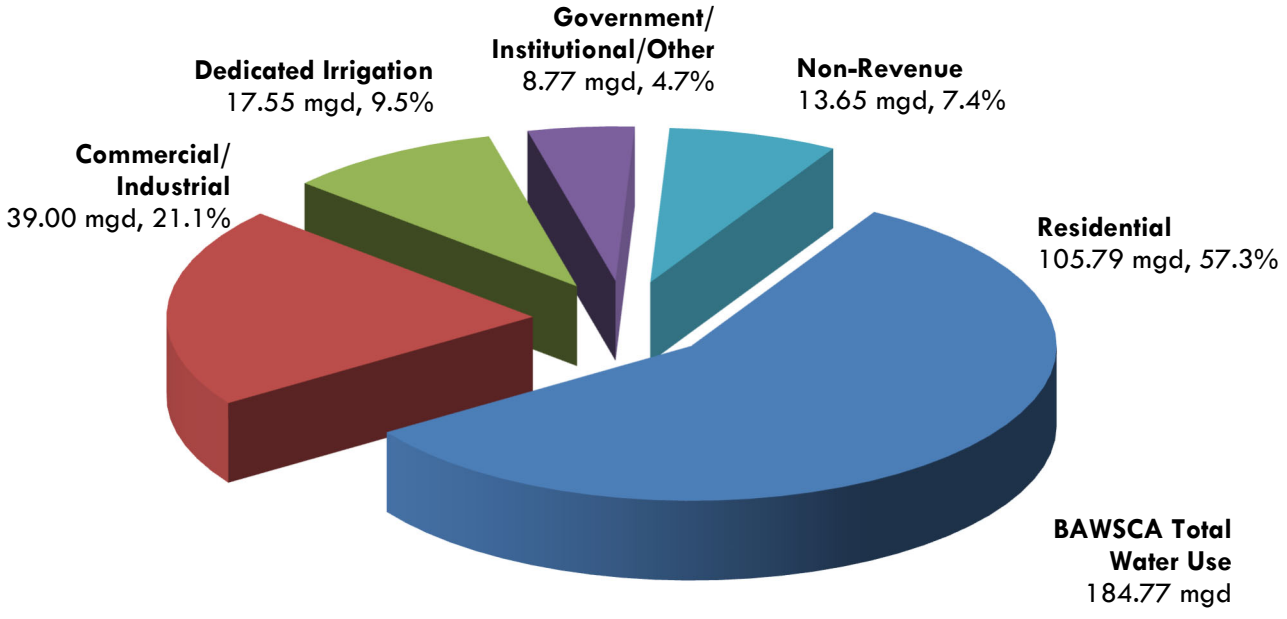


Figure 4B

CLIMATE DATA

FY 2023-24 was a relatively average year, with rainfall totals recorded at 4 representative locations in the BAWSCA service area that were, on average, 11% higher than the historical average from 1906 - 2024. In FY 2021-22 and FY 2022-23, rainfall totals recorded at these locations were 20% below average and 46% above average, respectively.

Figure ES-8: Historic and Current Precipitation Levels

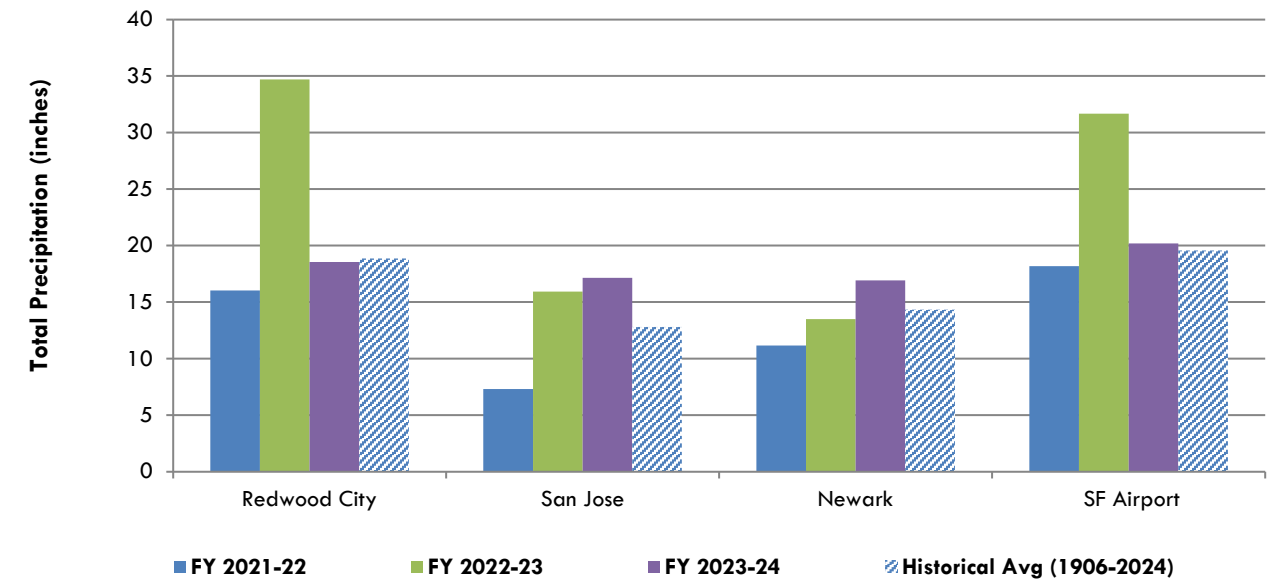


Figure 5A

POPULATION AND PER CAPITA WATER USE

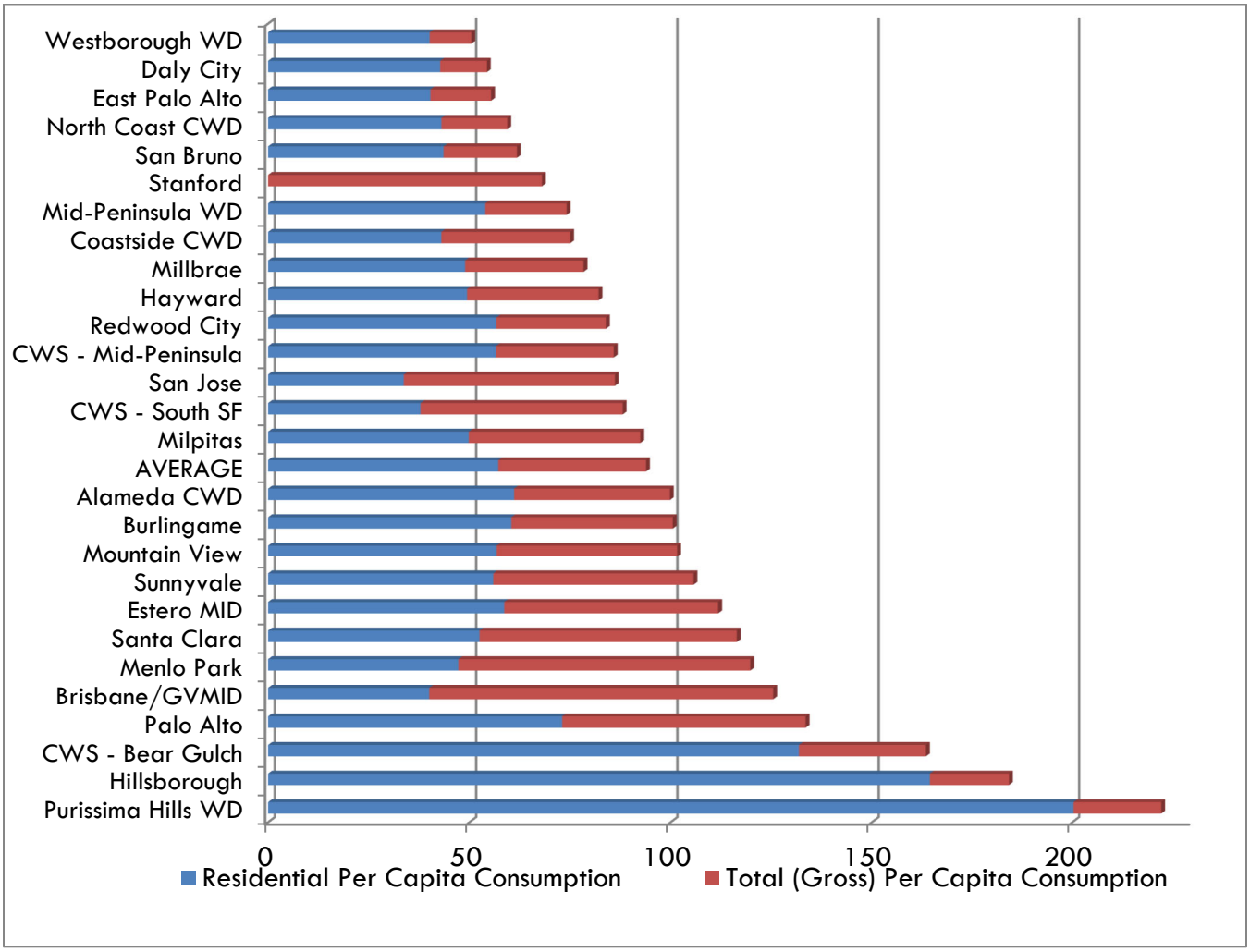
The population of the BAWSCA service area is estimated to have decreased from 1,870,589 to 1,867,284 between FY 2022-23 and FY 2023-24. The BAWSCA service area population is projected to reach 2,307,593 by FY 2045-46.

Average residential per capita consumption (excluding Stanford) in the BAWSCA service area was 57.16 gpcd in FY 2023-24, 4% more than the year before. This is 50% less than the estimated peak residential per capita consumption of 114.9 gpcd in FY 1975-76. In FY 2023-24, San Jose had the lowest residential per capita consumption at 34.7 gpcd while Purissima Hills WD had the highest at 200.3 gpcd.

In FY 2023-24, twenty BAWSCA member agencies had residential water use of less than 60 gallons per capita per day (gpcd), sixteen of which were below the service area average of 57 gpcd.

The average gross per capita consumption in the BAWSCA service area was 95.1 gpcd in FY 2023-24, 5% higher than FY 2022-23. At the peak in FY 1986-87, gross per capita consumption was 186.5 gpcd.

Figure ES-9: BAWSCA Member Agency Per Capita Water Use



Due to its unique service area, residential per capita consumption for Stanford University is excluded.

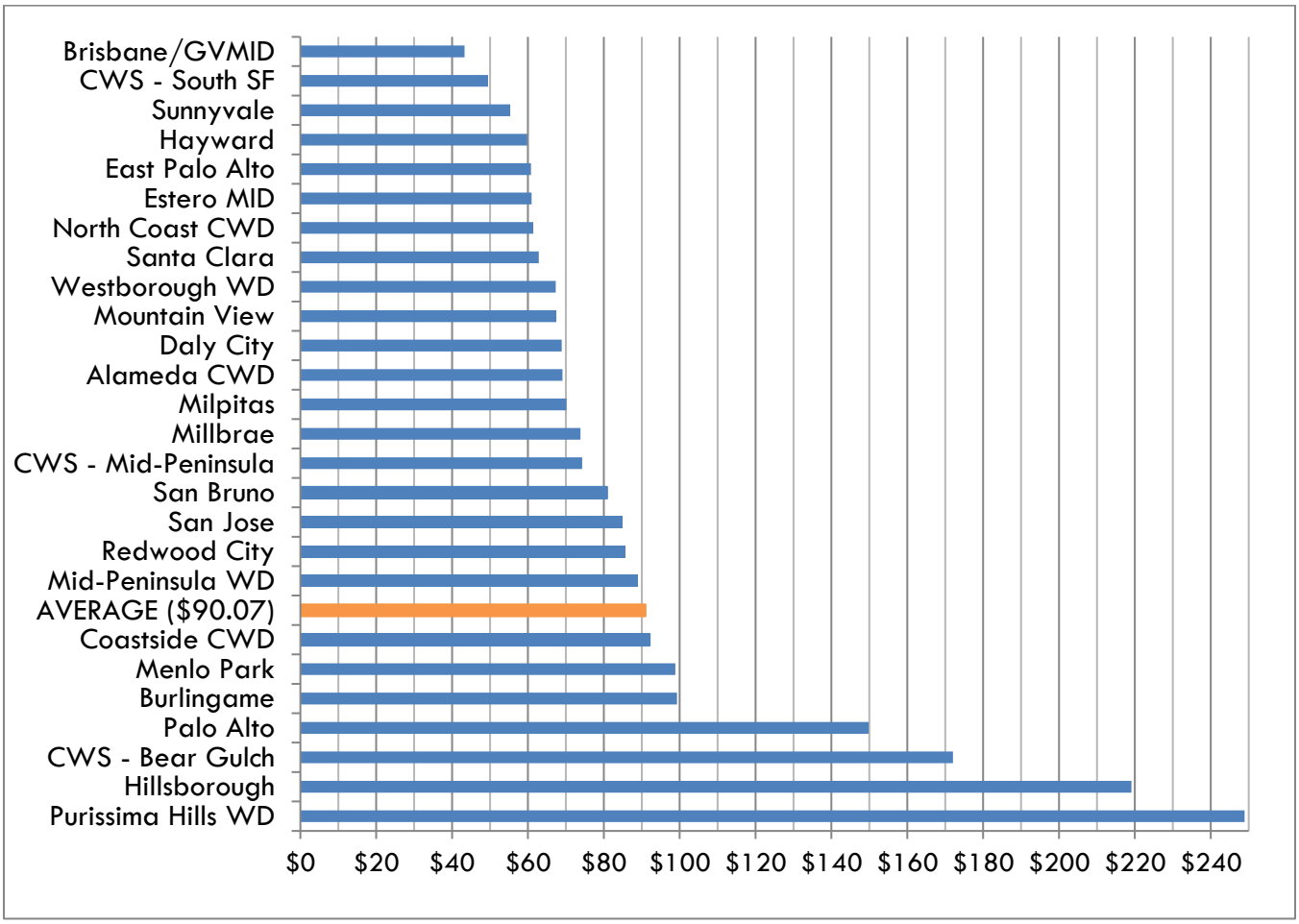
The small residential population base for Brisbane/GVMID artificially inflates the Gross Per Capita Consumption.

SINGLE FAMILY WATER RATE STRUCTURES

Water bill data has been calculated using each agency's single-family average monthly use. Among the BAWSCA agencies, the average bill ranged from a low of $43.29 for 4.2 units in the Brisbane/GVMID service area to a high of $248.93 for 24.2 units in Purissima Hills Water District. The average single-family water bill among the BAWSCA member agencies, inclusive of the service charge, was $90.97.

Seven BAWSCA member agencies (Alameda County Water District, East Palo Alto, Millbrae, Milpitas, San Jose, Santa Clara, and Westborough Water District) had a uniform rate structure in FY 2023-24, defined as a single rate per unit of water for all volumes used. The other agencies have an inclining block rate structure in which the rate per unit increases as the water use increases.

Figure ES-10: Average Single-Family Monthly Water Bill



1. BAWSCA Overview

BAY AREA WATER SUPPLY AND CONSERVATION AGENCY

155 Bovet Rd., Suite 650
San Mateo, CA 94402

Ph. (650) 349-3000 Fax: (650) 349-8395
E-Mail: BAWSCA@BAWSCA.org

Goals

A reliable supply of high quality water at a fair price.

Composition

BAWSCA is a special district that provides regional water supply planning, resource development, and conservation program services to enhance the reliability of the 16 cities, 8 water districts, 1 university, and 1 private water company that provide water to over 1.8 million people and 40,000 commercial, industrial and institutional accounts in Alameda, Santa Clara and San Mateo Counties.

BAWSCA was enabled by a special act of the California Legislature (AB 1823) and formed by its member agencies to protect the health, safety, and economic well-being of the people, businesses, and community organizations within its service area. BAWSCA's water management objective is to ensure a reliable supply of high quality water at a fair price.

Additionally, BAWSCA is the only entity having authority under state law to directly represent the interests of its member agencies with San Francisco and its agent, the San Francisco Public Utilities Commission (SFPUC), in matters related to the San Francisco Regional Water System (SF RWS). BAWSCA provides the ability for the customers of the SF RWS to work with San Francisco on an equal basis to ensure that the agencies and their customers pay only their fair and correct share of SF RWS costs, to see that the system gets fixed through successful implementation of the Water System Improvement Program (WSIP), and to collectively and efficiently meet local water supply responsibilities.

There is considerable variety among the BAWSCA member agencies. Beyond having different institutional charters (e.g., cities, districts, investor-owned utility, etc.), they vary on at least the following measures:

Size

BAWSCA member agencies range from very small (e.g., the City of Brisbane and Guadalupe Valley Municipal Improvement District, with a combined service area population of 4,862 and a service area of approximately 3 square miles) to quite large (e.g., Alameda County Water District, with a service area population of approximately 344,000 and a service area of 105 square miles).

Reliance on the San Francisco Regional Water System

Several of the BAWSCA member agencies are entirely dependent on the SF RWS for water supply. This is particularly the case in San Mateo County, which has limited groundwater or other water supply resources. However, several BAWSCA member agencies have developed, or are developing, their own local sources, or have access to water from the Santa Clara Valley Water District (SCVWD) or from the State Water Project. Coastside County Water District is the only BAWSCA member agency that receives untreated SF RWS water. All of the other BAWSCA member agencies receive treated water from the SF RWS. Collectively, 67% of all water delivered by the BAWSCA member agencies came from the SF RWS in FY 2023-24.

Customer Mix

Most BAWSCA member agencies serve a mix of single family residential, multi-family residential, commercial, and industrial customers, in varying proportions. Several of the BAWSCA member agencies serve largely or entirely residential communities (e.g., Hillsborough, Purissima Hills Water District, and North Coast County Water District). One, Guadalupe Valley Municipal Improvement District, primarily serves an industrial area and a small residential community. Nearly 90% of all service connections in the BAWSCA service area are residential, with residential use comprising 57% of total potable demand in FY 2023-24.

Climate

The BAWSCA member agencies located on the northern and coastal portions of San Mateo County have the cool temperatures and summer fog characteristics similar to San Francisco. Others in southern San Mateo County, northern Santa Clara County, and southern Alameda County have summer temperatures typically 20 degrees higher than those in San Francisco.

Land Use

None of the BAWSCA member agencies have a population density comparable to that of San Francisco (about 17,000 persons per square mile). But some (e.g., Daly City and South San Francisco) do have residential housing stock similar to that of the Sunset and Richmond Districts in western San Francisco. Others have much larger lots (with far more green space per residence) and consequently, significantly higher outdoor irrigation demands.

Water Use

Residential per capita water use correlates with land use, lot size, climate, and household income. In FY 2023-24, residential per capita water use continued to track with some of the lowest per capita water use since the FY 2014-17 drought. Per capita use in the wholesale service area ranged from a low of 34 gallons per capita per day (gpcd) to a high of 200 gpcd. Average residential use is 57 gpcd (See Table 7A).

Governance

BAWSCA is governed by a 26-member Board of Directors comprised of respected community leaders. Each of the 24 cities and water districts that are member agencies of BAWSCA appoint a director to the board. In addition, the Santa Clara County Board of Supervisors appoints a director for Stanford University and the San Mateo County Board of Supervisors appoints a director for the California Water Service Company.

Organization and Budget

Day-to-day leadership is provided by the Chief Executive Officer/General Manager, Nicole Sandkulla, who is supported by a staff of eight. A standing Board Policy Committee, comprised of board members, advises the CEO and the full board on policy matters. The agency's FY 2023-24 budget was $5.06M, funded through individual agency assessments. In addition, BAWSCA plans and administers water conservation programs throughout the region funded by the agencies that choose to participate.

Organizational Challenges

BAWSCA's strategic challenges include:

☐ Developing and implementing the Long-Term Reliable Water Supply Strategy to ensure that water supply needs for the BAWSCA members will be adequately met in times of drought and in the future.

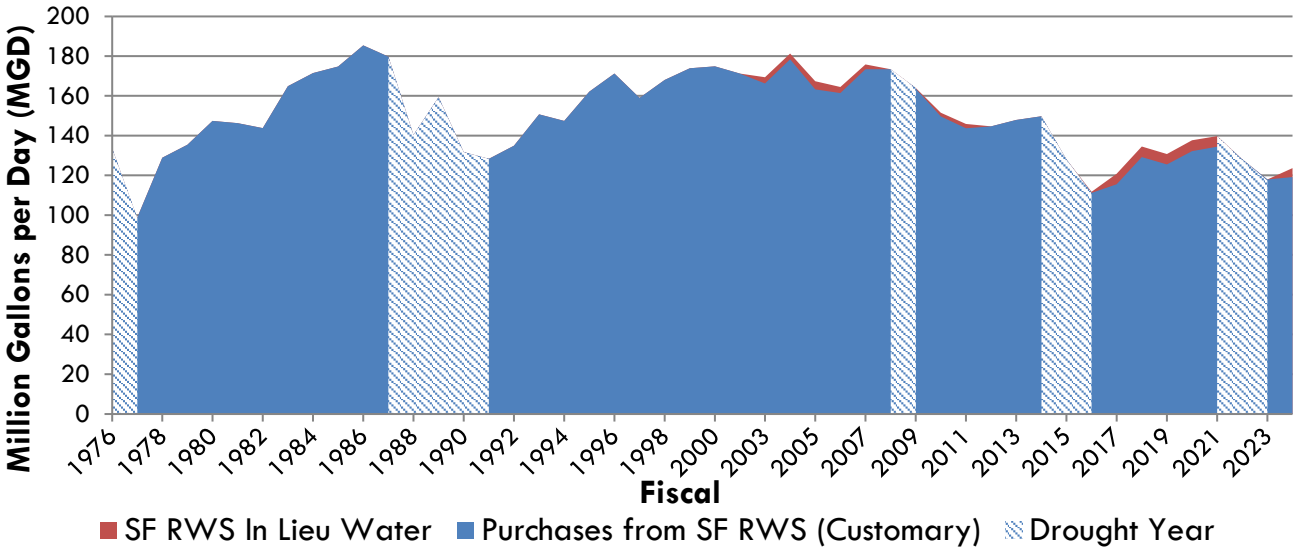
- ☐ Monitoring the SFPUC to ensure it operates and maintains the regional water system; including planning and implementing a capital plan to ensure that San Francisco can meet its long term legal and contractual obligations to the wholesale customers in a cost-effective manner with costs fairly allocated between San Francisco retail and BAWSCA member agencies.
- ☐ Administering the Water Supply Agreement between San Francisco and its Wholesale Customers.
- ☐ Encouraging and assisting implementation of cost-effective water conservation and wastewater recycling programs.
- ☐ Encouraging communities to prepare for long-term water outages.
- ☐ Maintaining support from BAWSCA's political, community, and private allies.

Table 1: BAWSCA Members Summary – FY 2023-24

BAWSCA Members Summary - FY 2023-24				
	Service Population	Water Purchased / Produced (mgd) SF RWS*	Total	Communities Served (all or portions of)
San Mateo County				
City of Brisbane / Guadalupe Valley Municipal Improvement District	4,862	0.61	0.61	Brisbane, nearby unincorporated areas, and GVMID, an industrial park and small residential community within the City of Brisbane
City of Burlingame	31,457	3.16	3.16	City of Burlingame, and nearby unincorporated areas
California Water Service Company	262,924	27.31	27.46	Atherton, Colma, Daly City, Los Altos, Menlo Park, Portola Valley, parts of unincorporated Redwood City, San Carlos, San Mateo, South San Francisco, Woodside and nearby unincorporated areas
CalWater-BG	61,175	10.00	10.00	
CalWater-MP	137,628	11.82	11.82	
CalWater-SSF	64,121	5.50	5.65	
Coastside County Water District	18,940	0.87	1.42	Half Moon Bay and nearby unincorporated areas
City of Daly City	98,000	3.13	5.24	Daly City and nearby unincorporated areas
City of East Palo Alto	27,638	1.53	1.53	City of East Palo Alto, Menlo Park, and nearby unincorporated areas
Estero Municipal Improvement District	35,556	3.98	3.98	Foster City and small parts of San Mateo
Town of Hillsborough	11,766	2.17	2.17	Hillsborough and nearby unincorporated areas
City of Menlo Park	21,340	2.56	2.56	Menlo Park west of Altschul Avenue and east of El Camino Real. Portions of Redwood City & Town of Portola Valley
Mid-Peninsula Water District	30,609	2.27	2.27	Belmont, a portion of San Carlos, and nearby unincorporated areas
City of Millbrae	22,087	1.73	1.73	Millbrae and nearby unincorporated areas
North Coast County Water District	36,426	2.16	2.20	Pacifica and nearby unincorporated areas
City of Redwood City	91,874	7.71	8.23	Redwood City, parts of San Carlos and Woodside, and nearby unincorporated areas
City of San Bruno	44,745	2.62	2.77	San Bruno and nearby unincorporated areas
Westborough Water District	13,486	0.68	0.68	South San Francisco
Subtotal	751,710	62.48	66.01	
Santa Clara County				
City of Milpitas	81,773	5.32	8.30	Milpitas
City of Mountain View	81,501	7.36	8.76	Mountain View and nearby unincorporated areas
City of Palo Alto	67,901	9.07	10.02	Palo Alto and nearby unincorporated areas
Purissima Hills Water District	6,245	1.39	1.39	Los Altos Hills and unincorporated areas
San Jose Municipal Water District	45,559	3.89	4.67	North San Jose/Alviso and nearby unincorporated areas
City of Santa Clara	130,746	2.74	18.75	Santa Clara and nearby unincorporated areas
Stanford University	37,329	1.49	2.54	Stanford University
City of Sunnyvale	157,566	9.40	16.65	Sunnyvale and nearby unincorporated areas
Subtotal	608,620	40.66	71.08	
Alameda County				
Alameda County Water District	344,000	10.23	34.34	Union City, Newark, Fremont and nearby unincorporated areas
City of Hayward	162,954	13.18	13.34	Hayward and nearby unincorporated areas
Subtotal	506,954	23.40	47.68	
Total All Agencies	1,867,284	126.5	184.77	
*Includes SF RWS In Lieu Water (if applicable)				

2. Past and Current Purchases from SF RWS

Figure 2A: Past and Current Purchases from SF RWS



Note: Some data points corrected from values shown in prior surveys.

Table 2A: Past and Current Purchases from SF RWS and Relationship to Supply Guarantee (in ccf) (Excluding In Lieu Water)

	Member	Supply Guarantee	mgd Equiv	Predrought FY 1986-87	mgd Equiv	Actual FY 2013-14	Actual FY 2014-15	Actual FY 2015-16	Actual FY 2016-17	Actual FY 2017-18	Actual FY 2018-19	Actual FY 2019-20	Actual FY 2020-21	Actual FY 2021-22	Actual FY 2022-23	Actual FY 2023-24	mgd Equiv	2023-24/ 2022-23 % Change	2023-24 Purchases as % of Guarantee
San Mateo County																			
*	Brisbane **	224,435	0.46	171,507	0.35	302,776	280,029	257,414	294,756	334,217	323,917	310,127	303,604	298,906	258,323	297,752	0.61	15.3	62.2
*	Burlingame	2,553,753	5.23	2,531,707	5.19	2,001,619	1,791,539	1,505,779	1,592,044	1,695,956	1,669,182	1,696,711	1,604,743	1,640,372	1,444,244	1,543,145	3.16	6.8	60.4
	California Water Service *	17,320,807	35.50	17,393,987	35.65	16,361,264	13,839,271	11,584,178	11,851,282	13,457,975	12,894,379	14,150,396	14,394,881	14,056,876	12,809,434	12,730,886	26.09	-0.6	73.5
	Coastside CWD	1,061,453	2.18	600,257	1.23	940,214	727,298	575,225	515,655	464,037	547,861	496,627	705,680	468,075	346,993	422,524	0.87	21.8	39.8
	Daly City	2,094,386	4.29	2,264,684	4.64	1,713,514	1,654,762	2,152,800	1,867,312	1,717,837	1,804,183	1,939,670	1,722,950	1,776,082	1,530,084	1,527,903	3.13	-0.1	73.0
*	East Palo Alto	1,689,714	3.46	1,041,989	2.14	723,320	768,310	690,728	734,911	772,528	763,315	764,033	743,205	699,368	672,814	745,804	1.53	10.8	44.1
*	Estero MID	2,878,807	5.90	2,854,051	5.85	1,942,333	1,930,526	1,768,029	1,874,751	2,068,753	1,969,663	2,115,607	2,101,104	1,887,409	1,833,938	1,939,984	3.98	5.8	67.4
*	Guadalupe Valley MID	254,436	0.52	155,074	0.32	Included with Brisbane													
*	Hillsborough	1,995,644	4.09	1,996,150	4.09	1,599,812	1,226,777	1,050,944	1,139,003	1,234,547	1,124,778	1,280,605	1,314,680	1,141,504	1,000,717	1,057,159	2.17	5.6	53.0
	Los Trancos			34,848	0.07														
*	Menlo Park	2,174,231	4.46	1,958,458	4.01	1,724,965	1,287,136	1,074,516	1,153,760	1,393,425	1,383,605	1,442,176	1,379,039	1,195,123	1,070,006	1,247,376	2.56	16.6	57.4
*	Mid-Peninsula WD	1,898,707	3.89	1,888,074	3.87	1,408,109	1,209,300	1,076,654	1,134,389	1,221,454	1,220,573	1,295,922	1,273,998	1,172,923	1,055,377	1,107,642	2.27	5.0	58.3
*	Millbrae	1,538,120	3.15	1,528,426	3.13	1,134,741	991,049	899,785	918,695	992,853	949,277	927,939	906,122	900,514	850,047	844,675	1.73	-0.6	54.9
*	North Coast CWD	1,872,928	3.84	1,618,649	3.32	1,387,578	1,360,780	900,293	1,089,419	1,169,151	1,119,762	1,157,526	1,172,219	1,068,893	1,024,588	1,056,221	2.16	3.1	56.4
*	Redwood City	5,333,115	10.93	5,253,772	10.77	4,407,672	3,789,370	3,508,414	3,820,098	4,130,668	3,943,761	4,276,459	4,137,728	3,855,958	3,536,397	3,761,997	7.71	6.4	70.5
	San Bruno	1,583,899	3.25	1,748,600	3.58	779,582	584,392	637,586	383,693	419,589	420,116	465,406	444,989	507,220	593,241	451,523	0.93	-23.9	28.5
	Skyline			62,726	0.13														
*	Westborough WD	644,172	1.32	585,151	1.20	433,980	377,034	390,753	356,722	383,996	379,833	400,616	373,994	301,090	339,960	332,246	0.68	-2.3	51.6
	Subtotal	45,118,607	92.46	43,688,110	89.53	36,861,479	31,817,573	28,073,098	28,726,490	31,456,987	30,514,206	32,719,820	32,578,936	30,970,313	28,366,163	29,066,837	59.57	2.5	64.4
Santa Clara County																			
	Milpitas	4,504,533	9.23	4,370,757	8.96	3,194,000	2,503,640	2,215,396	2,391,431	2,538,687	2,585,031	2,886,833	2,647,856	2,251,779	2,230,517	2,598,121	5.32	16.5	57.7
	Mountain View	6,079,714	12.46	6,435,554	13.19	4,373,263	3,611,194	3,305,780	3,485,016	3,617,700	3,519,587	3,740,804	3,855,612	3,581,200	3,279,562	3,589,710	7.36	9.5	59.0
*	Palo Alto	8,087,730	16.57	8,009,767	16.41	5,600,519	4,723,751	4,006,084	4,382,560	4,859,576	4,600,990	4,757,199	4,953,805	4,709,184	4,210,400	4,424,761	9.07	5.1	54.7
*	Purissima Hills	792,832	1.62	755,077	1.55	982,100	803,313	640,369	689,261	814,270	770,703	851,999	925,721	799,210	639,836	677,300	1.39	5.9	85.4
	San Jose	0	0.00	1,541,153	3.16	2,272,262	2,151,905	1,997,596	2,024,785	2,208,892	2,084,721	2,077,874	2,039,631	2,004,207	1,817,070	1,899,283	3.89	4.5	n/a
	Santa Clara	0	0.00	2,429,766	4.98	1,012,567	914,572	1,135,829	970,987	1,039,840	1,474,198	1,596,791	1,576,338	1,515,536	1,407,256	1,336,399	2.74	-5.0	n/a
	Stanford	1,479,764	3.03	1,485,396	3.04	1,024,277	923,813	679,394	695,088	725,276	697,159	699,352	659,830	714,224	677,245	729,329	1.49	7.7	49.3
	Sunnyvale	6,138,122	12.58	7,228,076	14.81	4,046,527	3,874,640	3,894,246	4,066,178	4,435,240	4,394,289	4,552,465	4,686,275	4,490,366	3,866,964	4,585,694	9.40	18.6	74.7
	Subtotal	27,082,695	55.50	32,255,546	66.10	22,505,515	19,506,828	17,874,694	18,705,306	20,239,481	20,126,678	21,163,317	21,345,068	20,065,706	18,128,850	19,840,597	40.66	9.4	73.3
Alameda County																			
	Alameda CWD	6,714,439	13.76	6,039,273	12.38	5,684,760	3,770,320	3,037,166	3,081,217	3,716,845	3,798,529	3,840,640	4,585,161	4,625,134	4,738,636	4,989,706	10.23	5.3	74.3
*	Hayward **1**	6,821,848	13.98	8,504,158	17.43	7,402,067	6,634,616	5,979,616	6,281,522	7,101,954	6,821,848	6,794,224	7,098,330	6,854,523	6,301,398	6,430,378	13.18	2.0	94.3
	Residual **1**	4,048,507	8.30																
	Subtotal	17,584,794	36.04	14,543,431	29.80	13,086,827	10,404,936	9,016,782	9,362,739	10,818,799	10,620,377	10,634,864	11,683,491	11,479,657	11,040,035	11,420,084	23.40	3.4	64.9
	Total	89,786,096	184.00	90,487,087	185.44	72,453,821	61,729,337	54,964,574	56,794,535	62,515,266	61,261,261	64,518,001	65,607,495	62,515,676	57,535,047	60,327,518	123.63	4.9	67.2
	mgd equiv	184.00		185.44		148.48	126.50	112.64	116.39	128.11	125.54	132.22	134.45	128.11	117.91	123.63		4.9	
	Total w/o SC&SJ	89,786,096		86,516,168		69,168,992	58,662,860	51,831,149	53,798,763	59,266,535	57,702,342	60,843,336	61,991,526	58,995,933	54,310,721	57,091,836	117.00	5.1	63.6
	mgd equiv	184.00		177.30		141.75	120.22	106.22	110.25	121.46	118.25	124.69	127.04	120.90	111.30	117.00		5.1	

* Agencies receiving 100% of their supply from the SF RWS (16 total). ** Inclusive of Guadulupe Valley MID beginning in FY 2010-1 *** Inclusive of Bear Gulch, Mid-Peninsula, and South San Francisco districts.

1 Hayward has a unique contract that does not place quantified limits on their purchases from SF RWS. For reporting purposes here, the "supply guarantee" shown for Hayward is their current year purchase (FY 2017-18). The "Residual" total is a calculated number to bring the total to 184 mgd.

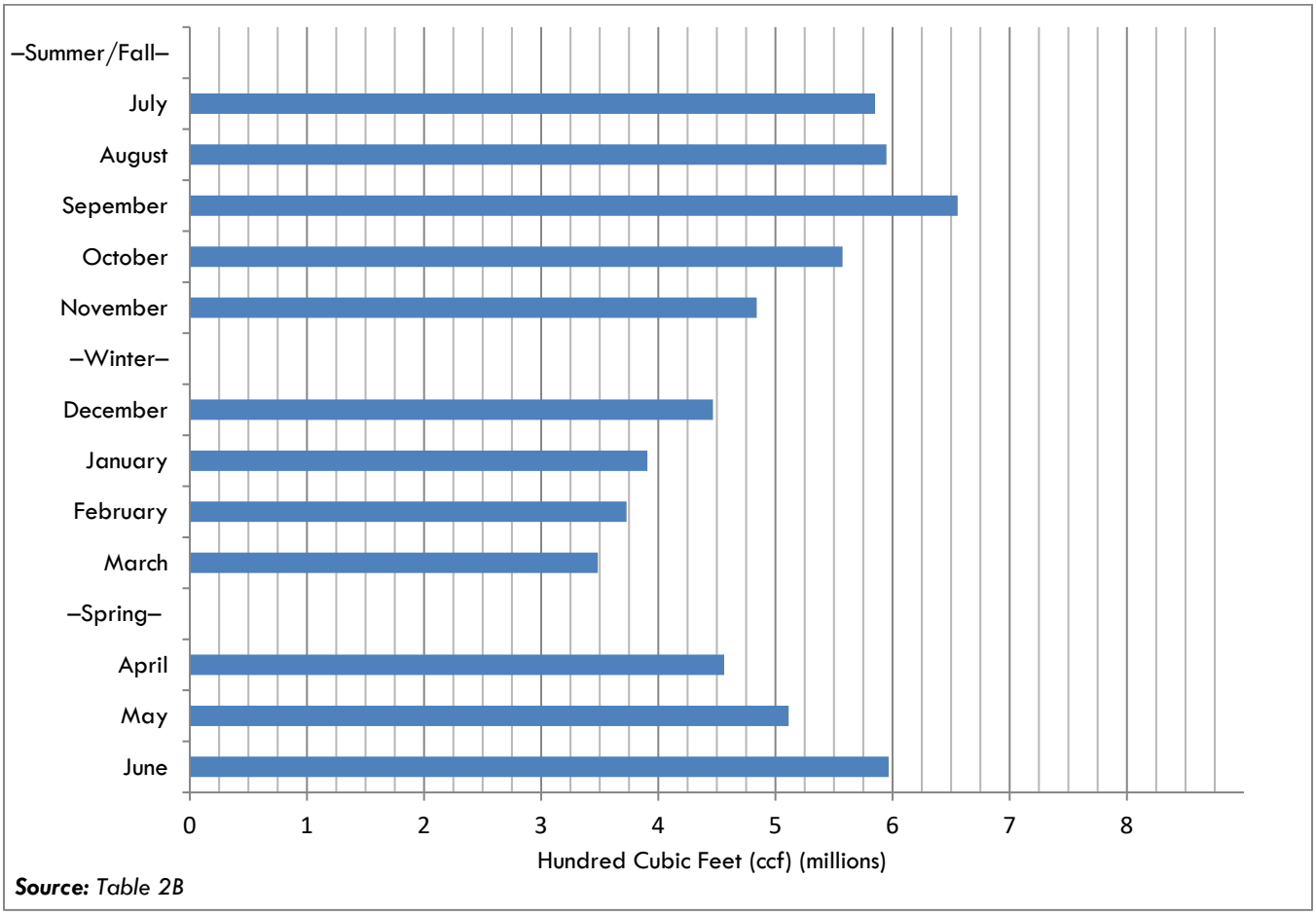
Note: Some agencies purchase SF RWS water which is then conveyed to a neighboring agency. The receiving agency is credited with this purchase; the transferring agency debited. This does not include the specific purchase of water by the City of San Bruno from North Coast County Water District.

Note: Beginning in FY 2015-16, Daly City, CWS-South San Francisco, and San Bruno began participating in the Regional Groundwater Storage and Recovery Program whereby surplus surface water is delivered in lieu of groundwater pumping. Additional surface water supplies are utilized in lieu of groundwater pumping when available. Values shown above exclude In Lieu Water deliveries.

Note: In June 2017, Mountain View transferred 1 mgd of Supply Guarantee to East Palo Alto. In July 2018, Palo Alto transferred 0.5 mgd of Isg to East Palo Alto. The Supply Guarantee in the above table reflects these transfers.

Source: *BAWSCA Annual Surveys*

Figure 2B: Monthly/Seasonal Purchases from SF RWS among BAWSCA Members – FY 2023-24



Source: *Table 2B*

Table 2B: Monthly/Seasonal Purchases from SF RWS Among BAWSCA Members – FY 2023-24 (in ccf) SFPUC Commercial Division Records Data

SFPUC Commercial Division Records Data [1]

		Summer/Fall						Winter					Spring				Year	
	Member	July	Aug	Sept	Oct	Nov	Total	Dec	Jan	Feb	March	Total	April	May	June	Total	Total	mgd
*	Alameda CWD	431,901	424,729	461,033	465,575	309,548	**2,092,787**	300,443	275,195	345,377	305,583	**1,226,598**	571,489	611,650	363,103	**1,546,242**	4,865,627	9.97
	Brisbane	19,834	18,507	23,408	19,718	20,095	**101,562**	20,520	16,060	15,911	18,100	**70,590**	17,338	18,096	22,729	**58,164**	230,316	0.47
	Burlingame	160,811	143,136	174,111	141,379	129,214	**748,650**	109,264	103,225	98,437	93,501	**404,427**	109,685	122,148	159,129	**390,962**	1,544,040	3.16
*	CWS - Bear Gulch	630,169	566,161	675,347	508,427	424,536	**2,804,640**	261,809	221,425	187,588	182,443	**853,265**	246,949	400,605	589,893	**1,237,447**	4,895,353	10.03
	CWS - Mid Peninsula	559,554	533,119	654,983	519,311	476,005	**2,742,972**	358,959	452,536	357,796	379,698	**1,548,988**	386,899	416,527	583,040	**1,386,466**	5,678,427	11.64
*	CWS - South SF **2**	208,082	176,647	246,162	187,880	192,065	**1,010,835**	170,803	130,211	148,504	130,656	**580,174**	139,700	166,852	186,794	**493,346**	2,084,355	4.27
*	Coastside CWD	34,700	50,331	37,507	49,045	56,052	**227,635**	6,654	18,822	3,582	31,430	**60,488**	29,455	35,951	49,334	**114,740**	402,863	0.83
*	Daly City **2**	66,911	92,201	138,429	108,157	108,509	**514,207**	108,946	79,133	111,088	120,741	**419,908**	111,542	125,154	163,027	**399,724**	1,333,839	2.73
	East Palo Alto	75,628	65,127	78,456	65,092	63,326	**347,630**	59,512	55,634	53,464	57,935	**226,545**	69,474	68,515	67,066	**205,055**	779,230	1.60
	Estero MID	207,539	185,160	215,735	169,142	154,536	**932,112**	129,057	99,985	99,788	106,113	**434,942**	112,308	146,888	193,870	**453,066**	1,820,120	3.73
	Guadalupe Valley MID	7,375	7,093	8,350	5,779	6,016	**34,613**	6,914	5,459	5,134	3,586	**21,093**	3,816	3,861	5,663	**13,339**	69,046	0.14
	Hayward	652,678	602,427	683,922	574,362	535,697	**3,049,087**	434,703	440,186	454,244	380,290	**1,709,424**	497,150	553,283	621,435	**1,671,867**	6,430,378	13.18
	Hillsborough	142,479	138,502	159,706	118,114	95,396	**654,198**	58,943	36,720	31,899	33,417	**160,978**	37,921	75,256	127,119	**240,297**	1,055,472	2.16
	Menlo Park	137,633	129,555	152,067	124,071	103,404	**646,731**	77,024	66,963	65,008	72,850	**281,845**	77,197	103,126	140,890	**321,212**	1,249,788	2.56
	Mid-Peninsula WD	118,154	103,815	115,950	107,149	95,988	**541,056**	80,662	72,663	68,786	68,666	**290,777**	74,564	92,254	111,863	**278,680**	1,110,513	2.28
	Millbrae	90,028	80,256	92,795	73,334	66,315	**402,727**	61,091	62,394	58,749	55,789	**238,024**	62,242	64,525	84,378	**211,145**	851,896	1.75
*	Milpitas	233,517	232,361	253,057	228,170	210,871	**1,157,976**	181,791	168,994	157,752	166,383	**674,921**	274,776	253,423	228,956	**757,154**	2,590,051	5.31
*	Mountain View	361,234	351,333	380,471	352,984	319,866	**1,765,887**	274,945	244,473	222,451	202,955	**944,823**	239,681	269,703	380,349	**889,733**	3,600,443	7.38
*	North Coast CWD	113,789	93,164	115,086	97,020	108,908	**527,966**	98,550	92,681	85,390	84,151	**360,772**	97,056	93,170	103,857	**294,083**	1,182,821	2.42
	Palo Alto	256,328	706,826	521,080	413,290	166,473	**2,063,997**	463,417	258,694	210,947	212,331	**1,145,390**	261,957	416,965	477,731	**1,156,654**	4,366,041	8.95
	Purissima Hills WD	85,864	84,935	90,898	83,868	71,793	**417,358**	47,114	30,066	21,873	20,274	**119,328**	26,646	41,075	77,232	**144,952**	681,638	1.40
	Redwood City	401,192	356,108	403,949	363,051	324,154	**1,848,455**	255,377	256,009	227,636	117,405	**856,426**	372,988	305,683	364,715	**1,043,386**	3,748,266	7.68
*	San Bruno **2**	44,378	46,993	51,197	31,819	46,777	**221,164**	28,389	33,673	28,525	21,122	**111,709**	36,752	36,334	44,086	**117,171**	450,044	0.92
*	San Jose MWS-North	185,397	181,131	198,910	184,183	171,261	**920,882**	145,870	132,226	122,416	119,760	**520,271**	135,479	146,352	187,001	**468,831**	1,909,985	3.91
*	Santa Clara	126,636	88,768	97,906	92,918	93,370	**499,597**	93,900	113,290	122,651	118,375	**448,216**	123,767	129,520	135,299	**388,586**	1,336,399	2.74
*	Stanford University	70,949	64,843	79,652	73,251	66,169	**354,864**	52,917	38,876	50,511	47,550	**189,854**	61,680	62,534	78,410	**202,624**	747,342	1.53
*	Sunnyvale	397,990	394,439	411,986	387,621	398,972	**1,991,008**	556,009	373,621	343,435	307,395	**1,580,460**	362,157	323,308	389,232	**1,074,697**	4,646,165	9.52
	Westborough WD	29,400	30,324	33,215	28,327	24,905	**146,172**	22,254	26,874	29,390	25,684	**104,203**	21,527	29,596	30,332	**81,455**	331,829	0.68
	Totals	5,850,153	5,947,992	6,555,366	5,573,037	4,840,221	**28,766,768**	4,465,837	3,906,090	3,728,331	3,484,182	**15,584,440**	4,562,193	5,112,354	5,966,532	**15,641,079**	**59,992,287**	122.94

Seasonal Comparisons			Summer/Fall		Winter		Spring		Year	
			2011-12	34,889,999	2011-12	18,786,621	2011-12	16,953,589	70,630,209	144.74
			2012-13	35,927,152	2012-13	17,236,235	2012-13	19,027,049	72,190,436	147.94
			2013-14	36,602,803	2013-14	18,958,782	2013-14	17,488,648	73,050,233	149.70
			2014-15	31,404,179	2014-15	16,571,143	2014-15	14,502,045	62,477,367	128.04
			2015-16	25,993,686	2015-16	14,369,236	2015-16	14,124,948	54,487,870	111.66
			2016-17	28,843,372	2016-17	14,458,909	2016-17	15,679,219	58,981,500	120.87
			2017-18	32,895,226	2017-18	16,837,505	2017-18	15,914,209	65,646,941	134.53
			2018-19	31,934,491	2018-19	15,621,040	2018-19	16,008,279	63,563,810	130.26
			2019-20	31,520,643	2019-20	17,425,736	2019-20	15,522,330	64,468,709	132.12
			2020-21	32,243,028	2020-21	16,700,713	2020-21	16,904,050	65,847,791	134.94
			2021-22	30,341,692	2021-22	16,192,298	2021-22	16,113,770	62,647,759	128.38
			2022-23	28,592,100	2022-23	14,793,031	2022-23	14,418,436	57,803,567	118.46
			2023-24	28,766,768	2023-24	15,584,440	2023-24	15,641,079	59,992,287	122.94
	Since 1983-84	**Record Highs:**	2003-04	45,402,020	1987-88	21,979,000	1986-87	25,083,000	1986-87	185.31
		Record Lows:	2015-16	25,993,686	1983-84	13,429,000	1990-91	13,464,000	2015-16	111.66

1 Data in this table is derived from SFPUC sales records, and since local agency customer meters are read throughout the month, figures reported here may not match agency purchase numbers shown in other parts of the survey or represent actual monthly use for the month shown (i.e., June figures could include partial May purchases depending on when meters are read).

2 Beginning in FY 2015-16, these agencies began participating in the Regional Groundwater Storage and Recovery Program with the SFPUC. Additional surface water supplies are utilized in lieu of groundwater pumping when available. Impacts to the groundwater basin are being monitored. Totals shown include SF RWS In Lieu Water delivered to Daly City, CWS - South SF, and San Bruno (if applicable). See Table 2D.

* Agency has other sources besides SF RWS.

Source: *SFPUC Commercial Division Records*

Table 2C: Historical SF RWS Wholesale Water Purchases by BAWUA/BAWSCA Agencies* FY 1930-31 to Present

Year	ccf	mgd	acre feet	% Change	Year	ccf	mgd	acre feet	% Change
1930-31	1,512,700	3.1	3,473		1980-81	72,463,235	148.5	166,353	8.9
1931-32	1,366,310	2.8	3,137	-9.7	1981-82	71,828,877	147.2	164,896	-0.9
1932-33	1,317,513	2.7	3,025	-3.6	1982-83	70,950,535	145.4	162,880	-1.2
1933-34	1,268,717	2.6	2,913	-3.7	1983-84	79,441,176	162.8	182,372	12.0
1934-35	1,171,123	2.4	2,689	-7.7	1984-85	82,759,358	169.6	189,989	4.2
1935-36	1,219,920	2.5	2,801	4.2	1985-86	83,149,733	170.4	190,886	0.5
1936-37	1,659,091	3.4	3,809	36.0	1986-87	90,176,471	184.8	207,017	8.5
1937-38	2,439,840	5.0	5,601	47.1	1987-88	88,273,396	180.9	202,648	-2.1
1938-39	3,122,995	6.4	7,169	28.0	1988-89	67,241,979	137.8	154,366	-23.8
1939-40	4,391,711	9.0	10,082	40.6	1989-90	78,221,257	160.3	179,571	16.3
1940-41	3,562,166	7.3	8,178	-18.9	1990-91	64,509,358	132.2	148,093	-17.5
1941-42	3,757,353	7.7	8,626	5.5	1991-92	61,191,176	125.4	140,476	-5.1
1942-43	4,196,524	8.6	9,634	11.7	1992-93	64,899,733	133.0	148,989	6.1
1943-44	5,562,834	11.4	12,771	32.6	1993-94	72,707,219	149.0	166,913	12.0
1944-45	8,734,625	17.9	20,052	57.0	1994-95	71,596,604	146.7	164,363	-1.5
1945-46	8,393,048	17.2	19,268	-3.9	1995-96	79,502,660	162.9	182,513	11.0
1946-47	9,076,203	18.6	20,836	8.1	1996-97	83,211,705	170.5	191,028	4.7
1947-48	9,612,968	19.7	22,068	5.9	1997-98	77,305,829	158.4	177,470	-7.1
1948-49	9,710,561	19.9	22,292	1.0	1998-99	82,214,786	168.5	188,739	6.4
1949-50	9,564,171	19.6	21,956	-1.5	1999-00	84,647,794	173.5	194,325	3.0
1950-51	11,223,262	23.0	25,765	17.3	2000-01	85,327,533	174.9	195,885	0.8
1951-52	12,784,759	26.2	29,350	13.9	2001-02	83,562,066	171.2	191,832	-2.1
1952-53	14,590,240	29.9	33,495	14.1	2002-03	82,654,243	169.4	189,748	-1.1
1953-54	17,176,470	35.2	39,432	17.7	2003-04	88,480,297	181.3	203,123	7.0
1954-55	21,763,368	44.6	49,962	26.7	2004-05	81,672,866	167.4	187,495	-7.7
1955-56	23,324,866	47.8	53,547	7.2	2005-06	80,255,145	164.5	184,240	-1.7
1956-57	25,911,095	53.1	59,484	11.1	2006-07	85,779,136	175.8	196,922	6.9
1957-58	22,690,507	46.5	52,090	-12.4	2007-08	84,618,323	173.4	194,257	-1.4
1958-59	27,814,170	57.0	63,853	22.6	2008-09	80,034,009	164.0	183,733	-5.4
1959-60	30,937,165	63.4	71,022	11.2	2009-10	73,920,589	151.5	169,698	-7.6
1960-61	32,010,694	65.6	73,486	3.5	2010-11	71,165,207	145.8	163,373	-3.7
1961-62	34,255,347	70.2	78,639	7.0	2011-12	70,630,209	144.7	162,145	-0.8
1962-63	38,256,683	78.4	87,825	11.7	2012-13	72,190,436	147.9	165,726	2.2
1963-64	44,161,095	90.5	101,380	15.4	2013-14	73,050,233	149.7	167,700	1.2
1964-65	47,430,480	97.2	108,885	7.4	2014-15	62,477,367	128.0	143,428	-14.5
1965-66	52,700,533	108.0	120,984	11.1	2015-16	54,487,870	111.7	125,087	-12.8
1966-67	54,652,405	112.0	125,465	3.7	2016-17	58,981,500	120.9	135,403	8.2
1967-68	63,972,592	131.1	146,861	17.1	2017-18	65,646,941	134.5	150,705	11.3
1968-69	61,630,346	126.3	141,484	-3.7	2018-19	63,563,810	130.3	145,922	-3.2
1969-70	67,778,741	138.9	155,599	10.0	2019-20	64,468,709	132.1	148,000	1.4
1970-71	64,753,340	132.7	148,653	-4.5	2020-21	65,847,791	134.9	151,166	2.1
1971-72	69,486,629	142.4	159,519	7.3	2021-22	62,647,759	128.4	143,819	-4.9
1972-73	65,046,121	133.3	149,325	-6.4	2022-23	57,803,567	118.5	132,699	-12.2
1973-74	68,705,880	140.8	157,727	5.6	2023-24	59,992,287	122.9	137,723	-12.2
1974-75	71,145,722	145.8	163,328	3.6					
1975-76	75,147,059	154.0	172,514	5.6					
1976-77	65,143,717	133.5	149,549	-13.3					
1977-78	48,113,636	98.6	110,454	-26.1					
1978-79	62,899,064	128.9	144,396	30.7					
1979-80	66,558,824	136.4	152,798	5.8					

* These totals may differ slightly from other totals found in the survey due to source/rounding variables.

Note: The above totals are inclusive of SF RWS In Lieu Water. See Table 2D.

Source: *SFPUC Commercial Division Records*

Table 2D: SF RWS In Lieu Water Deliveries to Participating BAWSCA Agencies (in ccf)

Year	CWS-South San Francisco	Daly City	San Bruno	Total ccf	Total mgd
2002-03	144,508	933,975	459,969	1,538,452	3.15
2003-04	167,334	774,615	482,564	1,424,513	2.92
2004-05	0	1,348,045	674,241	2,022,286	4.14
2005-06	0	1,479,323	0	1,479,323	3.03
2006-07	0	1,160,313	0	1,160,313	2.38
2007-08	0	0	0	0	0.00
2008-09	0	165,750	0	165,750	0.34
2009-10	0	904,856	0	904,856	1.85
2010-11	0	1,061,951	0	1,061,951	2.18
2011-12	0	0	0	0	0.00
2012-13	0	0	0	0	0.00
2013-14	0	0	0	0	0.00
2014-15	0	0	0	0	0.00
2015-16	38,981	146,803	83,663	269,447	0.55
2016-17	668,470	1,041,345	895,413	2,605,228	5.34
2017-18	668,470	1,060,963	890,214	2,619,647	5.37
2018-19	668,470	1,055,309	793,401	2,517,180	5.16
2019-20	670,301	1,057,033	922,606	2,649,940	5.43
2020-21	668,470	1,040,352	883,411	2,592,233	5.31
2021-22	0	0	0	0	0.00
2022-23	0	0	0	0	0.00
2023-24	597,632	747,202	824,756	2,169,590	4.45

Starting in FY 2002-03, Cal Water (South San Francisco), Daly City, and San Bruno participated in the Conjunctive Use Pilot Program whereby surplus SF RWS water was purchased (at a reduced rate) in lieu of pumping that same amount of water from the groundwater basin. During the Pilot Program, SF RWS water delivered in lieu of groundwater pumping was referred to as Supplemental Water. As shown above, in FY 2007-08 and FY 2008-09 Daly City made little or no supplemental purchases, indicative of relatively dry years. Daly City's supplemental purchases increased in FY 2010-11, indicative of a wetter year.

Beginning in FY 2015-16, the participating BAWSCA agencies and the SFPUC began the Regional Groundwater Storage and Recovery Program. This program increases storage levels in the groundwater basin during times surplus water is available thereby making groundwater available to the regional system during dry periods when SF RWS water may be in short supply. During normal and wet years, In Lieu Water is provided to the participating agencies.

Source: *BAWSCA FY 2023-24 Annual Survey*

Table 2E: SF RWS Drought Declarations (Periods of Drought from 1975 – Present)

Years	SFPUC Water Shortage Emergency Declaration	Additional Details
1976-1977	N/A	•1977 was the driest year on record in California.
1987-1991	N/A	•1987-1991 comprised the second driest period in California's recorded climate history.
2007-2009	N/A	•First statewide proclamation of drought emergency in California's history.
2014-2017	January 31, 2014	•SFPUC formally issues a request for voluntary water reduction by 10%. •SFPUC issued a one-time waiver of the minimum purchase requirements.* •April 4, 2017 - SFPUC decalres there was no longer a need for voluntary reductions in water use.
2021-2023	November 23, 2021	•SFPUC calls for a voluntary 10% water use reduction for all retail customers. •SFPUC issues waiver of minimum purchase requirements during drought.* •May 24, 2022 - SFPUC adopts systemwide water use reduction of 11% compared to FY 19-20 water use. •April 11, 2023 - SFPUC lifts water shortage emergency declaration and drought surcharge. SFPUC continues to encourage voluntary systemwid water use reduction of 11%.

Notes:

*Mountain View, Sunnyvale, Milpitas, and Alameda County Water District.

*Minmum Purchase Requirement waiver years: FY 2014-15, 2015-16, 2016-17, and 2021-22.

Source: *BAWSCA 2014-2017 Drought Report*

3. Total Water Supply and Demand

Table 3A: Historical Total Water Use by BAWSCA Agencies (in ccf). Inclusive of non-revenue water and In Lieu Water deliveries.

Member	FY 2010-11	FY 2011-12	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	mgd
San Mateo County															
Brisbane / GVMID	275,934	280,650	287,290	302,776	280,029	257,414	294,756	334,217	323,917	310,127	303,604	298,906	258,323	297,752	0.61
Burlingame	2,117,999	2,158,682	2,099,365	2,148,019	1,937,939	1,652,167	1,738,444	1,842,356	1,815,582	1,750,350	1,653,540	1,687,626	1,444,244	1,543,145	3.16
CWS - Bear Gulch	5,794,705	6,004,849	6,116,162	6,259,793	5,267,634	4,194,432	4,506,722	5,165,363	5,033,422	5,566,308	5,836,065	5,227,682	4,605,197	4,878,606	10.00
CWS - Mid Peninsula	6,956,546	6,905,680	6,046,107	6,956,723	6,016,058	5,325,284	5,539,001	6,083,059	5,991,673	6,292,879	6,336,593	6,074,256	5,472,830	5,766,969	11.82
CWS - South SF	3,731,044	3,682,415	3,620,826	3,616,258	3,270,666	2,944,723	2,862,074	3,042,831	2,945,508	2,961,510	2,890,693	2,868,442	2,768,049	2,756,116	5.65
Coastside CWD	894,746	896,631	996,377	997,259	877,579	817,339	812,567	902,206	872,781	891,158	886,215	771,845	644,994	693,481	1.42
Cordilleras	Not BAWSCA Member														
Daly City	3,093,734	3,364,817	3,512,566	3,349,433	2,895,051	3,141,794	3,167,719	3,055,121	3,046,110	3,139,345	2,877,565	3,080,007	2,822,660	2,558,350	5.24
East Palo Alto	863,282	907,662	1,010,939	720,040	766,380	690,728	730,899	772,528	763,315	764,448	748,457	704,834	678,615	747,141	1.53
Estero MID	2,274,588	1,966,984	2,000,497	1,942,333	1,930,526	1,768,029	1,874,751	2,068,753	1,969,663	2,115,607	2,101,104	1,887,409	1,833,938	1,939,984	3.98
Guadalupe Valley MID	Included with Brisbane														
Hillsborough	1,743,929	1,470,409	1,609,532	1,599,812	1,226,777	1,050,944	1,139,003	1,234,547	1,124,778	1,280,605	1,314,680	1,141,504	1,000,717	1,057,159	2.17
Los Trancos															
Menlo Park	1,533,788	1,621,745	1,584,636	1,729,399	1,287,136	1,074,516	1,153,760	1,393,425	1,383,605	1,442,176	1,379,039	1,195,123	1,070,006	1,247,376	2.56
Mid-Peninsula WD	1,404,933	1,437,360	1,453,047	1,408,109	1,209,300	1,076,654	1,134,389	1,221,454	1,220,573	1,295,922	1,273,998	1,172,923	1,055,377	1,107,642	2.27
Millbrae	1,087,971	1,046,254	1,125,147	1,146,741	1,003,049	899,785	930,695	992,865	949,289	939,939	906,122	900,514	850,047	844,675	1.73
North Coast CWD	1,585,572	1,380,360	1,192,485	1,392,872	1,364,900	914,081	1,105,206	1,169,151	1,142,039	1,177,652	1,194,417	1,084,637	1,040,739	1,071,758	2.20
Redwood City	4,734,338	4,719,085	5,057,308	4,730,885	4,099,699	3,790,431	4,114,869	4,462,425	4,246,670	4,651,110	4,498,987	4,169,575	3,776,172	4,017,280	8.23
San Bruno	1,771,040	1,770,007	1,752,095	1,747,722	1,529,900	1,519,903	1,429,544	1,488,555	1,374,751	1,511,466	1,506,577	1,480,750	1,438,582	1,349,705	2.77
Skyline	Included with CWS-Bear Gulch														
Westborough WD	408,487	440,796	441,233	433,980	377,034	390,753	356,722	383,996	379,833	400,616	373,994	327,131	339,960	332,246	0.68
Subtotal	40,272,636	40,054,386	39,905,612	40,482,154	35,339,657	31,508,977	32,891,121	35,612,852	34,583,510	36,491,218	36,081,650	34,073,163	31,100,450	32,209,385	66.01
mgd	82.53	82.08	81.78	82.96	72.42	64.57	67.40	72.98	70.87	74.78	73.94	69.83	63.73	66.01	
Santa Clara County															
Milpitas	4,835,475	4,937,407	4,975,000	4,908,500	4,462,023	4,030,280	4,159,187	4,407,989	4,459,591	4,583,002	4,589,507	4,265,384	3,975,347	4,049,028	8.30
Mountain View	5,025,675	5,232,110	5,234,742	5,263,373	4,435,583	3,854,816	4,125,019	4,293,493	4,220,597	4,477,254	4,559,155	4,221,774	3,879,095	4,273,802	8.76
Palo Alto	5,811,182	5,948,461	5,750,761	5,981,585	5,091,582	4,356,931	4,672,228	5,252,489	4,969,831	5,137,657	5,452,454	5,185,748	4,664,961	4,889,834	10.02
Purissima Hills WD	839,360	899,221	972,733	982,100	803,313	640,369	689,261	814,270	770,703	851,999	925,721	799,210	639,836	677,300	1.39
San Jose	2,239,892	2,356,648	2,354,211	2,676,663	2,521,675	2,391,807	2,325,602	2,626,952	2,513,187	2,499,664	2,534,036	2,481,508	2,172,564	2,276,864	4.67
Santa Clara	10,197,067	10,695,253	10,757,568	10,757,505	9,768,682	8,817,463	9,141,873	9,957,730	9,523,015	9,617,423	9,454,016	9,095,223	8,604,882	9,150,929	18.75
Stanford	1,558,914	1,604,702	1,624,555	1,553,272	1,396,374	1,073,556	1,148,562	1,264,778	1,228,167	1,221,078	1,198,813	1,227,293	1,221,384	1,238,931	2.54
Sunnyvale	9,132,594	8,465,724	9,453,326	8,994,820	7,795,081	7,208,816	7,744,448	8,333,441	8,237,461	8,731,750	8,857,476	8,244,518	7,468,737	8,126,783	16.65
Subtotal	39,640,158	40,139,526	41,122,896	41,117,818	36,274,313	32,374,038	34,006,180	36,951,300	35,922,552	37,119,827	37,571,178	35,520,658	32,626,806	34,683,471	71.08
mgd	81.24	82.26	84.27	84.26	74.34	66.34	69.69	75.72	73.62	76.07	77.00	72.79	66.86	71.08	
Alameda County															
Alameda CWD	20,921,497	21,108,246	21,209,862	20,274,011	16,751,709	15,804,948	16,986,244	18,057,620	18,066,739	18,900,527	19,469,820	17,906,331	16,086,991	16,757,369	34.34
Hayward	8,308,740	7,610,980	7,552,956	7,402,067	6,634,616	5,979,616	6,281,522	7,101,954	6,821,848	6,794,224	7,098,330	6,881,943	6,378,038	6,510,781	13.34
Subtotal	29,230,237	28,719,226	28,762,818	27,676,078	23,386,325	21,784,564	23,267,766	25,159,574	24,888,587	25,694,751	26,568,150	24,788,274	22,465,029	23,268,150	47.68
mgd	59.90	58.85	58.94	56.72	47.93	44.64	47.68	51.56	51.00	52.66	54.45	50.80	46.04	47.68	
Total	109,143,031	108,913,138	109,791,326	109,276,050	95,000,295	85,667,579	90,165,067	97,723,725	95,394,628	99,394,628	100,220,978	94,382,096	86,192,285	90,161,006	184.77
mgd	223.67	223.20	225.00	223.94	194.69	175.56	184.78	200.27	195.49	203.51	205.38	193.42	176.64	184.77	
% Change	-0.4	-0.2	0.8	-0.5	-13.1	-9.8	5.2	8.4	-2.4	4.1	0.9	-5.8	-8.7	-10.0	

Note: Totals inclusive of SF RWS In Lieu Water.

Source: *BAWSCA Annual Surveys*

Table 3B: Historical Total Water Use by BAWUA/BAWSCA Agencies* 1975-76 to Present

Year	ccf	mgd	acre feet	% Change
1975-76	103,703,209	212.5	238,070	
1976-77	78,114,973	160.1	179,327	-24.7
1977-78	80,544,118	165.1	184,904	3.1
1978-79	90,148,396	184.7	206,952	11.9
1979-80	96,016,043	196.8	220,423	6.5
1980-81	101,655,080	208.3	233,368	5.9
1981-82	101,114,973	207.2	232,128	-0.5
1982-83	102,072,193	209.2	234,326	0.9
1983-84	114,223,262	234.1	262,221	11.9
1984-85	113,288,770	232.2	260,075	-0.8
1985-86	120,854,314	247.7	277,443	6.7
1986-87	127,159,730	260.6	291,919	5.2
1987-88	124,103,553	254.3	284,903	-2.4
1988-89	106,443,629	218.1	244,361	-14.2
1989-90	109,228,602	223.8	250,754	2.6
1990-91	99,723,401	204.4	228,933	-8.7
1991-92	96,016,663	196.8	220,424	-3.7
1992-93	99,696,012	204.3	228,871	3.8
1993-94	110,889,985	227.2	254,568	11.2
1994-95	107,889,859	221.1	247,681	-2.7
1995-96	119,077,619	244.0	273,365	10.4
1996-97	126,956,796	260.2	291,453	6.6
1997-98	118,081,751	242.0	271,078	-7.0
1998-99	124,630,030	255.4	286,111	5.5
1999-00	128,677,573	263.7	295,403	3.2
2000-01	128,905,099	264.2	295,925	0.2
2001-02	124,144,929	254.4	284,998	-3.7
2002-03	122,510,157	251.1	281,245	-1.3
2003-04	129,222,361	264.8	296,654	5.5
2004-05	119,049,118	244.0	273299	-7.9
2005-06	120,114,923	246.2	275,746	0.9
2006-07	125,003,151	256.2	286,968	4.1
2007-08	125,208,913	256.6	287,440	0.2
2008-09	117,440,576	240.7	269,606	-6.2
2009-10	109,619,067	224.6	251,651	-6.7
2010-11	109,143,031	223.7	250,558	-0.4
2011-12	108,913,138	223.2	250,030	-0.2
2012-13	109,791,326	225.0	252,046	0.8
2013-14	109,276,050	223.9	250,863	-0.5
2014-15	95,000,295	194.7	218,091	-13.1
2015-16	85,667,579	175.6	196,666	-9.8
2016-17	90,165,067	184.8	206,991	5.2
2017-18	97,723,725	200.3	224,343	8.4
2018-19	95,394,628	195.5	218,996	-2.4
2019-20	99,305,796	203.5	227,975	4.1
2020-21	100,220,978	205.4	230,076	0.9
2021-22	94,365,109	193.4	216,632	-5.8
2022-23	86,192,285	176.6	197,870	0.0
2023-24	90,161,006	184.8	206,981	4.6

*Inclusive of non-revenue water and SF RWS In Lieu Water (see Table 2D).

Source: *BAWUA/BAWSCA Annual Surveys*

Figure 3C: Water Use by Source of Supply – FY 2023-24

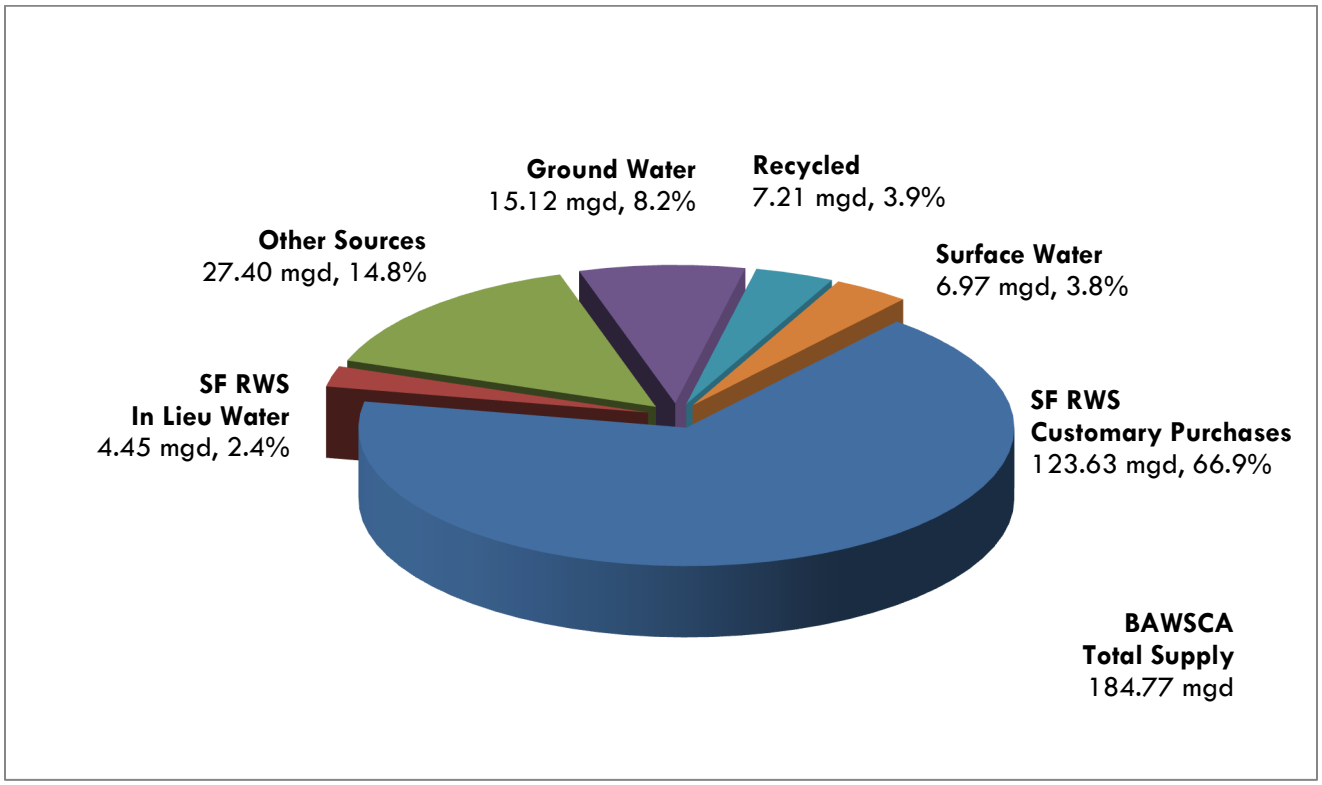
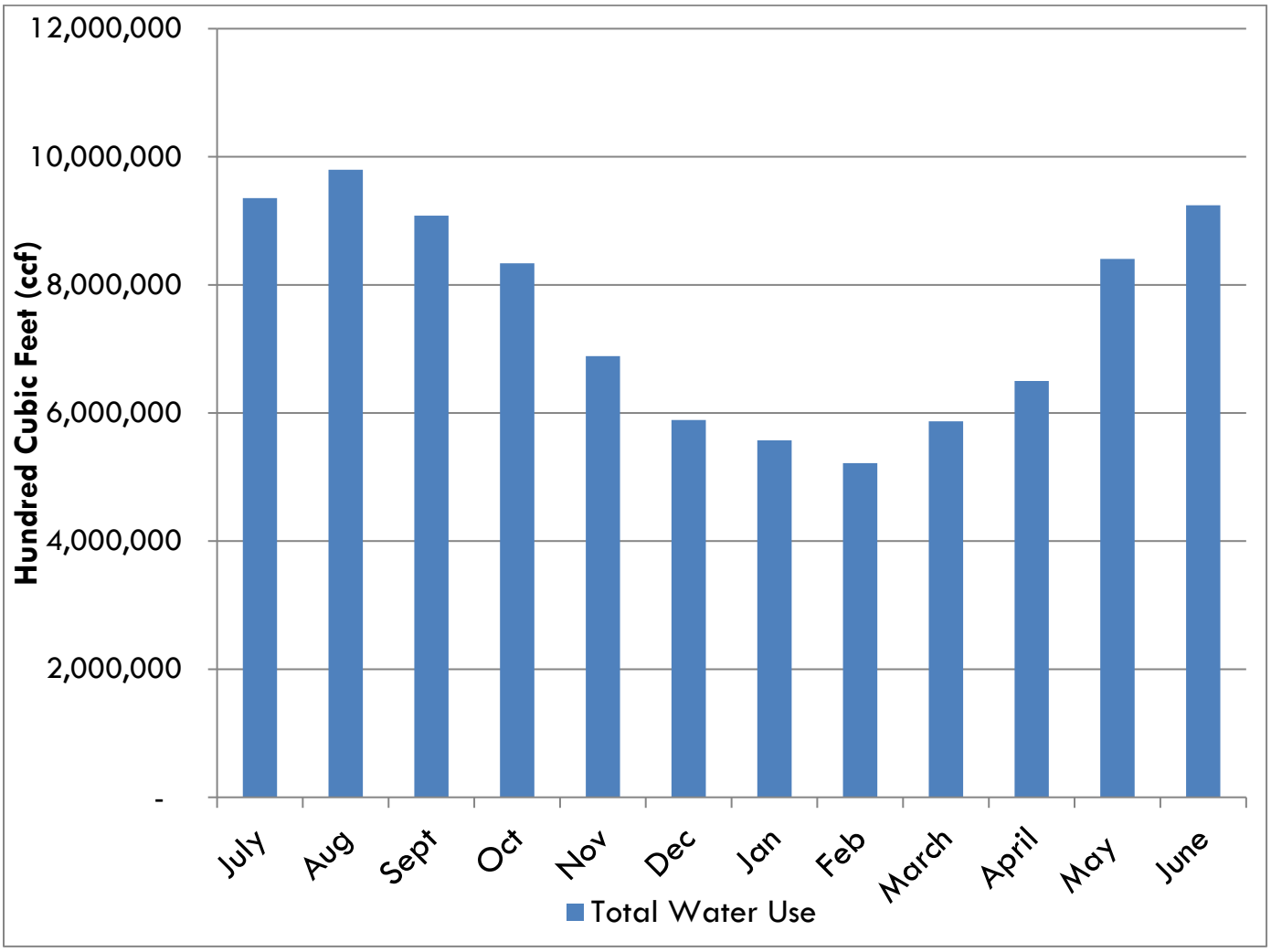


Figure 3D: Total Monthly Water Use for All BAWSCA Agencies – FY 2023-24



Inclusive of SF RWS In-Lieu Water (if applicable) and Non-Revenue Water

Table 3C: Water Use by Source of Supply – FY 2023-24 (in ccf)

	SF RWS Purchases			Local Sources (non-SF RWS)				Other Sources				Totals		
Member	Customary	SF RWS In Lieu Water	% of Supply	Ground Water	% of Supply	Surface Water	% of Supply	Recycled Water	% of Supply	Other Sources	% of Supply	Total Supply	mgd Equiv	% of Total
San Mateo County														
Brisbane / GVMID	297,752	0	100.0%	0	0%	0	0%	0	0%	0	0%	297,752	0.61	0.33%
Burlingame	1,543,145	0	100.0%	0	0%	0	0%	0	0%	0	0%	1,543,145	3.16	1.71%
CWS - Bear Gulch	4,878,606	0	100.0%	0	0%	0	0.0%	0	0%	0	0%	4,878,606	10.00	5.41%
CWS - Mid Peninsula	5,766,969	0	100.0%	0	0%	0	0%	0	0%	0	0%	5,766,969	11.82	6.40%
CWS - South SF	2,085,311	597,632	97.3%	73,173	3%	0	0%	0	0%	0	0%	2,756,116	5.65	3.06%
Coastside CWD	422,524	0	60.9%	8,235	1.2%	262,722	37.9%	0	0%	0	0%	693,481	1.42	0.77%
Daly City	1,527,903 *	747,202	88.9%	257,980	10%	0	0%	25,266	1.0%	0	0%	2,558,350	5.24	2.84%
East Palo Alto**	745,804	0	99.8%	1,337	0%	0	0%	0	0%	0	0%	747,141	1.53	0.83%
Estero MID	1,939,984	0	100.0%	0	0%	0	0%	0	0%	0	0%	1,939,984	3.98	2.15%
Hillsborough	1,057,159	0	100.0%	0	0%	0	0%	0	0%	0	0%	1,057,159	2.17	1.17%
Menlo Park	1,247,376	0	100.0%	0	0%	0	0%	0	0%	0	0%	1,247,376	2.56	1.38%
Mid-Peninsula WD	1,107,642	0	100.0%	0	0%	0	0%	0	0%	0	0%	1,107,642	2.27	1.23%
Millbrae	844,675 **	0	100.0%	0	0%	0	0%	0	0%	0	0%	844,675	1.73	0.94%
North Coast CWD	1,056,221	0	98.6%	0	0%	0	0%	15,536	1%	0	0%	1,071,758	2.20	1.19%
Redwood City	3,761,997	0	93.6%	0	0%	0	0%	255,283	6.4%	0	0%	4,017,280	8.23	4.46%
San Bruno	451,523	824,756	94.6%	56,706	4.2%	0	0%	0	0%	16,720	1%	1,349,705	2.77	1.50%
Westborough WD	332,246	0	100.0%	0	0%	0	0%	0	0%	0	0%	332,246	0.68	0.37%
Subtotal	29,066,837	2,169,590	97.0%	397,430	1.2%	262,722	0.8%	296,085	0.92%	16,720	0.1%	32,209,385	66.01	35.72%
mgd equiv	59.57	4.45		0.81		0.54		0.61		0.03		66.01		
Santa Clara County														
Milpitas	2,598,121	0	64.2%	0	0%	0	0%	359,585	8.9%	1,091,322	27.0%	4,049,028	8.30	4.49%
Mountain View	3,589,710	0	84.0%	67,365	1.6%	0	0%	232,608	5%	384,119	9.0%	4,273,802	8.76	4.74%
Palo Alto	4,424,761	0	90.5%	0	0%	0	0%	465,073	9.5%	0	0%	4,889,834	10.02	5.42%
Purissima Hills WD	677,300	0	100.0%	0	0%	0	0%	0	0%	0	0%	677,300	1.39	0.75%
San Jose	1,899,283	0	83.4%	15,761	0.7%	0	0%	361,820	15.9%	0	0%	2,276,864	4.67	2.53%
Santa Clara	1,336,399	0	14.6%	4,628,509	50.6%	0	0%	1,721,154	18.8%	1,464,867	16.0%	9,150,929	18.75	10.15%
Stanford	729,329	0	58.9%	0	0%	0	0%	0	0%	509,602	41%	1,238,931	2.54	1.37%
Sunnyvale	4,585,694	0	56.4%	65,880	0.8%	0	0%	0	0.0%	3,475,209	42.8%	8,126,783	16.65	9.01%
Subtotal	19,840,597	0	57.2%	4,777,515	13.8%	0	0.0%	3,140,240	9.1%	6,925,119	20.0%	34,683,471	71.08	38.47%
mgd equiv	40.66	0.00		9.79		0.00		6.44		14.19		71.08		
Alameda County														
Alameda CWD	4,989,706	0	29.8%	2,203,744	13.2%	3,136,756	18.7%	0	0%	6,427,163	38.4%	16,757,369	34.34	18.6%
Hayward	6,430,378	0	98.8%	0	0%	0	0%	80,403	1%	0	0.0%	6,510,781	13.34	7.2%
Subtotal	11,420,084	0	49.1%	2,203,744	9.5%	3,136,756	13.5%	80,403	0%	6,427,163	27.6%	23,268,150	47.68	25.81%
mgd equiv	23.40	0.00		4.52		6.43				13.17		47.68		
Total	60,327,518	2,169,590	69.3%	7,378,690	8.2%	3,399,478	3.8%	3,516,728	3.9%	13,369,002	14.8%	90,161,006	184.77	100.0%
mgd equiv	123.63	4.45		15.12		6.97		7.21		27.40		184.77		

*The total recycled water noted here is the portion that actually replaces a potable supply.

***Excludes resale SFPUC supply sold.

***"Other Sources" is made up of purchases from SCVWD, local surface water, local groundwater, and stormwater capture used for irrigation (non-potable supplies).

Source: *BAWSCA FY 2023-24 Annual Survey*

Table 3D: Total Monthly Water Use – FY 2023-24 (in ccf)

Member	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	April	May	June	Total	mgd
San Mateo County														
Brisbane / GVMID	25,599	31,757	25,497	26,111	27,434	21,520	21,045	21,941	21,154	21,957	28,392	25,345	297,752	0.61
Burlingame	143,125	174,098	141,369	129,204	109,256	103,216	98,430	93,494	109,677	122,139	159,117	160,022	1,543,145	3.16
CWS - Bear Gulch	616,340	629,829	562,394	511,239	340,174	237,663	207,239	182,541	214,150	296,040	489,109	591,888	4,878,606	10.00
CWS - Mid Peninsula	600,440	610,131	564,787	534,803	441,520	390,574	372,514	345,752	385,334	412,297	527,811	581,006	5,766,969	11.82
CWS - South SF	264,328	276,113	258,565	248,630	226,225	196,394	194,109	186,622	203,220	203,506	246,021	252,383	2,756,116	5.65
Coastside CWD	72,121	72,348	71,479	66,279	54,141	50,464	41,200	38,794	51,868	51,173	58,619	64,995	693,481	1.42
Daly City	220,705	236,605	208,849	208,445	209,745	175,307	201,702	209,162	197,678	213,415	249,816	226,922	2,558,351	5.24
East Palo Alto	44,115	65,771	78,337	64,969	63,231	59,488	55,611	53,472	57,884	69,514	68,444	66,306	747,141	1.53
Estero MID	217,092	214,927	191,880	178,082	140,508	116,429	110,126	105,346	130,256	144,532	185,614	205,192	1,939,984	3.98
Hillsborough	138,502	159,706	118,114	95,396	58,943	36,720	31,899	33,417	37,921	75,256	127,119	144,166	1,057,159	2.17
Menlo Park	135,837	144,499	130,292	121,588	92,107	68,773	70,047	65,834	76,651	83,429	120,273	138,046	1,247,376	2.56
Mid-Peninsula WD	113,504	114,621	108,148	101,642	88,276	77,377	70,606	67,123	73,575	77,146	102,973	112,651	1,107,642	2.27
Millbrae	80,256	92,795	73,334	66,315	59,325	62,394	59,656	51,811	62,242	64,525	84,378	87,644	844,675	1.73
North Coast CWD	97,557	103,408	93,882	98,205	90,751	80,767	77,988	71,818	84,341	80,663	91,428	100,950	1,071,758	2.20
Redwood City	399,450	440,767	399,040	348,379	267,770	260,434	229,334	119,925	379,659	321,619	397,750	453,153	4,017,280	8.23
San Bruno	123,015	133,219	111,640	124,467	101,027	104,127	96,398	93,252	106,265	108,322	114,398	133,575	1,349,705	2.77
Westborough WD	30,324	33,215	28,327	24,905	22,254	26,874	29,390	25,684	21,527	29,596	30,332	29,818	332,246	0.68
Subtotal	3,322,309	3,533,809	3,165,934	2,948,657	2,392,687	2,068,521	1,967,294	1,765,987	2,213,401	2,375,130	3,081,594	3,374,063	32,209,385	66.01
% of Annual Use	10%	11%	10%	9%	7%	6%	6%	5%	7%	7%	10%	10%		
Santa Clara County														
Milpitas	390,506	419,188	384,476	360,606	311,730	282,153	263,033	257,347	295,489	302,851	392,884	388,766	4,049,028	8.30
Mountain View	439,562	467,210	425,139	387,020	318,387	276,892	257,119	229,262	270,550	315,886	446,960	439,815	4,273,802	8.76
Palo Alto	558,811	508,696	566,399	452,806	402,598	322,004	294,463	251,267	262,746	316,967	420,190	532,887	4,889,834	10.02
Purissima Hills WD	84,935	90,898	83,868	71,793	47,114	30,066	21,873	20,274	26,646	41,075	77,232	81,526	677,300	1.39
San Jose	257,458	207,864	264,494	186,584	202,884	139,804	150,710	123,162	157,057	159,269	237,173	190,405	2,276,864	4.67
Santa Clara	903,141	1,116,928	864,676	880,272	701,708	614,378	568,969	593,219	569,763	632,506	748,003	957,367	9,150,929	18.75
Stanford	126,828	137,683	158,898	118,445	99,520	58,021	43,355	64,579	88,513	59,838	113,570	169,681	1,238,931	2.54
Sunnyvale	849,104	869,368	800,831	763,387	605,073	532,084	492,018	457,688	526,482	603,414	803,898	823,435	8,126,783	16.65
Subtotal	3,610,345	3,817,835	3,548,780	3,220,913	2,689,014	2,255,402	2,091,540	1,996,799	2,197,245	2,431,805	3,239,911	3,583,881	34,683,471	71.08
% of Annual Use	10%	11%	10%	9%	8%	7%	6%	6%	6%	7%	9%	10%		
Alameda County														
Alameda CWD	1,754,730	1,828,353	1,671,243	1,585,651	1,266,007	1,130,590	1,072,043	999,169	1,078,156	1,191,880	1,522,728	1,656,819	16,757,369	34.34
Hayward	666,549	617,306	694,749	582,611	539,333	436,909	441,150	455,011	381,495	500,406	562,019	633,244	6,510,781	13.34
Subtotal	2,421,279	2,445,659	2,365,992	2,168,262	1,805,340	1,567,499	1,513,193	1,454,180	1,459,651	1,692,286	2,084,747	2,290,063	23,268,150	47.68
% of Annual Use	10%	11%	10%	9%	8%	7%	7%	6%	6%	7%	9%	10%		
Total	9,353,934	9,797,302	9,080,706	8,337,832	6,887,041	5,891,422	5,572,027	5,216,965	5,870,297	6,499,221	8,406,252	9,248,007	90,161,006	184.77
% of Annual Use	10%	11%	10%	9%	8%	7%	6%	6%	7%	7%	9%	10%		

Note: Totals inclusive of SF RWS In Lieu Water (if applicable).

Source: *BAWSCA FY 2023-24 Annual Survey*

Table 3E-1: Demand Projections by Source (in mgd)

Purchases from SF RWS

Member	FY 2025-26	FY 2030-31	FY 2035-36	FY 2040-41	FY 2045-46
San Mateo County					
Brisbane / GVMID	0.80	0.84	0.86	0.87	0.89
Burlingame	4.13	4.21	4.30	4.43	4.56
CWS - Bear Gulch	10.67	10.58	10.61	10.56	10.58
CWS - Mid-Peninsula	12.86	12.96	13.19	13.36	13.63
CWS - South SF	5.36	5.31	5.44	5.77	6.15
CWS Total	28.89	28.85	29.24	29.69	30.36
Coastside CWD	1.40	1.38	1.36	1.33	1.33
Daly City	5.84	5.75	5.74	5.77	5.80
East Palo Alto	1.88	1.95	2.11	2.52	2.93
Estero MID	4.42	4.51	4.60	4.72	4.94
Hillsborough	3.18	3.33	3.31	3.29	3.27
Menlo Park	3.42	3.35	3.53	3.73	3.94
Mid-Peninsula WD	2.86	2.84	2.88	2.89	2.93
Millbrae	2.29	2.50	2.46	2.82	3.20
North Coast CWD	2.34	2.30	2.26	2.26	2.27
Redwood City	8.49	8.59	8.81	8.92	9.11
San Bruno	3.14	3.25	3.25	3.25	3.25
Westborough WD	0.87	0.86	0.85	0.85	0.85
Subtotal	73.94	74.50	75.57	77.33	79.63
Santa Clara County					
Milpitas	6.60	6.76	7.04	7.28	7.53
Mountain View	9.06	9.50	9.96	10.44	10.94
Palo Alto	10.23	10.40	10.59	10.84	11.09
Purissima Hills WD	2.09	2.09	2.12	2.13	2.15
San Jose	4.50	4.50	4.50	4.50	4.50
Santa Clara	4.50	4.50	4.50	4.50	4.50
Stanford	1.70	1.90	2.10	2.30	2.50
Sunnyvale	9.15	9.29	10.70	11.43	12.09
Subtotal	47.82	48.94	51.49	53.42	55.30
Alameda County					
Alameda CWD	10.00	13.76	13.76	13.76	13.76
Hayward	17.77	18.39	19.44	20.50	21.81
Subtotal	27.77	32.15	33.20	34.26	35.57
Total	149.53	155.59	160.26	165.01	170.49
Total w/o SJ & SC	140.54	146.59	151.27	156.02	161.50

Source: *BAWSCA FY 2023-24 Annual Survey*

Table 3E-2: Demand Projections by Source (in mgd)

Groundwater Production

Member	FY 2025-26	FY 2030-31	FY 2035-36	FY 2040-41	FY 2045-46
San Mateo County					
CWS - South SF	1.37	1.37	1.37	1.37	1.37
Coastside CWD	0.01	0.01	0.01	0.01	0.01
Daly City	2.00	2.00	2.00	2.00	2.00
East Palo Alto	0.02	0.02	0.02	0.02	0.02
San Bruno	0.39	0.70	1.12	1.53	1.53
Subtotal	3.79	4.10	4.52	4.92	4.93
Santa Clara County					
Mountain View	0.25	0.25	0.25	0.25	0.25
San Jose	0.20	0.62	2.00	4.68	4.89
Santa Clara	8.81	9.59	10.27	10.75	11.23
Sunnyvale	0.10	0.10	0.10	0.10	0.10
Subtotal	9.36	10.56	12.62	15.78	16.47
Alameda County					
Alameda CWD	8.40	8.60	8.60	8.60	8.60
Total	21.55	23.26	25.74	29.30	30.00

Source: *BAWSCA FY 2023-24 Annual Survey*

Table 3E-3: Demand Projections by Source (in mgd)

Surface Water Production

Member	FY 2025-26	FY 2030-31	FY 2035-36	FY 2040-41	FY 2045-46
San Mateo County					
CWS - Bear Gulch **1**	0.75	0.75	0.75	0.75	0.75
Coastside CWD **2**	0.52	0.52	0.52	0.49	0.48
Subtotal	1.27	1.27	1.27	1.24	1.23
Alameda County					
Alameda CWD **3**	5.20	5.20	5.20	5.20	5.20
Total	6.47	6.47	6.47	6.44	6.43

1 Bear Gulch

2 Pilarcitos Creek and Denniston Creek

3 Del Valle Reservoir

Source: *BAWSCA FY 2023-24 Annual Survey*

Table 3E-4: Demand Projections by Source (in mgd)

Recycled Water

Member	FY 2025-26	FY 2030-31	FY 2035-36	FY 2040-41	FY 2045-46
San Mateo County					
Daly City	1.51	1.51	1.51	1.51	1.51
Menlo Park	0.13	0.33	0.33	0.33	0.35
NCCWD	0.02	0.02	0.02	0.02	0.02
Redwood City	1.15	1.27	1.50	1.52	1.53
Subtotal	2.80	3.13	3.36	3.37	3.40
Santa Clara County					
Milpitas	1.10	1.10	1.10	1.10	1.10
Mountain View	0.40	0.40	0.40	0.40	0.40
Palo Alto	0.28	0.28	0.28	0.28	0.28
San Jose	1.06	1.11	1.31	1.76	1.78
Santa Clara	4.08	4.90	5.88	7.06	8.46
Sunnyvale	0.80	0.90	1.00	1.10	1.30
Subtotal	7.72	8.69	9.97	11.69	13.32
Alameda County					
Hayward	0.20	0.20	0.20	0.30	0.30
Total	10.72	12.01	13.52	15.36	17.02

Source: *BAWSCA FY 2023-24 Annual Survey*

Table 3E-5: Demand Projections by Source (in mgd)

Other Sources

Member	FY 2025-26	FY 2030-31	FY 2035-36	FY 2040-41	FY 2045-46
Santa Clara County					
Milpitas **1**	3.96	4.12	4.21	4.34	4.48
Mountain View **1**	1.05	1.05	1.05	1.05	1.05
Santa Clara **1**	4.07	4.07	4.07	4.07	4.07
Stanford	1.06	1.11	1.17	1.23	1.29
Sunnyvale **1**	7.84	7.96	9.40	9.96	10.64
Subtotal	17.98	18.31	19.90	20.65	21.53
Alameda County					
Alameda CWD **2**	16.25	11.88	11.72	11.85	18.91
Total	34.23	30.19	31.62	32.50	40.44

1 Purchases from SCVWD

2 Purchases from State Water Project and desalination

Source: *BAWSCA FY 2023-24 Annual Survey*

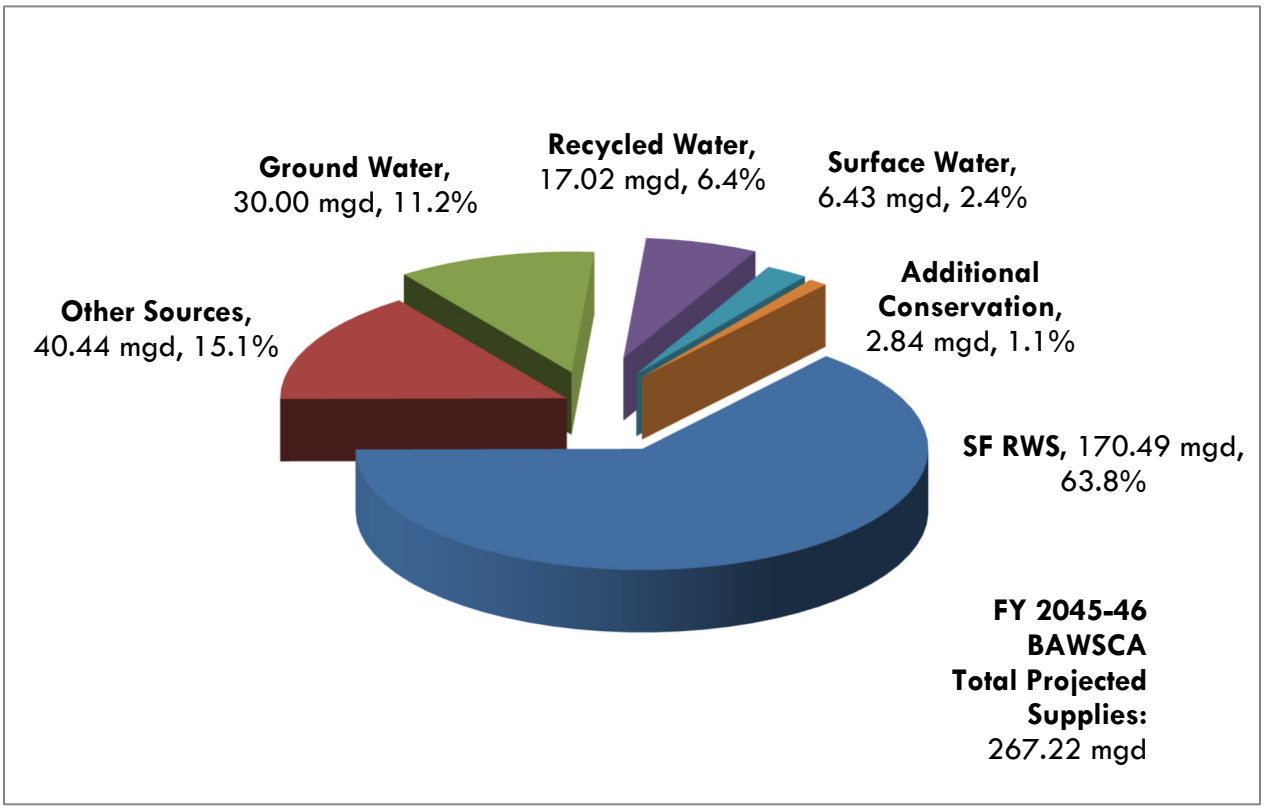
Table 3E-6: Demand Projections by Source (in mgd)

Summary

Source	FY 2025-26	FY 2030-31	FY 2035-36	FY 2040-41	FY 2045-46
SF RWS	67%	68%	67%	66%	64%
Groundwater	10%	10%	11%	12%	11%
Surface Water	3%	3%	3%	3%	2%
Recycled	5%	5%	6%	6%	6%
Other	15%	13%	13%	13%	15%
Additional Conservation	0%	1%	1%	1%	1%
Total	100%	100%	100%	100%	100%

Source: *BAWSCA FY 2023-24 Annual Surveys*

Figure 3E: Demand Projections by Source – FY 2045-46 (in mgd)



4. Current Water Use by Customer Class

Figure 4A: Potable Water Use by Customer Class – FY 2023-24

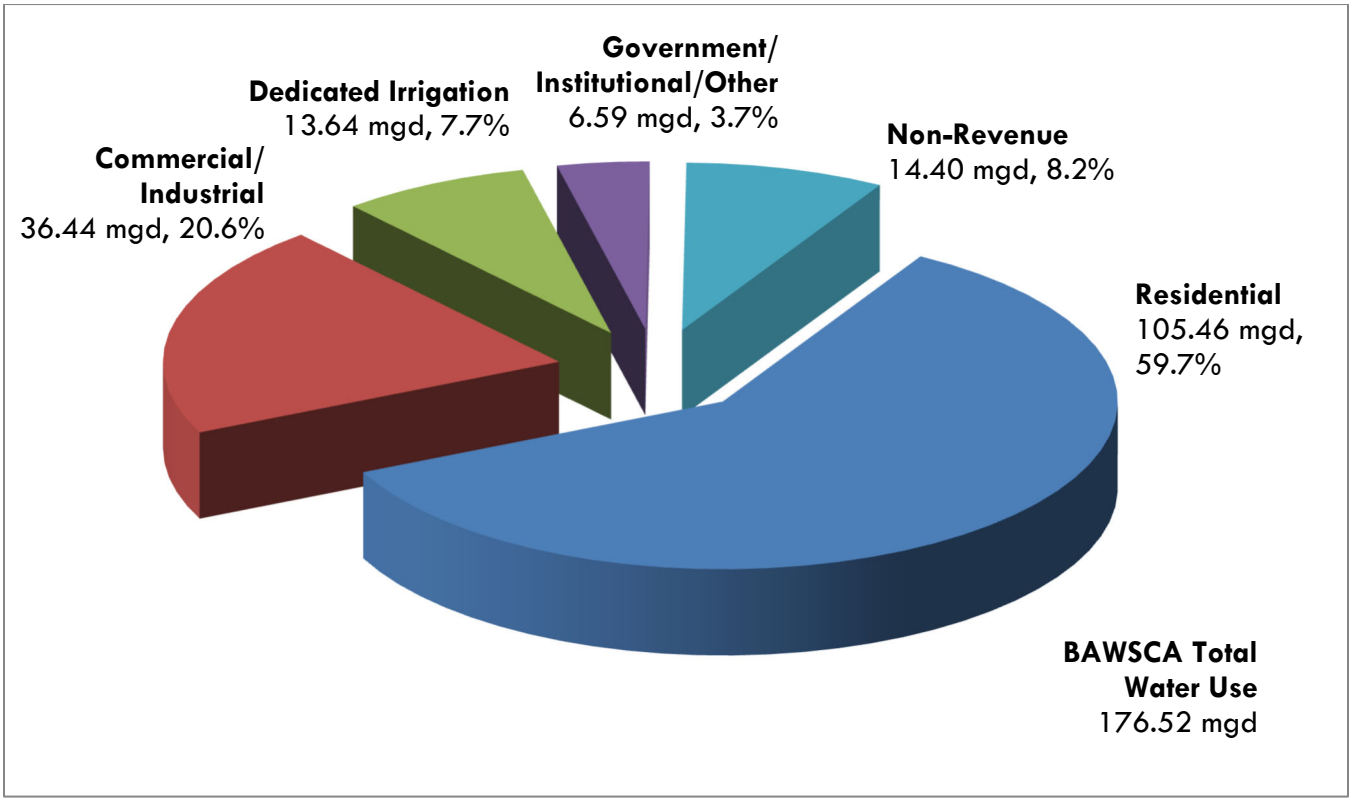


Figure 4B: Total Water Use by Customer Class – FY 2023-24

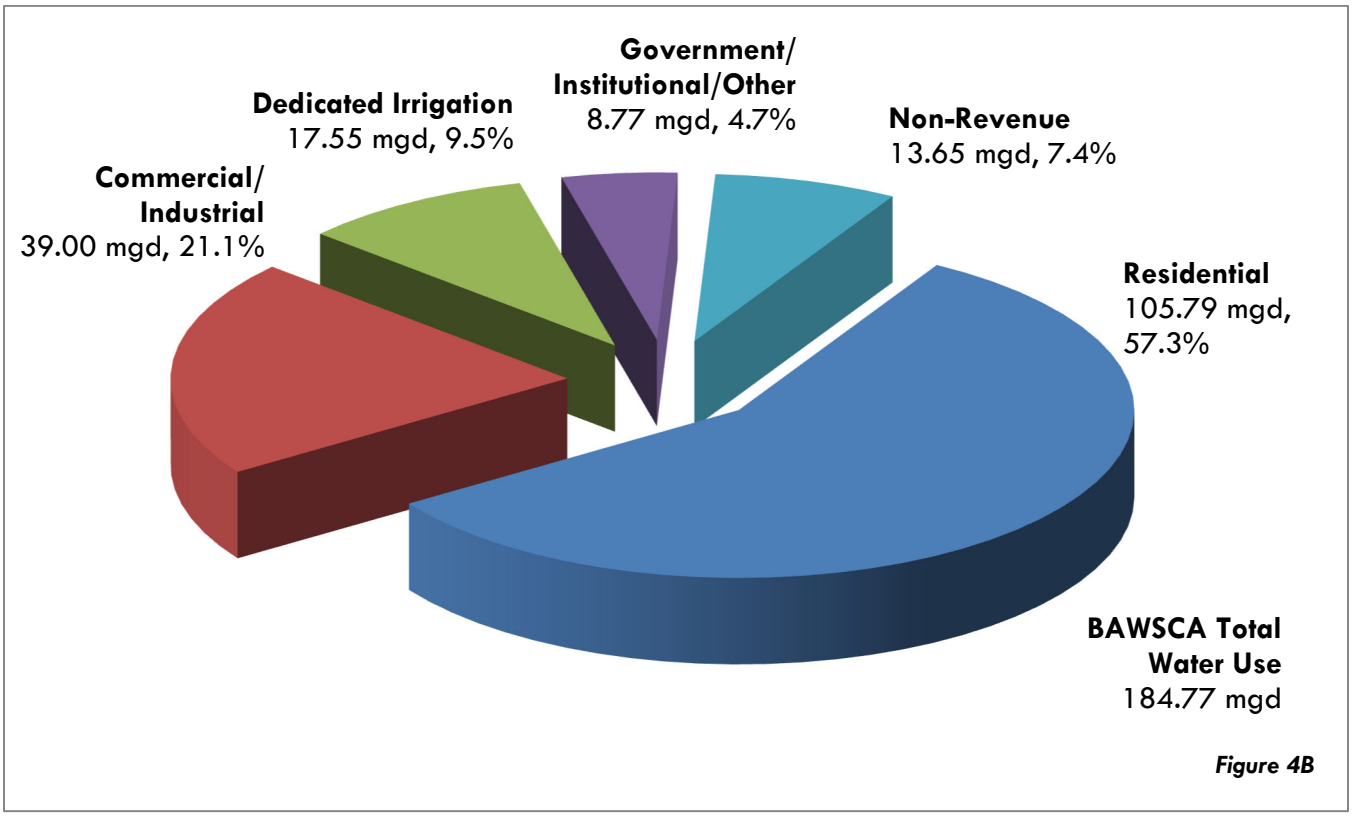
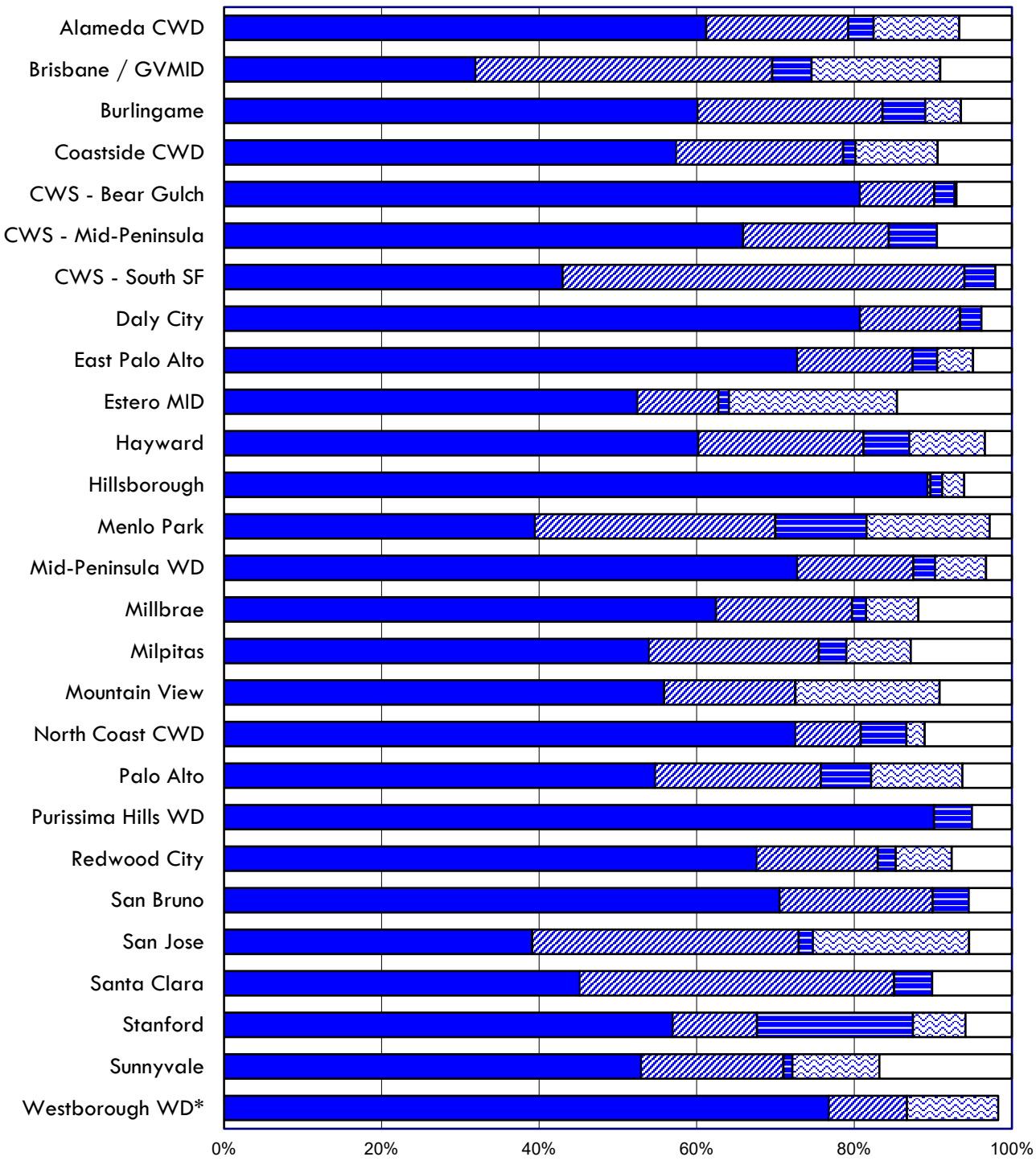


Figure 4C: Potable Water Use by Sector for BAWSCA Agencies – FY 2023-24



* Negative non-revenue water amounts not displayed.

Figure 4C

Table 4A: Potable Water Use by Customer Class – FY 2023-24 (in ccf)

	Residential			Non-Residential							Total Potable Consumption	
Member	Single Family	Multiple Family	Subtotal	Commercial	Industrial	Comm'l/Ind'l Subtotal	Gov't/ Instit'l/Other	Subtotal	Dedicated Irrigation†	Non-Revenue Water‡	Minus Recycled Water†	mgd
San Mateo County												
Brisbane / GVMID	78,734	16,243	**94,977**	112,183	0	**112,183**	14,897	**127,080**	48,660	27,035	**297,752**	**0.61**
Burlingame	602,498	324,683	**927,182**	362,528	0	**362,528**	83,711	**446,239**	70,169	99,556	**1,543,145**	**3.16**
CWS - Bear Gulch	3,814,621	121,787	**3,936,408**	460,647	937	**461,584**	125,064	**586,648**	12,628	342,922	**4,878,606**	**10.00**
CWS - Mid-Peninsula	2,932,667	867,206	**3,799,873**	1,051,436	14,735	**1,066,171**	351,992	**1,418,163**	0	548,933	**5,766,969**	**11.82**
CWS - South SF	996,382	188,173	**1,184,555**	1,269,674	136,069	**1,405,743**	107,900	**1,513,643**	0	57,918	**2,756,116**	**5.65**
Coastside CWD	359,427	38,326	**397,753**	147,209	0	**147,209**	10,735	**157,943**	72,548	65,236	**693,481**	**1.42**
Daly City	1,362,543	681,566	**2,044,109**	322,585	0	**322,585**	68,689	**391,274**	0	97,702	**2,533,085**	**5.19**
East Palo Alto*	543,422	0	**543,422**	107,542	2,105	**109,647**	23,230	**132,877**	34,112	36,730	**747,141**	**1.53**
Estero MID	392,735	624,775	**1,017,510**	179,026	20,818	**199,844**	26,172	**226,016**	413,836	282,622	**1,939,984**	**3.98**
Hillsborough	943,891	0	**943,891**	4,079	0	**4,079**	15,782	**19,861**	29,386	64,021	**1,057,159**	**2.17**
Menlo Park	367,381	124,800	**492,181**	189,584	191,127	**380,711**	144,307	**525,018**	195,079	35,098	**1,247,376**	**2.56**
Mid-Peninsula WD	598,763	206,884	**805,647**	138,744	24,659	**163,403**	30,498	**193,901**	71,899	36,195	**1,107,642**	**2.27**
Millbrae	369,647	157,825	**527,472**	145,798	0	**145,798**	15,051	**160,849**	56,167	100,187	**844,675**	**1.73**
North Coast CWD	630,366	135,200	**765,566**	88,109	0	**88,109**	61,234	**149,343**	24,541	116,771	**1,056,221**	**2.16**
Redwood City	1,707,000	835,162	**2,542,162**	552,372	27,178	**579,550**	85,518	**665,068**	267,625	287,142	**3,761,997**	**7.71**
San Bruno*	951,806	0	**951,806**	262,037	0	**262,037**	61,951	**323,988**	0	73,911	**1,349,705**	**2.77**
Westborough	225,650	38,516	**264,166**	34,131	0	**34,131**	0	**34,131**	39,905	-5,956	**332,246**	**0.68**
Subtotal	16,877,533	4,361,147	**21,238,680**	5,427,684	417,628	**5,845,312**	1,226,730	**7,072,042**	1,336,555	2,266,022	**31,913,300**	**65.40**
mgd equiv	34.59	8.94	**43.52**	11.12	0.86	**11.98**	2.51	**14.49**	2.74	4.64	**65.40**	
Santa Clara County												
Milpitas	1,086,516	902,257	**1,988,773**	427,714	368,733	**796,447**	129,077	**925,524**	301,710	473,436	**3,689,443**	**7.56**
Mountain View	973,934	1,283,631	**2,257,565**	564,216	108,684	**672,900**	1,103	**674,003**	739,351	370,275	**4,041,194**	**8.28**
Palo Alto	1,853,294	566,912	**2,420,206**	821,188	110,815	**932,003**	282,517	**1,214,520**	512,139	277,896	**4,424,761**	**9.07**
Purissima Hills WD	610,361	0	**610,361**	0	0	**0**	32,580	**32,580**	0	34,359	**677,300**	**1.39**
San Jose	80,175	669,004	**749,179**	143,259	504,616	**647,875**	34,167	**682,042**	379,982	103,841	**1,915,044**	**3.92**
Santa Clara	1,634,172	1,716,952	**3,351,124**	2,389,350	578,776	**2,968,126**	358,373	**3,326,499**	0	752,153	**7,429,775**	**15.23**
Stanford	137,066	278,151	**415,217**	866	77,350	**78,216**	144,331	**222,547**	48,700	42,865	**729,329**	**1.49**
Sunnyvale	2,175,402	2,125,732	**4,301,134**	1,469,388	0	**1,469,388**	92,986	**1,562,374**	896,283	1,366,992	**8,126,783**	**16.65**
Subtotal	8,550,920	7,542,639	**16,093,559**	5,815,981	1,748,974	**7,564,955**	1,075,134	**8,640,088**	2,878,165	3,421,817	**31,033,629**	**63.60**
mgd equiv	17.52	15.46	**32.98**	11.92	3.58	**15.50**	2.20	**17.71**	5.90	7.01	**63.60**	
Alameda County												
Alameda CWD	6,729,411	3,526,841	**10,256,252**	1,942,227	1,079,964	**3,022,191**	538,070	**3,560,261**	1,822,692	1,118,164	**16,757,369**	**34.34**
Hayward	2,265,631	1,605,207	**3,870,838**	539,144	808,613	**1,347,757**	374,821	**1,722,578**	617,521	219,441	**6,430,378**	**13.18**
Subtotal	8,995,042	5,132,048	**14,127,090**	2,481,371	1,888,577	**4,369,948**	912,891	**5,282,839**	2,440,213	1,337,605	**23,187,747**	**47.52**
mgd equiv	18.43	10.52	**28.95**	5.09	3.87	**8.96**	1.87	**10.83**	5.00	2.74	**47.52**	
Total	34,423,495	17,035,833	**51,459,328**	13,725,036	4,055,179	**17,780,215**	3,214,755	**20,994,970**	6,654,933	7,025,444	**86,134,676**	**176.52**
mgd equiv	70.54	34.91	**105.46**	28.13	8.31	**36.44**	6.59	**43.03**	13.64	14.40	**176.52**	

Single family amount includes multi-family. Percentage breakdown from prior FY was used to generate an estimated breakdown by customer class for East Palo Alto

† Dedicated Irrigation refers to separately metered irrigation usage and includes agriculture (except for CCWD)

‡ Non-Revenue water calculated as difference between total production and total consumption.

Source: *BAWSCA FY 2023-24 Annual Survey*

‡ Total Potable Consumption minus recycled water.

Table 4B: Total Water Use by Customer Class – FY 2023-24 (in ccf)

	Residential			Non-Residential							Total Consumption	
Member	Single Family	Multiple Family	Subtotal	Commercial	Industrial	Comm'l/Ind'l Subtotal	Gov't/ Instit'l/Other	Subtotal	Dedicated Irrigation†	Non-Revenue Water‡		mgd
San Mateo County												
Brisbane / GVMID	78,734	16,243	**94,977**	112,183	0	**112,183**	14,897	**127,080**	48,660	27,035	**297,752**	**0.61**
Burlingame	602,498	324,683	**927,182**	362,528	0	**362,528**	83,711	**446,239**	70,169	99,556	**1,543,145**	**3.16**
CWS - Bear Gulch	3,814,621	121,787	**3,936,408**	460,647	937	**461,584**	125,064	**586,648**	12,628	342,922	**4,878,606**	**10.00**
CWS - Mid-Peninsula	2,932,667	867,206	**3,799,873**	1,051,436	14,735	**1,066,171**	351,992	**1,418,163**	0	548,933	**5,766,969**	**11.82**
CWS - South SF	996,382	188,173	**1,184,555**	1,269,674	136,069	**1,405,743**	107,900	**1,513,643**	0	57,918	**2,756,116**	**5.65**
Coastside CWD	359,427	38,326	**397,753**	147,209	0	**147,209**	10,735	**157,943**	72,548	65,236	**693,481**	**1.42**
Daly City	1,362,543	681,566	**2,044,109**	322,585	0	**322,585**	68,689	**391,274**	0	122,967	**2,558,350**	**5.24**
East Palo Alto*	543,422	0	**543,422**	107,542	2,105	**109,647**	23,230	**132,877**	34,112	36,730	**747,141**	**1.53**
Estero MID	392,735	624,775	**1,017,510**	179,026	20,818	**199,844**	26,172	**226,016**	413,836	282,622	**1,939,984**	**3.98**
Hillsborough	943,891	0	**943,891**	4,079	0	**4,079**	15,782	**19,861**	29,386	64,021	**1,057,159**	**2.17**
Menlo Park	367,381	124,800	**492,181**	189,584	191,127	**380,711**	144,307	**525,018**	195,079	35,098	**1,247,376**	**2.56**
Mid-Peninsula WD	598,763	206,884	**805,647**	138,744	24,659	**163,403**	30,498	**193,901**	71,899	36,195	**1,107,642**	**2.27**
Millbrae	369,647	157,825	**527,472**	145,798	0	**145,798**	15,051	**160,849**	56,167	100,187	**844,675**	**1.73**
North Coast CWD	630,366	135,200	**765,566**	88,109	0	**88,109**	75,190	**163,299**	24,541	118,352	**1,071,758**	**2.20**
Redwood City	1,707,000	835,162	**2,542,162**	555,838	34,463	**590,301**	85,594	**675,895**	513,107	286,116	**4,017,280**	**8.23**
San Bruno*	951,806	0	**951,806**	262,037	0	**262,037**	61,951	**323,988**	0	73,911	**1,349,705**	**2.77**
Westborough	225,650	38,516	**264,166**	34,131	0	**34,131**	0	**34,131**	39,905	-5,956	**332,246**	**0.68**
Subtotal	16,877,533	4,361,147	**21,238,680**	5,431,150	424,913	**5,856,063**	1,240,762	**7,096,825**	1,582,037	2,291,842	**32,209,385**	**66.01**
mgd equiv	34.59	8.94	**43.52**	11.13	0.87	**12.00**	2.54	**14.54**	3.24	4.70	**66.01**	
Santa Clara County												
Milpitas	1,086,516	902,257	**1,988,773**	427,714	368,733	**796,447**	129,077	**925,524**	661,295	473,436	**4,049,028**	**8.30**
Mountain View	973,934	1,283,631	**2,257,565**	593,181	108,684	**701,865**	1,389	**703,254**	910,074	402,909	**4,273,802**	**8.76**
Palo Alto	1,853,294	566,912	**2,420,206**	821,188	110,815	**932,003**	652,637	**1,584,640**	607,091	277,897	**4,889,834**	**10.02**
Purissima Hills WD	610,361	0	**610,361**	0	0	**0**	32,580	**32,580**	0	34,359	**677,300**	**1.39**
San Jose	80,175	669,004	**749,179**	143,259	674,353	**817,612**	34,167	**851,779**	572,065	103,841	**2,276,864**	**4.67**
Santa Clara	1,634,172	1,881,655	**3,515,827**	3,073,614	937,778	**4,011,392**	871,558	**4,882,950**	0	752,153	**9,150,929**	**18.75**
Stanford	137,066	278,151	**415,217**	866	77,350	**78,216**	232,818	**311,034**	465,802	46,878	**1,238,931**	**2.54**
Sunnyvale	2,175,402	2,125,732	**4,301,134**	1,469,388	0	**1,469,388**	92,986	**1,562,374**	1,323,627	939,648	**8,126,783**	**16.65**
Subtotal	8,550,920	7,707,342	**16,258,262**	6,529,210	2,277,713	**8,806,923**	2,047,212	**10,854,134**	4,539,954	3,031,120	**34,683,471**	**71.08**
mgd equiv	17.52	15.79	**33.32**	13.38	4.67	**18.05**	4.20	**22.24**	9.30	6.21	**71.08**	
Alameda County												
Alameda CWD	6,729,411	3,526,841	**10,256,252**	1,942,227	1,079,964	**3,022,191**	538,070	**3,560,261**	1,822,692	1,118,164	**16,757,369**	**34.34**
Hayward	2,265,631	1,605,207	**3,870,838**	539,144	808,613	**1,347,757**	454,132	**1,801,889**	617,521	220,533	**6,510,781**	**13.34**
Subtotal	8,995,042	5,132,048	**14,127,090**	2,481,371	1,888,577	**4,369,948**	992,202	**5,362,150**	2,440,213	1,338,697	**23,268,150**	**47.68**
mgd equiv	18.43	10.52	**28.95**	5.09	3.87	**8.96**	2.03	**10.99**	5.00	2.74	**47.68**	
Total	34,423,495	17,200,536	**51,624,031**	14,441,731	4,591,203	**19,032,934**	4,280,176	**23,313,110**	8,562,205	6,661,660	**90,161,006**	**184.77**
mgd equiv	70.54	35.25	**105.79**	29.60	9.41	**39.00**	8.77	**47.78**	17.55	13.65	**184.77**	

* Single family amount includes multi-family

† Dedicated Irrigation refers to separately metered irrigation usage and includes agriculture (except for CCWD)

‡ Non-Revenue water calculated as difference between total production and total consumption.

Source: *BAWSCA FY 2023-24 Annual Survey*

Table 4C: Number of Customer Accounts – FY 2023-24

	Residential			Non-Residential						
Member	Single Family*	Multiple Family	Res Subtotal	Commercial	Industrial	Ind/Comm Subtotal	Gov't, Other	Non-Res Subtotal	Dedicated Irrigation†	Total
San Mateo County										
Brisbane / GVMID	1,553	120	**1,673**	294	0	**294**	8	**302**	95	**2,070**
Burlingame	6,416	1,178	**7,594**	1,288	0	**1,288**	191	**1,479**	145	**9,218**
CWS - Bear Gulch	17,154	188	**17,342**	1,253	1	**1,254**	164	**1,418**	8	**18,768**
CWS - Mid-Peninsula	31,394	761	**32,155**	3,361	84	**3,445**	365	**3,810**	0	**35,965**
CWS - SSF	14,062	188	**14,250**	1,944	49	**1,993**	214	**2,207**	0	**16,457**
Coastside CWD	5,837	116	**5,953**	394	0	**394**	1,288	**1,682**	84	**7,719**
Daly City	19,848	1,835	**21,683**	786	0	**786**	506	**1,292**	0	**22,975**
East Palo Alto	3,692	0	**3,692**	146	26	**172**	90	**262**	51	**4,005**
Estero MID	4,415	2,579	**6,994**	176	52	**228**	261	**489**	504	**7,987**
Hillsborough	4,193	0	**4,193**	10	0	**10**	17	**27**	84	**4,304**
Menlo Park	3,517	167	**3,684**	160	169	**329**	197	**526**	230	**4,440**
Mid-Peninsula WD	7,355	204	**7,559**	420	48	**468**	80	**548**	88	**8,195**
Millbrae	5,785	294	**6,079**	290	0	**290**	132	**422**	112	**6,613**
North Coast CWD	11,160	301	**11,461**	346	0	**346**	1,317	**1,663**	92	**13,216**
Redwood City	19,375	1,701	**21,076**	1,733	53	**1,786**	963	**2,749**	459	**24,284**
San Bruno	10,500	0	**10,500**	568	0	**568**	138	**706**	0	**11,206**
Westborough WD	3,750	14	**3,764**	39	0	**39**	57	**96**	92	**3,952**
Subtotal	170,006	9,646	**179,652**	13,208	482	**13,690**	5,988	**19,678**	2,044	**201,374**
Santa Clara County										
Milpitas	12,428	1,919	**14,347**	612	288	**900**	670	**1,570**	682	**16,599**
Mountain View	13,167	2,294	**15,461**	1,152	313	**1,465**	54	**1,519**	1,082	**18,062**
Palo Alto	15,451	1,972	**17,423**	1,526	54	**1,580**	934	**2,514**	450	**20,387**
Purissima Hills WD	2,101	0	**2,101**	0	0	**0**	39	**39**	0	**2,140**
San Jose	1,158	281	**1,439**	183	289	**472**	45	**517**	388	**2,344**
Santa Clara	17,270	5,045	**22,315**	2,652	339	**2,991**	530	**3,521**	0	**25,836**
Stanford	Not Applicable									
Sunnyvale	23,600	1,776	**25,376**	1,910	0	**1,910**	1,177	**3,087**	950	**29,413**
Subtotal	85,175	13,287	**98,462**	8,035	1,283	**9,318**	3,449	**12,767**	3,552	**114,781**
Alameda County										
Alameda CWD	69,688	9,294	**78,982**	3,460	1,076	**4,536**	750	**5,286**	2,251	**86,519**
Hayward	30,753	1,243	**31,996**	1,676	1,231	**2,907**	1,679	**4,586**	1,486	**38,068**
Subtotal	100,441	10,537	**110,978**	5,136	2,307	**7,443**	2,429	**9,872**	3,737	**124,587**
Total	355,622	33,470	**389,092**	26,379	4,072	**30,451**	11,866	**42,317**	9,333	**440,742**

*Individually metered homes, townhouses, and condos

† Dedicated Irrigation refers to separately metered irrigation usage

Source: *BAWSCA FY 2023-24 Annual Survey*

Table 4D: Non-Potable Water Use by Customer Class – FY 2023-24

	Residential			Non-Residential							Total Non-Potable Consumption	
Member	Single Family	Multiple Family	Subtotal	Commercial	Industrial	Comm'l/Ind'l Subtotal	Gov't/ Instit'l/Other	Subtotal	Dedicated Irrigation†	Unaccounted		mgd
San Mateo County												
Brisbane / GVMID	0	0	**0**	0	0	**0**	0	**0**	0	0	**0**	**0.00**
Burlingame	0	0	**0**	0	0	**0**	0	**0**	0	0	**0**	**0.00**
CWS - Bear Gulch	0	0	**0**	0	0	**0**	0	**0**	0	0	**0**	**0.00**
CWS - Mid-Peninsula	0	0	**0**	0	0	**0**	0	**0**	0	0	**0**	**0.00**
CWS - South SF	0	0	**0**	0	0	**0**	0	**0**	0	0	**0**	**0.00**
Coastside CWD	0	0	**0**	0	0	**0**	0	**0**	0	0	**0**	**0.00**
Daly City	0	0	**0**	0	0	**0**	0	**0**	0	25,266	**25,266**	**0.05**
East Palo Alto*	0	0	**0**	0	0	**0**	0	**0**	0	0	**0**	**0.00**
Estero MID	0	0	**0**	0	0	**0**	0	**0**	0	0	**0**	**0.00**
Hillsborough	0	0	**0**	0	0	**0**	0	**0**	0	0	**0**	**0.00**
Menlo Park	0	0	**0**	0	0	**0**	0	**0**	0	0	**0**	**0.00**
Mid-Peninsula WD	0	0	**0**	0	0	**0**	0	**0**	0	0	**0**	**0.00**
Millbrae	0	0	**0**	0	0	**0**	0	**0**	0	0	**0**	**0.00**
North Coast CWD	0	0	**0**	0	0	**0**	13,956	**13,956**	0	1,580	**15,536**	**0.03**
Redwood City	0	0	**0**	3,466	7,285	**10,751**	76	**10,827**	245,482	-1,026	**255,283**	**0.52**
San Bruno*	0	0	**0**	0	0	**0**	0	**0**	0	0	**0**	**0.00**
Westborough	0	0	**0**	0	0	**0**	0	**0**	0	0	**0**	**0.00**
Subtotal	0	0	**0**	3,466	7,285	**10,751**	14,032	**24,783**	245,482	25,820	**296,085**	**0.61**
mgd equiv	0.00	0.00	**0.00**	0.01	0.01	**0.02**	0.03	**0.05**	0.50	0.05	**0.61**	
Santa Clara County												
Milpitas	0	0	**0**	0	0	**0**	0	**0**	359,585	0	**359,585**	**0.74**
Mountain View	0	0	**0**	28,965	0	**28,965**	286	**29,251**	170,723	32,634	**232,608**	**0.48**
Palo Alto	0	0	**0**	0	0	**0**	370,120	**370,120**	94,952	1	**465,073**	**0.95**
Purissima Hills WD	0	0	**0**	0	0	**0**	0	**0**	0	0	**0**	**0.00**
San Jose**	0	0	**0**	0	169,737	**169,737**	0	**169,737**	192,083	0	**361,820**	**0.74**
Santa Clara	0	164,703	**164,703**	684,264	359,002	**1,043,266**	513,185	**1,556,451**	0	0	**1,721,154**	**3.53**
Stanford	0	0	**0**	0	0	**0**	88,487	**88,487**	417,102	4,013	**509,602**	**1.04**
Sunnyvale	0	0	**0**	0	0	**0**	0	**0**	427,344	-427,344	**0**	**0.00**
Subtotal	0	164,703	**164,703**	713,229	528,739	**1,241,968**	972,078	**2,214,046**	1,661,789	-390,696	**3,649,842**	**7.48**
mgd equiv	0.00	0.34	**0.34**	1.46	1.08	**2.55**	1.99	**4.54**	3.41	-0.80	**7.48**	
Alameda County												
Alameda CWD	0	0	**0**	0	0	**0**	0	**0**	0	0	**0**	**0.00**
Hayward	0	0	**0**	0	0	**0**	79,311	**79,311**	0	1,092	**80,403**	**0.16**
Subtotal	0	0	**0**	0	0	**0**	79,311	**79,311**	0	1,092	**80,403**	**0.16**
mgd equiv	0.00	0.00	**0.00**	0.00	0.00	**0.00**	0.16	**0.16**	0.00	0.00	**0.16**	
Total	0	164,703	**164,703**	716,695	536,024	**1,252,719**	1,065,421	**2,318,140**	1,907,271	-363,784	**4,026,330**	**8.25**
mgd equiv	0.00	0.34	**0.34**	1.47	1.10	**2.57**	2.18	**4.75**	3.91	-0.75	**8.25**	

* Single family amount includes multi-family

† Dedicated Irrigation refers to separately metered irrigation usage and includes agriculture

Source: *BAWSCA FY 2023-24 Annual Survey*

5. Climatological Data

Table 5A: Climatological Data

Rainfall				
	Precipitation (Inches)			
	Redwood City*	San Jose	Newark	SF Airport
Historical Avg (1906-2024)				
	18.9	12.8	14.3	19.6
Recent Past				
FY 2018-19	20.3	16.4	16.1	23.3
FY 2019-20	9.5	7.3	7.1	9.2
FY 2020-21	6.31	5.3	1.9	7.3
FY 2021-22	16.0	7.3	11.2	18.2
FY 2022-23	34.7	15.9	13.5	31.7
FY 2023-24	18.6	17.1	16.9	20.2
FY 2023-24 Deviation from Historical Avg				
	-0.3	4.3	2.6	0.6
Temperature				
	Average Maximum Temperature (Degrees F)			
	Redwood City*	San Jose	Newark	SF Airport
Historical Avg (1948-2024)				
Annual	71.1	70.5	69.4	65.6
Summer**	81.1	79.8	77.8	71.3
Recent Past				
2018-19 Annual	70.1	71.3	68.2	66.0
Summer**	79.0	81.1	76.2	70.3
2019-20 Annual	71.5	72.8	68.1	68.5
Summer**	81.4	82.3	76.4	75.7
2020-21 Annual	71.7	72.9	69.9	68.6
Summer**	82.1	83.3	78.3	75.6
2021-22 Annual	71.1	72.9	72.1	67.0
Summer**	79.8	81.2	80.3	72.9
2022-23 Annual	69.3	69.9	69.2	65.4
Summer**	81.6	82.7	81.9	74.1
2023-24 Annual	70.8	74.1	71.5	67.8
Summer**	80.3	82.5	81.5	73.9
FY 2023-24 Deviation From Historical Avg				
Annual	-0.4	3.6	2.1	2.3
Summer**	-0.8	2.7	3.8	2.7

*Values for Palo Alto were sometimes used in cases where Redwood City values were absent or incomplete. Values for Fremont were sometimes use in cases where Newark values were absent or incomplete.

**July, August, September

Source: *Western Regional Climate Center*

Figure 5A: Total Annual Precipitation

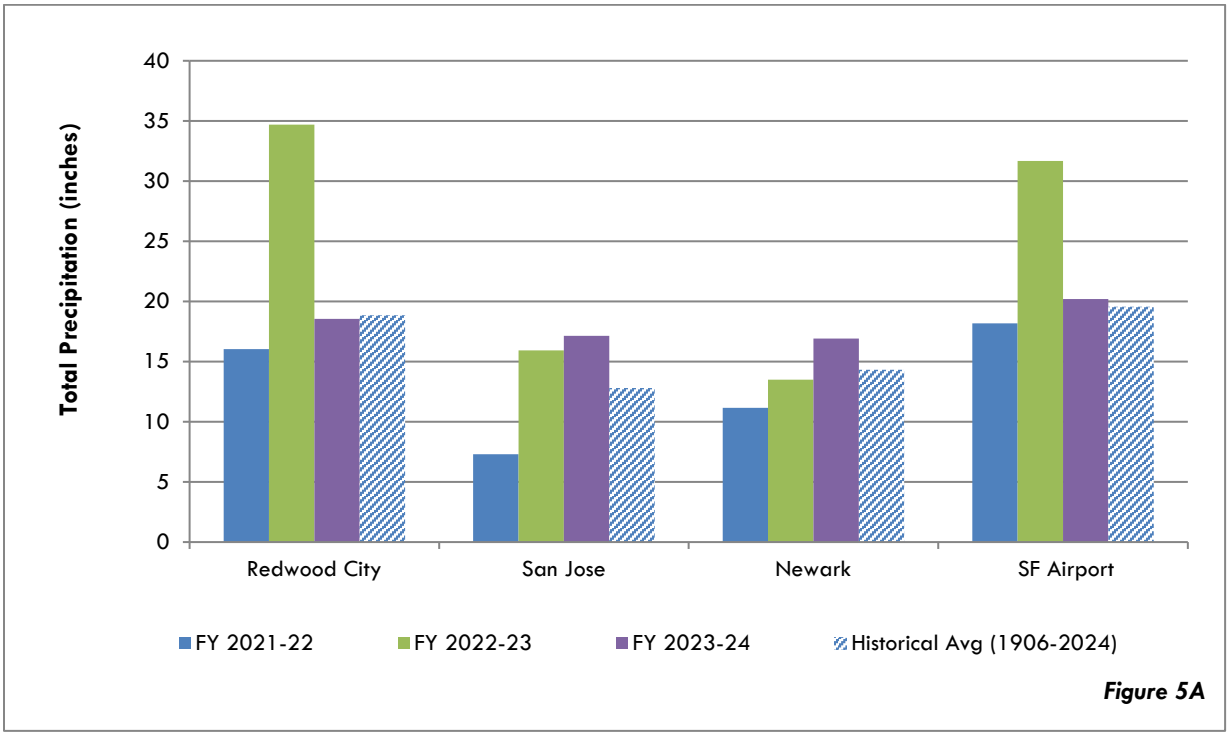


Figure 5A

Figure 5B: Average Maximum Daily Temperature

Figure 5B

6. Service Area Populations

Table 6: BAWSCA Service Area Populations

												Projections				
	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2025-26	FY 2030-31	FY 2035-36	FY 2040-41	FY 2045-46
San Mateo County																
Brisbane/GVMID	4,282	4,282	4,562	4,156	4,573	4,587	4,657	4,598	4,851	4,851	4,862	5,134	5,417	5,702	5,987	6,272
Burlingame	30,282	32,993	31,109	31,109	31,109	31,109	31,109	32,407	32,407	31,080	31,457	34,592	36,024	37,457	38,889	40,322
CWS - Bear Gulch	58,352	59,883	59,883	60,513	60,719	60,827	60,827	60,814	60,903	60,982	61,175	60,907	61,255	61,778	62,302	62,835
CWS - Mid-Peninsula	129,037	133,679	133,679	135,455	135,943	138,419	137,217	137,487	137,490	137,660	137,628	139,142	142,138	144,913	147,802	150,974
CWS - South SF	60,172	61,223	61,223	61,769	62,039	62,894	62,894	63,319	63,702	64,062	64,121	65,539	66,028	66,759	69,100	71,550
Coastside CWD	16,652	16,668	16,704	16,704	16,776	16,811	18,738	18,789	18,839	18,890	18,940	18,991	19,238	19,371	19,472	19,573
Daly City	104,462	108,510	109,139	109,139	109,139	109,139	106,638	106,638	107,197	107,000	98,000	98,000	98,000	98,000	98,000	98,000
East Palo Alto	25,927	29,143	24,424	26,181	26,181	26,181	26,181	25,935	25,935	29,519	27,638	27,000	27,000	27,000	27,000	27,000
Estero MID	37,000	37,088	37,165	37,518	37,687	37,687	37,687	37,687	33,056	37,443	35,556	35,644	35,734	35,823	35,912	36,002
Guadalupe Valley	Included with Brisbane															
Hillsborough	10,860	10,869	10,869	10,869	10,869	10,869	10,869	11,397	11,397	11,592	11,766	11,940	12,783	12,783	12,783	12,783
Menlo Park	16,066	15,342	16,066	16,066	17,071	17,648	18,224	19,297	21,340	20,319	21,340	23,383	25,166	27,675	30,184	32,693
Mid-Peninsula WD	26,270	26,730	26,730	26,924	26,924	26,924	26,924	27,560	29,260	30,159	30,609	31,059	31,369	32,416	33,499	34,496
Millbrae	21,532	21,532	22,848	22,848	22,848	23,168	22,832	22,848	22,277	21,579	22,087	22,846	26,774	26,657	27,081	27,505
North Coast CWD	39,000	40,000	40,000	40,000	40,000	40,000	38,546	38,331	37,533	37,082	36,426	39,084	39,654	40,032	40,414	40,800
Redwood City	86,427	87,059	87,023	87,023	87,023	87,023	90,518	89,037	89,037	90,928	91,874	93,765	97,128	100,614	104,247	107,947
San Bruno	43,798	43,798	44,409	44,409	44,409	44,409	44,409	44,409	44,409	43,910	44,745	45,865	46,472	47,080	51,922	56,764
Skyline	Included with CWS - Bear Gulch															
Westborough WD	13,259	13,260	14,050	14,050	12,703	12,703	12,703	13,466	13,486	13,486	13,486	14,265	14,470	14,990	15,195	15,400
Subtotal	723,378	742,060	739,883	744,733	746,013	750,398	750,973	754,019	753,119	760,542	751,710	767,156	784,650	799,050	819,789	840,916
Santa Clara County																
Milpitas	69,783	70,800	75,521	77,528	78,106	74,865	77,961	77,961	80,839	81,067	81,773	90,400	98,100	106,000	113,200	120,400
Mountain View	75,280	76,413	75,430	77,801	79,027	79,492	79,772	82,814	81,764	81,501	81,501	91,810	98,080	104,350	110,630	116,900
Palo Alto	66,642	66,152	68,020	66,930	67,320	67,709	67,082	66,573	67,973	68,624	67,901	72,297	75,445	78,593	81,741	84,889
Purissima Hills WD	6,142	6,140	6,150	6,150	6,150	6,150	6,150	6,822	6,150	6,245	6,245	6,833	6,898	7,025	7,112	7,202
San Jose**	15,286	15,948	9,059	13,733	16,084	16,032	35,468	37,991	40,514	43,036	45,559	50,000	62,000	87,000	103,000	106,960
Santa Clara	118,459	120,973	120,973	123,752	129,604	129,604	129,604	130,746	130,746	132,476	130,746	137,215	142,425	151,715	159,500	167,285
Stanford*	29,635	30,486	30,943	31,558	32,218	32,578	32,075	13,629	32,235	33,827	37,329	37,800	39,900	42,000	44,200	46,300
Sunnyvale	147,055	148,028	148,372	149,831	153,389	155,567	156,503	153,827	156,503	156,317	157,566	165,503	174,880	184,862	195,414	238,910
Subtotal	528,282	534,940	534,468	547,283	561,898	561,997	584,615	570,363	596,724	603,093	608,620	651,858	697,728	761,545	814,797	888,846
Alameda County																
Alameda CWD	340,000	344,000	348,000	350,538	356,000	356,160	356,823	358,246	344,855	344,000	344,000	346,000	352,000	359,000	365,000	375,000
Hayward	151,037	152,889	158,985	158,985	160,500	160,500	160,500	160,311	160,591	162,954	162,954	166,229	174,709	183,621	192,987	202,831
Subtotal	491,037	496,889	506,985	509,523	516,500	516,660	517,323	518,557	505,446	506,954	506,954	512,229	526,709	542,621	557,987	577,831
Total	1,742,697	1,773,889	1,781,336	1,801,539	1,824,411	1,829,055	1,852,911	1,842,939	1,855,289	1,870,589	1,867,284	1,931,243	2,009,087	2,103,216	2,192,573	2,307,593

*Stanford FY 2020-21 service year population lower than normal due to many faculty, staff, and students being off campus due to COVID-19.

**In FY 2019-20 San Jose engaged a consultant (Brown & Caldwell) to conduct a population study of the entire Muni Water Service Area (north and south). The methodology employed by the consultant relies on more granular data than previous population estimations. The new methodology was reviewed and approved by the Dept. of Water Resources, as this will impact UWMP/SBX7-7 reporting.

Source: *BAWSCA Annual Surveys*

7. Current Water Use Per Capita

Figure 7A-1: Residential Per Capita Consumption - FY 2023-24 (in gpcd)

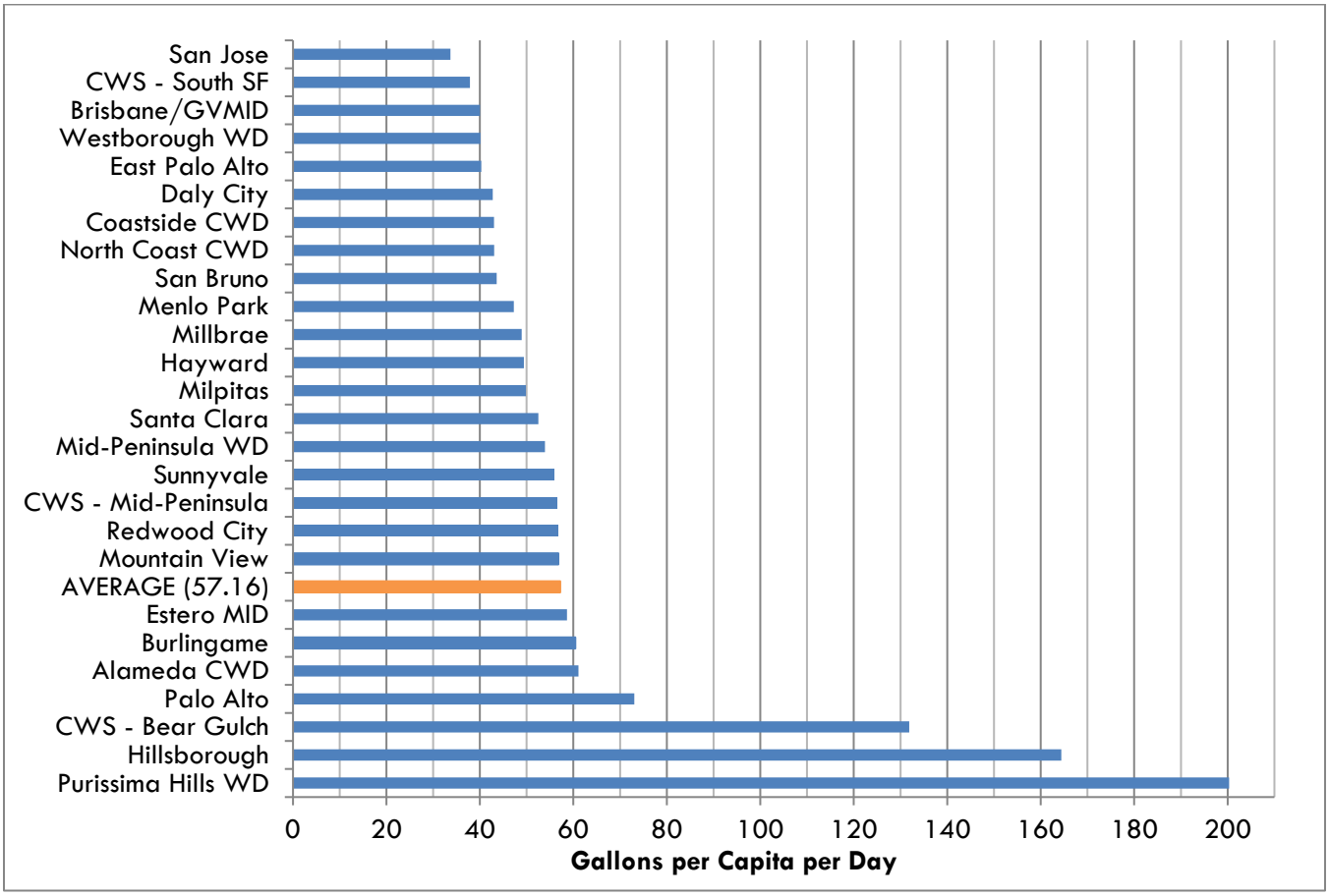


Figure 7A-2: Residential Per Capita Consumption (in gpcd) Distributed by Percentage of Population- FY 2023-24

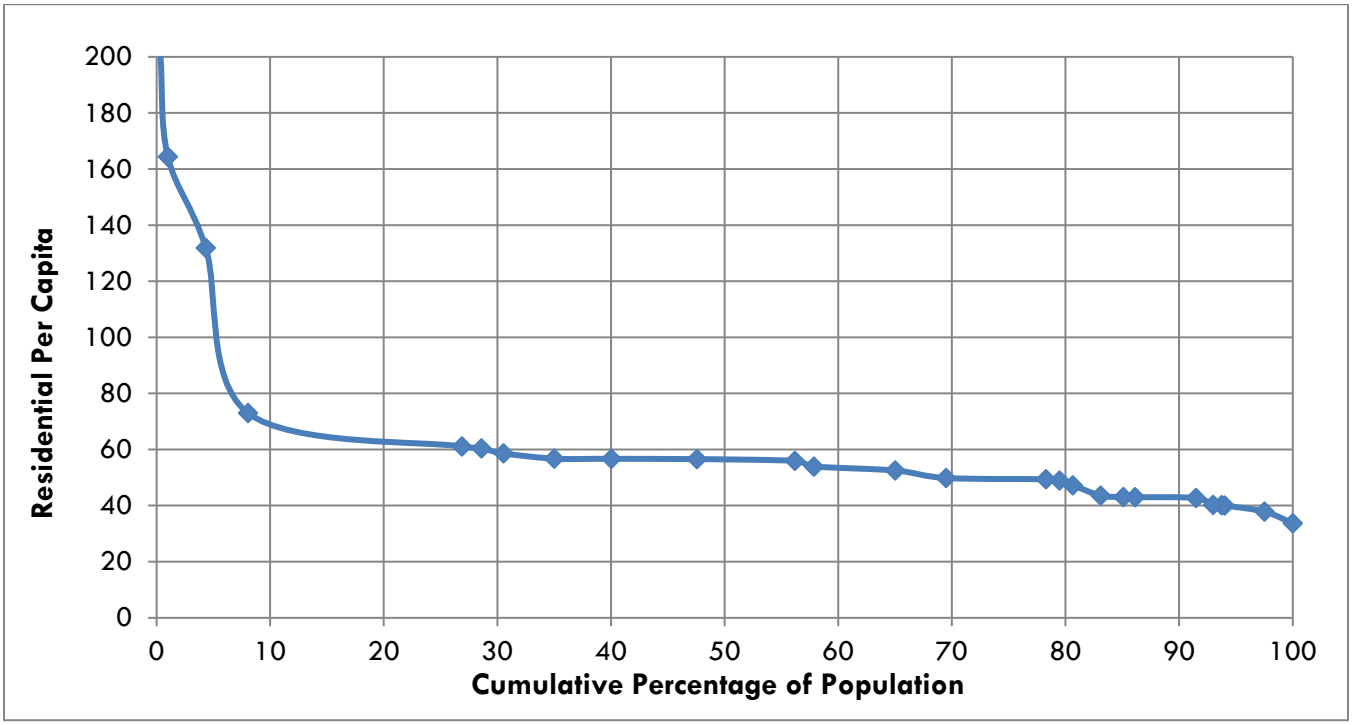


Figure 7B: Gross Per Capita Consumption(in gpcd) – FY 2023-24

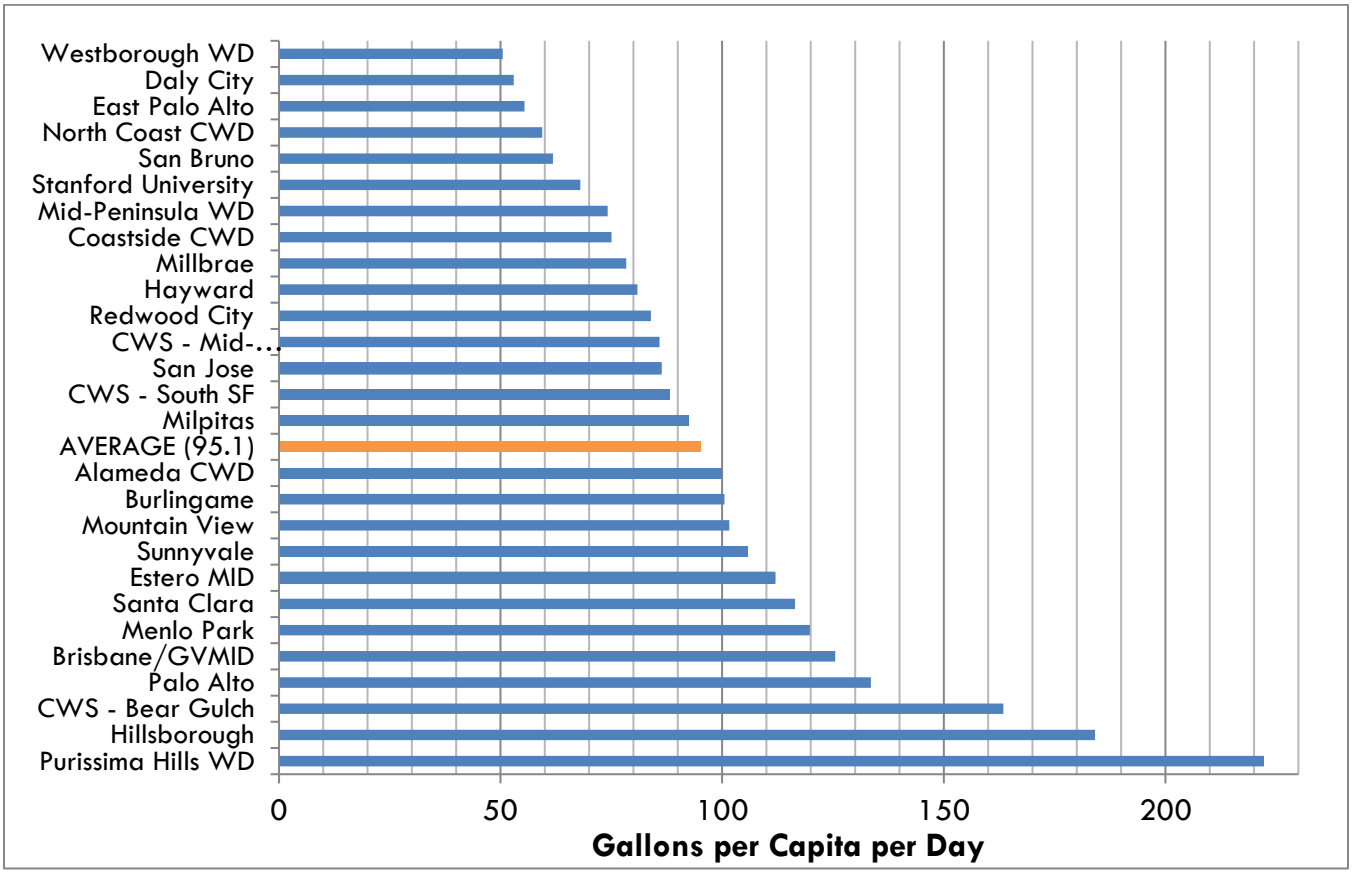


Figure 7C: Historical BAWSCA/BAWUA Per Capita Consumption (in gpcd) - 1975-96 to Present

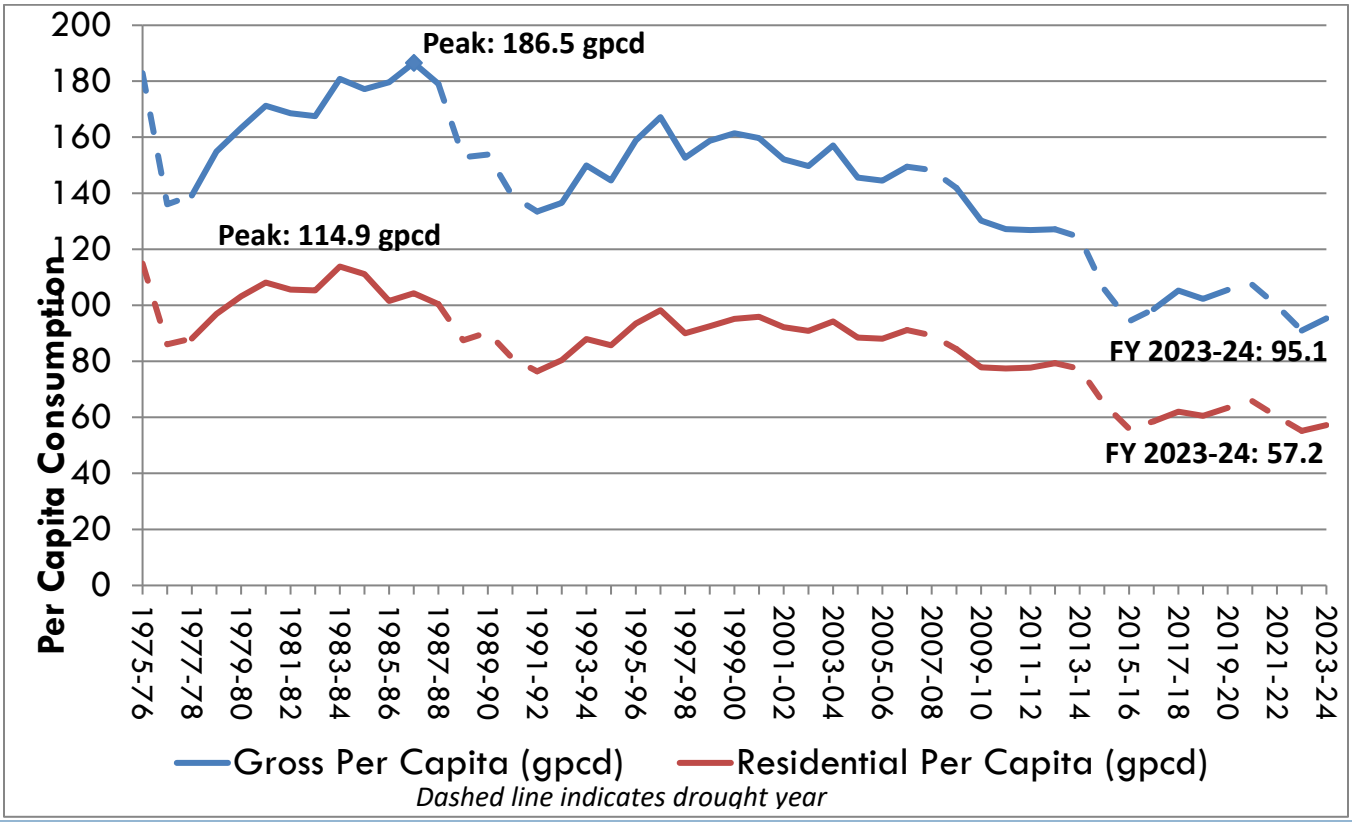


Table 7A: Residential Per Capita Consumption and Single-Family Average Monthly Use Among BAWSCA Members - FY 2023-24

Member	Service Area Population	Residential Consumption* (ccf)	*Residential Per Capita Consumption (gpcd)	**Single-Family Average Monthly Use (ccf)
San Jose	45,559	749,179	34	5.8
CWS - South SF	64,121	1,184,555	38	5.9
Brisbane/GVMID	4,862	94,977	40	4.2
Westborough WD	13,486	264,166	40	5.0
East Palo Alto***	27,638	543,422	40	12.3
Daly City	98,000	2,044,109	43	5.7
Coastside CWD	18,940	397,753	43	5.1
North Coast CWD	36,426	765,566	43	4.7
San Bruno	44,745	951,806	44	7.6
Menlo Park	21,340	492,181	47	8.7
Millbrae	22,087	527,472	49	0.9
Hayward	162,954	3,870,838	49	6.1
Milpitas	81,773	1,988,773	50	7.3
Santa Clara	130,746	3,351,124	53	7.9
Mid-Peninsula WD	30,609	805,647	54	6.8
Sunnyvale	157,566	4,301,134	56	7.7
CWS - Mid-Peninsula	137,628	3,799,873	57	7.8
Redwood City	91,874	2,542,162	57	7.3
Mountain View	81,501	2,257,565	57	6.2
Estero MID	35,556	1,017,510	59	9.0
Burlingame	31,457	927,182	60	7.8
Alameda CWD	344,000	10,256,252	61	8.0
Palo Alto	67,901	2,420,206	73	10.0
CWS - Bear Gulch	61,175	3,936,408	132	18.5
Hillsborough	11,766	943,891	164	18.8
Purissima Hills WD	6,245	610,361	200	24.2
Agency Totals	1,829,955	51,044,111		
Average Residential Per Capita Consumption			57.16	
Average Single Family Monthly Use				8.5

*Includes multi-family and single family accounts. Excludes recycled water.

**Individually metered single family homes, townhouses, and condos.

***East Palo Alto reports multi-family with single family use.

Notes: Due to its unique service area, Stanford is excluded.

Source: *BAWSCA FY 2023-24 Annual Survey*

Table 7B: Gross Per Capita Consumption Among BAWSCA Members - FY 2023-24

Member	Service Area Population	*Total Consumption (ccf)	Gross Per Capita Consumption (gpcpd)
Westborough WD	13,486	332,246	50.5
Daly City	98,000	2,533,085	53.0
East Palo Alto	27,638	747,141	55.4
North Coast CWD	36,426	1,056,221	59.4
San Bruno	44,745	1,349,705	61.8
Stanford University	37,329	1,238,931	68.0
Mid-Peninsula WD	30,609	1,107,642	74.2
Coastside CWD	18,940	693,481	75.0
Millbrae	22,087	844,675	78.4
Hayward	162,954	6,430,378	80.9
Redwood City	91,874	3,761,997	83.9
CWS - Mid-Peninsula	137,628	5,766,969	85.9
San Jose**	45,559	1,915,044	86.1
CWS - South SF	64,121	2,756,116	88.1
Milpitas	81,773	3,689,443	92.5
Alameda CWD	344,000	16,757,369	99.8
Burlingame	31,457	1,543,145	100.5
Mountain View	81,501	4,041,194	101.6
Sunnyvale	157,566	8,126,783	105.7
Estero MID	35,556	1,939,984	111.8
Santa Clara	130,746	7,429,775	116.5
Menlo Park	21,340	1,247,376	119.8
Brisbane/GVMID***	4,862	297,752	125.5
Palo Alto	67,901	4,424,761	133.5
CWS - Bear Gulch	61,175	4,878,606	163.4
Hillsborough	11,766	1,057,159	184.1
Purissima Hills WD	6,245	677,300	222.3
Totals	1,867,284	86,644,278	
		Average gpcpd	95.1
		Median of Agencies	88.1

*Exclusive of recycled water; inclusive of unaccounted for water.

**Service area predominantly commercial/industrial.

***The small residential population base for Birsbane/GVMID artificially inflates the GPCD.

Source: *BAWSCA FY 2023-24 Annual Survey*

Table 7C: Historical BAWUA/BAWSCA Per Capita Data (1975-76 to Present)

Year	Service Area Population*	Water Usage** (mgd)	Gross Per Capita (gpcd)	Residential Per Capita (gpcd)
1975-76	1,162,143	212.5	182.9	114.9
1976-77	1,176,655	160.1	136.0	86.0
1977-78	1,186,121	165.1	139.2	88.1
1978-79	1,192,776	184.7	154.9	96.9
1979-80	1,205,079	196.8	163.3	103.2
1980-81	1,216,827	208.3	171.2	108.1
1981-82	1,229,452	207.2	168.5	105.6
1982-83	1,248,928	209.2	167.5	105.3
1983-84	1,294,730	234.1	180.8	113.9
1984-85	1,310,389	232.2	177.2	111.1
1985-86	1,378,899	247.7	179.6	101.5
1986-87	1,397,010	260.6	186.5	104.3
1987-88	1,420,326	254.3	179.1	100.4
1988-89	1,427,372	218.1	152.8	87.5
1989-90	1,456,522	224.0	153.8	90.3
1990-91	1,470,633	204.4	139.0	81.0
1991-92	1,474,042	196.8	133.5	76.4
1992-93	1,496,205	204.3	136.6	80.4
1993-94	1,516,040	227.2	149.9	88.0
1994-95	1,529,829	221.1	144.5	85.7
1995-96	1,536,586	244.0	158.8	93.5
1996-97	1,556,641	260.2	167.1	98.2
1997-98	1,581,970	241.5	152.7	90.0
1998-99	1,602,708	254.4	158.7	92.5
1999-00	1,620,307	261.5	161.4	95.2
2000-01	1,634,308	261.0	159.7	95.9
2001-02	1,653,618	251.5	152.1	92.2
2002-03	1,645,338	246.3	149.7	90.8
2003-04	1,651,678	259.4	157.1	94.2
2004-05	1,646,804	239.7	145.6	88.4
2005-06	1,656,543	239.4	144.5	88.1
2006-07	1,674,100	250.2	149.4	91.1
2007-08	1,690,931	250.7	148.2	89.3
2008-09	1,705,837	242.0	141.9	84.4
2009-10	1,719,028	223.8	130.2	77.8
2010-11	1,701,756	216.4	127.2	77.4
2011-12	1,709,230	216.8	126.8	77.7
2012-13	1,724,014	219.1	127.1	79.3
2013-14	1,742,697	216.7	124.3	77.3
2014-15	1,773,889	187.5	105.7	64.7
2015-16	1,781,530	168.1	94.3	55.9
2016-17	1,801,539	177.6	98.6	58.6
2017-18	1,825,063	192.0	105.2	62.0
2018-19	1,827,189	187.1	102.3	60.5
2019-20	1,852,911	195.5	105.5	63.4
2020-21	1,842,939	197.7	107.3	65.8
2021-22	1,855,289	185.2	99.8	60.3
2022-23	1,870,589	169.5	90.6	55.1
2023-24	1,867,284	177.6	95.1	57.2

*All BAWUA/BAWSCA agencies reporting, including Stanford.

**Water usage totals include unaccounted for water; exclude recycled water.

Note: Population figures shown above may not always match those figures shown in past annual surveys due to corrected data. Also, to conform with standardized reporting of gross per capita use, recycled water use has been removed from total water usage data starting in FY 1997-98.

Source: *BAWUA/BAWSCA Annual Surveys / Historical Data Files*

8. Current Residential Water Bills

Figure 8A: Single Family Water Bills Based on Average Monthly Use, Using Rates in Effect for FY 2023-24

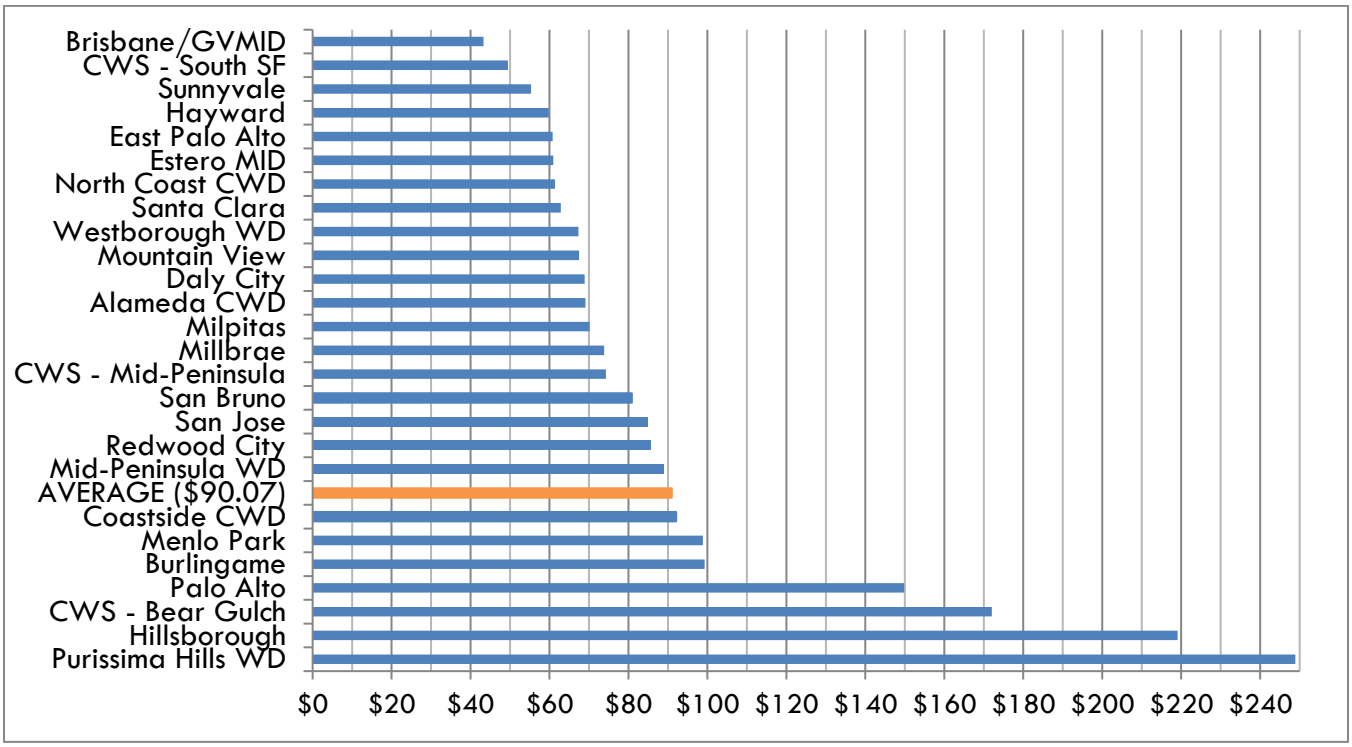


Figure 8B: Historical and Current SF RWS Wholesale Water Rates and BAWSCA Bond Surcharges FY 1985-85 to Present

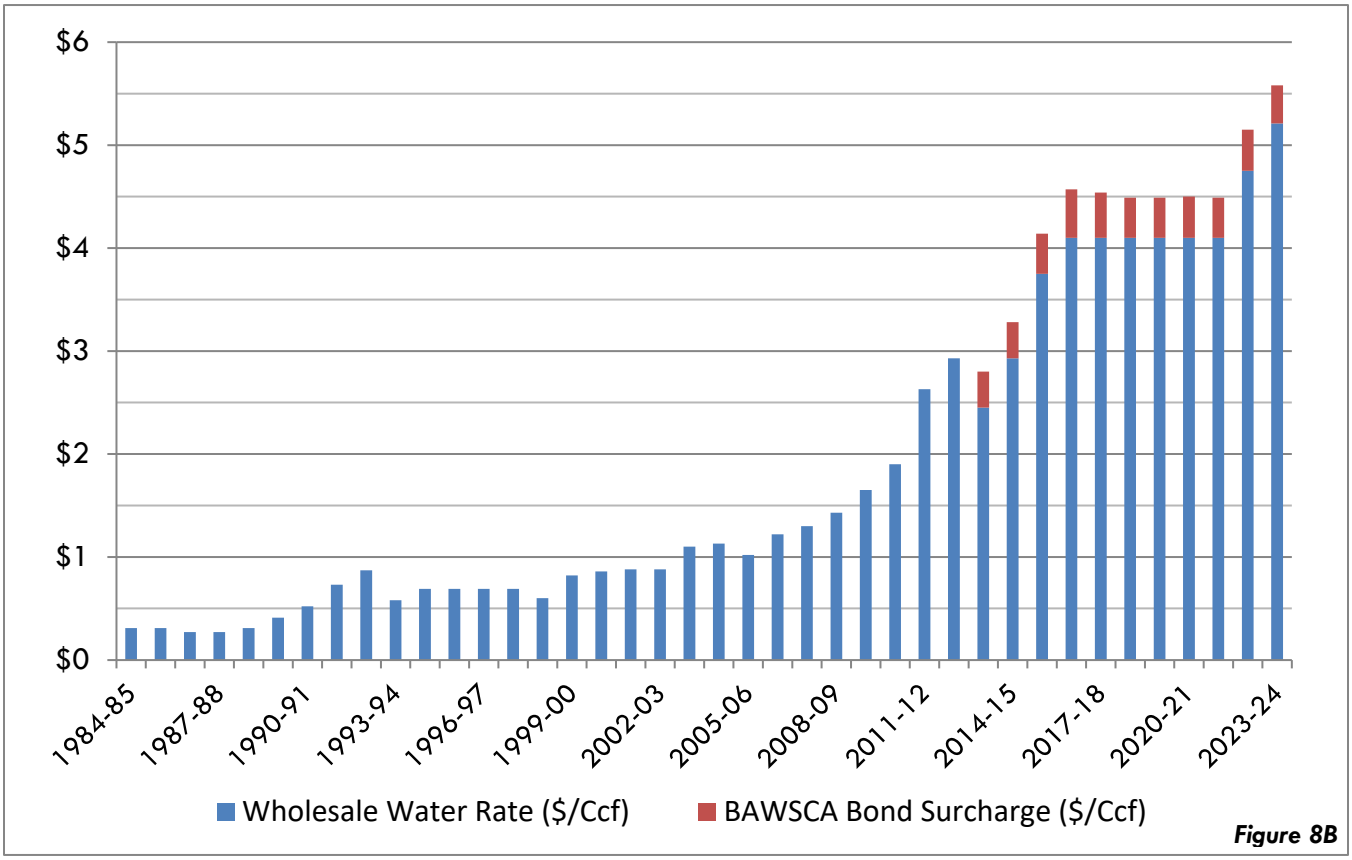


Figure 8B

Table 8A: Single Family Water Bills* Based on Average Monthly Use for 2023-24, Using Rates in Effect for FY 2023-24.
Inclusive of all BAWSCA agencies except Stanford; California Water Service is separated into its three service areas.

Member	Municipalities Average Monthly Use (ccf)	Special Districts Average Monthly Use (ccf)	All Agencies Average Monthly Bill
Brisbane/GVMID	4.2		$43.29
CWS - South SF		5.9	$49.47
Sunnyvale	7.7		$55.32
Hayward	6.1		$59.84
East Palo Alto	12.3		$60.78
Estero MID		7.4	$60.95
North Coast CWD		4.7	$61.41
Santa Clara	7.9		$62.85
Westborough WD		5.0	$67.33
Mountain View	6.2		$67.48
Daly City	5.7		$68.91
Alameda CWD		8.0	$69.11
Milpitas	7.3		$70.17
Millbrae	5.3		$73.84
CWS - Mid-Peninsula		7.8	$74.30
San Bruno	7.6		$80.85
San Jose	5.8		$84.75
Redwood City	7.3		$85.72
Mid-Peninsula WD	6.8		$88.82
Coastside CWD		5.1	$92.08
Menlo Park	8.7		$98.86
Burlingame	7.8		$99.30
Palo Alto	10.0		$149.84
CWS - Bear Gulch		18.5	$172.02
Hillsborough	18.8		$219.11
Purissima Hills WD		24.2	$248.93
	8.0	**9.6**	**$90.97**

* Inclusive of any service charge.

Note: Differences in average monthly bills may reflect local capital improvements or maintenance expenditures, the size of the rate base, the extent to which revenue is generated through connections, and other factors.

Source: *BAWSCA FY 2023-24 Annual Survey*

Table 8B: Single Family Water Bills* Based on Average Monthly Use for FY 2023-24, Using Rates in Effect for FY 2023-24

Inclusive of Service Charge (1 of 3)

Member/ Average Monthly Use (Units)	Billing Cycle	Service Charge	Rate per ccf	Rate Blocks (ccf)			Total Monthly Bill	Remarks	
Alameda CWD	2	$61.30	$4.78				$69.11	Effective:	2024-03-01
8.0									
Brisbane/Guadalupe Valley MID	2	$33.35	$6.30	2	-	20	$43.29	Effective:	2023-06-15
4.2	3/4" meter			0	-	0			
Burlingame	2	$84.03	$7.32	0	-	4000	$99.30	Effective:	2024-01-01
7.8	5/8" and 3/4" meters		$8.21	4001	-	8000			
Rate blocks are per gallon			$9.11	8001	-	16000			
			$10.01	16001	-	24000			
			$10.91	24001	+				
CWS - Bear Gulch	1	$41.08	$2.34	1	-	6	$172.02	Effective:	2024-05-01
18.5	5/8 x 3/4 inch meter		$9.33	7	-	18			
			$11.66	19	+				
CWS - Mid Peninsula	1	$29.09	$3.45	1	-	6	$74.30	Effective:	2024-05-01
7.8	5/8 x 3/4 inch meter		$13.73	7	-	9			
			$17.16	10	+				
CWS - South San Francisco	1	$29.09	$3.45	1	-	6	$49.47	Effective:	2024-05-01
5.9	5/8 x 3/4 inch meter		$13.73	7	-	9			
			$17.16	10	+				
Coastside CWD	1	$35.81	$11.40	1	-	4	$92.08	Effective:	2024-01-18
5.1			$16.66	5	-	8			
			$20.16	9	+				
Daly City	2	$56.59	$7.10	0	-	13	$68.91	Effective:	2023-07-01
5.7	Meter size 5/8" & 3/4"		$9.40	14	26				
			$8.68	27	+				
East Palo Alto	1	$26.63	$7.74	0	-	100000	$60.78	Effective:	2024-01-18
12.3	5/8" Meter								
Estero MID	2	$27.60	$6.36	0	-	20	$60.95	Effective:	2023-07-01
7.4	5/8" Meter		$7.09	20	+				

* Average single family use among BAWSCA agencies varies from 4.2 to 24.2 units per month. 1 unit = 1 ccf. Includes individually metered single family homes, townhouses, and condos. It is calculated by dividing single family water use (Table 4A) by the number of single family accounts (Table 4B); divided by 12.

Table 8B: Single Family Water Bills* Based on Average Monthly Use for FY 2023-24, Using Rates in Effect for FY 2023-24

Inclusive of Service Charge (2 of 3)

Member/ Average Monthly Use (Units)	Billing Cycle	Service Charge	Rate per ccf	Rate Blocks (ccf)			Total Monthly Bill	Remarks	
Hayward	2	$35.45	$6.86	1	-	8	$59.84	Effective:	10/1/2023
6.1		5/8" meter	$8.14	9	-	18			
			$10.00	18	+				
Hillsborough	2	$144.82	$7.82	0	-	20	$219.11	Effective:	2023-06-30
18.8		Up to 3/4" Meter	$10.74	20	-	44			
			$16.40	44	-	70			
Menlo Park	1	$30.41	$5.61	1	-	6	$98.86	Effective:	2023-07-25
8.7		5/8" and 3/4"	$7.52	6	-				
Mid-Peninsula WD	1	$28.00	$6.97	0	-	2	$88.82	Effective:	2023-07-01
6.8		5/8"	$9.80	3	-	8			
			$11.71	9	-	20			
			$13.61	21	+				
Millbrae	2	$28.40	$11.20				$73.84	Effective:	2024-01-18
5.3									
Milpitas	2	$35.87	$7.17				$70.17	Effective:	2023-07-01
7.3		5/8"							
Mountain View	2	$40.40	$7.67	0	-	3	$67.48	Effective:	2024-07-01
6.2		1" Meter	$8.85	3	-	15			
			$13.80	15	+				
North Coast CWD	2	$56.73	$7.02	0	-	5	$61.41	Effective:	2023-07-01
4.7			$10.31	6	-	10			
			$13.76	11	-	19			
			$16.81	20	+				
Palo Alto	1	$21.48	$7.93	0	-	6	$149.84	Effective:	2023-07-01
10.0		5/8" Meter	$11.54	7	+				
Purissima Hills WD	1	$38.23	$7.33	1	-	10	$248.93	Effective:	2024-01-01
24.2		3/4" meter	$9.67	11	-	29			
			$13.50	30	-	58			
			$17.36	59	-	1000			

* Average single family use among BAWSCA agencies varies from 4.2 to 24.2 units per month. 1 unit = 1 ccf. Includes individually metered single family homes, townhouses, and condos. It is calculated by dividing single family water use (Table 4A) by the number of single family accounts (Table 4B); divided by 12.

Table 8B: Single Family Water Bills* Based on Average Monthly Use for FY 2023-24, Using Rates in Effect for FY 2023-24

Inclusive of Service Charge (3 of 3)

Member/ Average Monthly Use (Units)	Billing Cycle	Service Charge	Rate per ccf	Rate Blocks (ccf)			Total Monthly Bill		Remarks
Redwood City	2	$76.72	$6.45	0	-	10	$85.72	Effective:	2024-02-01
7.3			$7.37	11	-	14			
			$9.63	15	-	20			
			$14.57	21	+				
San Bruno	2	$25.58	$9.01	0	-	10	$80.85	Effective:	7/1/2023
7.6	3/4 inch meter size		$10.78	11	-	20			
			$14.33	21	+				
San Jose MWD-N	2	$76.38	$8.07	0	0	0	$84.75	Effective:	2023-07-01
5.8	5/8" and 3/4" meters.		$0.00	0	0				
Santa Clara	1	$21.48	$7.97				$62.85	Effective:	2023-06-06
7.9									0
									0
Sunnyvale	2	$32.44	$5.09	0	-	10	$55.32	Effective:	2023-07-01
7.7		5/8 meter	$5.93	11	-	##			
Westborough WD	2	$44.00	$9.04				$67.33	Effective:	2023-07-01
5.0									

* Average single family use among BAWSCA agencies varies from 4.2 to 24.2 units per month. 1 unit = 1 ccf. Includes individually metered single family homes, townhouses, and condos. It is calculated by dividing single family water use (Table 4A) by the number of single family accounts (Table 4B); divided by 12.

Summary Billing Information

	**Average Monthly Bill	Average Monthly Service Charge
All BAWSCA Agencies	$90.97	$28.39
Municipal Agencies Only	$88.01	$28.57
Special Districts / Private	$95.02	$28.13

** Inclusive of service charge

Source: *BAWSCA FY 2023-24 Annual Survey*

Table 8C: SF RWS Wholesale Water Rates and BAWSCA Bond Surcharges FY 1984-85 to Present

Year	Wholesale Water Rate ($/Ccf)	BAWSCA Bond Surcharge ($/Ccf)
1984-85	$ 0.31	$ -
1985-86	$ 0.31	$ -
1986-87	$ 0.27	$ -
1987-88	$ 0.27	$ -
1988-89	$ 0.31	$ -
1989-90	$ 0.41	$ -
1990-91	$ 0.52	$ -
1991-92	$ 0.73	$ -
1992-93	$ 0.87	$ -
1993-94	$ 0.58	$ -
1994-95	$ 0.69	$ -
1995-96	$ 0.69	$ -
1996-97	$ 0.69	$ -
1997-98	$ 0.69	$ -
1998-99	$ 0.60	$ -
1999-00	$ 0.82	$ -
2000-01	$ 0.86	$ -
2001-02	$ 0.88	$ -
2002-03	$ 0.88	$ -
2003-04	$ 1.10	$ -
2004-05	$ 1.13	$ -
2005-06	$ 1.02	$ -
2006-07	$ 1.22	$ -
2007-08	$ 1.30	$ -
2008-09	$ 1.43	$ -
2009-10	$ 1.65	$ -
2010-11	$ 1.90	$ -
2011-12	$ 2.63	$ -
2012-13	$ 2.93	$ -
2013-14	$ 2.45	$ 0.35
2014-15	$ 2.93	$ 0.35
2015-16	$ 3.75	$ 0.39
2016-17	$ 4.10	$ 0.47
2017-18	$ 4.10	$ 0.44
2018-19	$ 4.10	$ 0.39
2019-20	$ 4.10	$ 0.39
2020-21	$ 4.10	$ 0.40
2021-22	$ 4.10	$ 0.39
2022-23	$ 4.75	$ 0.40
2023-24	$ 5.21	$ 0.37

*In 2013, BAWSCA issued Revenue Bonds (Series 2013A and 2013B) to prepay the remaining capital cost recovery payments that the BAWSCA member agencies owed the the SFPUC as of June 30, 2013. Beginning in FY 2013-14, BAWSCA began collecting a fixed bond surcharge from each member agency, as a separate item on the monthly water bills from the SFPUC, to make debt service payments on the revenue bonds, reimburse bond administration expenses, and, as necessary, replenish a stabilization fund set up to limit the volatility in annual changes in the payments.

9. Agency Profiles

Alameda County Water District

43885 South Grimmer Boulevard
Fremont, California 94538-6348

Phone: (510) 668-4200 Fax: (510) 656-3426
Web: http://www.acwd.org

Service Area

The Alameda County Water District (ACWD) service area includes the cities of Fremont, Newark, Union City, and southern portions of the City of Hayward. Currently, ACWD provides retail water service predominantly within the Cities of Fremont, Newark, and Union City, and a small number of parcels outside of ACWD's service area through agreements.

Profile

Area Size	104.8 sq. miles
Service Population	344,000
Number of Accounts	86,519
Number of SF RWS Connections	8
Connections to SF RWS Mains	BDPL 1, 2, 3, 4 and 5
Avg. Day Demand (mgd)	34.24
Avg. Day Purchases from SF RWS (mgd)	10.23
% Demand Met with SF RWS Supplies	29.78%
Maximum Local Water Production (mgd)	86.5 mgd (Source: ACWD Engineering Report 2011, and includes WTP2, Blending Facility, Desal, and Direct Takeoffs from SFPUC)
Alternative Supply Sources	SF RWS, State Water Project (SWP), Local Groundwater
Interties with Other Agencies	Milpitas, Hayward
Local Storage (mg)	85.0 maximum capacity – volume in storage is typically 60 to 80% based on seasonal operating conditions
Days of Storage	1.7 – based on maximum capacity storage and average daily demand

Summary

ACWD currently has three primary sources of water supply: (1) the State Water Project (SWP), (2) San Francisco's Regional Water System and (3) local supplies. The SWP and San Francisco Regional Water Supplies are imported into the District service area through the South Bay Aqueduct and Hetch-Hetchy Aqueduct, respectively. Local supplies include fresh groundwater from the Niles Cone Groundwater Basin (underlying the District service area), desalinated brackish groundwater from portions of the groundwater basin previously impacted by seawater intrusion, and surface water from the Del Valle Reservoir. The primary source of recharge for the Niles Cone Groundwater Basin is from percolation of runoff from the Alameda Creek watershed. To a lesser degree, a portion of ACWD's SWP supplies are also used for local groundwater percolation. Infiltration of rainfall and applied water also contribute to local groundwater recharge.

Before being supplied to ACWD's customers, the source water supplies are treated to meet and surpass all state and federal drinking water standards. ACWD is currently operating one surface

water treatment plant that can treat SWP imports and local surface water from Del Valle Reservoir. The Newark Desalination Facility treats brackish groundwater to remove salts and other impurities, and the Blending Facility blends high quality San Francisco water with local fresh groundwater (with higher hardness) to provide a blended supply with lower overall hardness.

Over the FY 10/11 - 19/20 period, 37% of the District's distribution system water supply was from the State Water Project. This water was either purified at one of ACWD's two water treatment plants or used to recharge local aquifers. Water from the San Francisco Regional System provided approximately 21% of the distribution system water supply and local supplies from Del Valle Reservoir and groundwater (recharged from runoff from the Alameda Creek Watershed and infiltration of rainfall and applied water) accounted for the balance (about 42%) of the distribution system supplies.

Water Supply and Demand

Supply by Source	Actual FY 20-21 (ccf)	Actual FY 21-22 (ccf)	Actual FY 22-23 (ccf)	Actual FY 23-24 (ccf)
San Francisco Water	4,585,161	4,625,134	4,738,636	4,989,706
State Water Project	7,336,376	5,412,329	3,147,646	3,990,532
Desalinated Water	3,733,289	3,208,556	2,976,738	2,436,631
Local Groundwater	3,583,690	3,444,116	2,685,294	2,203,744
Surface Water	231,304	1,216,196	2,538,677	3,136,756
Recycled Water	0	0	0	0
Total	19,469,820	17,906,331	16,086,991	16,757,369
mgd equivalent	39.90	36.70	32.97	34.34

Demand by Sector				
Residential	11,654,792	10,732,633	9,872,128	10,256,252
Commercial/Industrial	3,055,890	3,166,669	2,985,929	3,022,191
Other	501,310	626,996	476,954	538,070
Dedicated Irrigation	2,478,129	2,037,116	1,499,927	1,822,692
Non-Revenue Water	1,779,699	1,342,917	1,252,052	1,118,164
Total	19,469,820	17,906,331	16,086,991	16,757,369
mgd equivalent	39.90	36.70	32.97	34.34

Per Capita Use	Actual FY 20-21 (gpcpd)	Actual FY 21-22 (gpcpd)	Actual FY 22-23 (gpcpd)	Actual FY 23-24 (gpcpd)
Residential	67	64	59	61
Gross	111	106	96	100

Storage Reservoirs

Designation	Capacity (gallons)	Designation	Capacity (gallons)
Alameda	16,250,000	Mayhew	4,300,000
Appian	780,000	Middlefield	7,230,000
Avalon	2,700,000	Ohlone	1,500,000
Canyon Heights	510,000	Patterson	14,210,000
Decoto	14,550,000	Vineyard Heights	540,000
Hidden Valley	2,000,000	Whitfield	20,400,000
		Total	84,970,000

ACWD Engineering Report, 2011.

Water Treatment Facilities

Designation	Capacity (mgd)	Status	Designation	Capacity (mgd)	Status
WTP #2	22	Active	Mission San Jose WTP	3.2	Inactive
Blending Facility	48	Active	Newark Desalination Facility	12.5	Active
	70		**Total**	85.7	

Wells

Name	Capacity (mgd)	Status	Name	Capacity (mgd)	Status
Mowry 1	1.4	Active	PT 1	3.4	Active
Mowry 2	3.2	Active	PT 2	3.4	Active
Mowry 3	3.2	Active	PT 3	3.4	Active
Mowry 4	3.0	Active	PT 4	3.4	Active
Mowry 6	3.3	Active	PT 5	3.4	Active
Mowry 7	3.3	Active	PT 6	3.4	Active
Mowry 8	3.0	Active	PT 7	3.4	Active
Mowry 9	3.3	Active	PT 8	3.4	Active
			Total	50.9	

Interties

Name	No.	Diameter* (in.)
Hayward	1	12
Hayward	2	**
Milpitas	1	8
Milpitas	2	8

*Diameter of main connected

**3.6 mgd connection to Hayward's SF RWS Line

City of Brisbane / Guadalupe Valley Municipal Improvement District

50 Park Place
Brisbane, CA 94005

Phone: (415) 508-2130 Fax: (415) 467-5547
Web: http://www.brisbaneca.org

Service Area

The City of Brisbane, located in north San Mateo County, operates both the City of Brisbane Water District and the Guadalupe Valley Municipal Improvement District (GVMID), an area within the Brisbane city limits composed of an industrial park development and a small residential enclave.

System

Profile

Area Size	3.4 square miles
Service Population*	4,862
Number of Accounts	2,070
Number of SF RWS Connections	5
Connections to SF RWS Mains	Crystal Springs Pipeline #1 and #2
Avg. Day Demand (mgd)	0.61
Avg. Day Purchases from SF RWS (mgd)	0.61
% Demand Met with SF RWS Supplies	100%
Maximum Local Water Production (mgd)	0
Alternative Supply Sources	None
Interties with Other Agencies	CWS – South San Francisco, Daly City
Local Storage (mg)	2.9
Days of Storage	3 - Combined storage. All zones can meet the 8 hr criteria either separately or by pumping from zones with excess capacity.

*Service population is based on the 2020 U.S. Census data for the City of Brisbane and annual estimated growth based on "Persons per Residential Connection" population method. *

Summary

The City of Brisbane's only source of potable water is supplied through 3 turnouts off the Crystal Springs #1 and #2 Pipelines. The Brisbane distribution system is comprised of 4 pressure zones and is operated as a combined system with GVMID Water District.

The GVMID's only source of potable water is supplied through 2 turnouts off the Crystal Springs #1 and #2 Pipelines. The GVMID distribution system is comprised of 4 pressure zones and is operated as a combined system with the City of Brisbane Water District.

Water Supply and Demand

Supply by Source	Actual FY 20-21 (ccf)	Actual FY 21-22 (ccf)	Actual FY 22-23 (ccf)	Actual FY 23-24 (ccf)
San Francisco Water	303,604	298,906	258,323	297,752
Recycled Water	0	0	0	0
Other	0	0	0	0
Total	303,604	298,906	258,323	297,752
mgd equivalent	0.62	0.61	0.53	0.61

Demand by Sector				
Residential	108,582	96,463	93,884	94,977
Commercial/Industrial	74,204	84,474	107,234	112,183
Other	27,929	10,285	6,599	14,897
Dedicated Irrigation	80,437	71,269	37,145	48,660
Non-Revenue Water	12,452	36,415	13,461	27,035
Total	303,604	298,906	258,323	297,752
mgd equivalent	0.62	0.61	0.53	0.61

Per Capita Use	Actual FY 20-21 (gpcpd)	Actual FY 21-22 (ccf)	Actual FY 22-23 (ccf)	Actual FY 23-24 (ccf)
Residential	48	41	40	40
Gross	134	126	109	126

Note: Beginning in FY 2009-10, Brisbane and GVMID source, demand, and per capita use data is reported together as a combined Brisbane/GVMID District.

Facilities and Distribution

Storage Reservoirs

Designation	Type	Capacity (gallons)
Glen Park Tank 1 (Brisbane)	Steel	200,000
Glen Park Tank 2 (Brisbane)	Steel	200,000
Guadalupe Tank (GVMID)	Steel	1,000,000
Crocker Tank (GVMID)	Prestressed Concrete	1,000,000
Margaret Tank (Brisbane)	Steel	500,000
Total		2,900,000

Interties

Name	No.	Diameter (in.)
CWS - South San Francisco	1	16
Daly City	2	6, 12

City of Burlingame

501 Primrose Road
Burlingame, California 94010-3997

Phone: (650) 558-7230 Fax (650) 685-9310
Web: http://www.burlingame.org/

Service Area

The City of Burlingame is located in central San Mateo County. Burlingame's water system serves the entire area within its city limits, portions of the unincorporated Burlingame Hills area, and a few properties in San Mateo and Hillsborough.

System

Profile

Area Size	5.5 square miles
Service Population	31,457
Number of Accounts	9,218
Number of SF RWS Connections	6
Connections to SF RWS Mains	Crystal Springs #2 and #3, Sunset Pipeline
Avg. Day Demand (mgd)	3.16
Avg. Day Purchases from SF RWS (mgd)	3.16
% Demand Met with SF RWS Supplies	100%
Maximum Local Water Production (mgd)	0
Alternative Supply Sources	None
Interties with Other Agencies	CWS – Mid-Peninsula (San Mateo), Town of Hillsborough, City of Millbrae
Local Storage (mg)	2.941
Days of Storage	1.2 days in six out of eight zones on maximum day, the remaining two zones have 0.2 days.

Summary

The City of Burlingame receives all of its water supply from six SF RWS turnouts located along El Camino Real. Water is pumped from the turnouts to five storage tanks and to two reservoirs located at higher elevations in the City's distribution system.

Burlingame's water system is divided into two sections. Water for the hills area is supplied by water pumped into tanks and reservoirs; and water for the lower elevation area is supplied directly from the SF RWS turnouts.

For emergency water supply, Burlingame has connections to California Water Service Company, which serves the City of San Mateo, and connections to the Town of Hillsborough and the City of Millbrae water systems.

Water Supply and Demand

Supply by Source	Actual FY 20-21 (ccf)	Actual FY 21-22 (ccf)	Actual FY 22-23 (ccf)	Actual FY 23-24 (ccf)
San Francisco Water	1,604,743	1,640,372	1,444,244	1,543,145
Recycled Water	48,797	47,254	0	0
Other	0	0	0	0
Total	1,653,540	1,687,626	1,444,244	1,543,145
mgd equivalent	3.39	3.46	2.96	3.16

Demand by Sector				
Residential	1,080,357	965,593	884,658	927,182
Commercial/Industrial	303,111	374,818	349,921	362,528
Other	26,508	56,562	49,217	83,711
Dedicated Irrigation	112,609	60,482	84,272	70,169
Non-Revenue Water	130,955	230,172	76,177	99,556
Total	1,653,540	1,687,626	1,444,244	1,543,145
mgd equivalent	3.39	3.46	2.96	3.16

Per Capita Use	Actual FY 20-21 (gpcpd)	Actual FY 21-22 (gpcpd)	Actual FY 22-23 (gpcpd)	Actual FY 23-24 (gpcpd)
Residential	68	61	58	60
Gross	101	104	95	101

Facilities and Distribution

Storage Reservoirs

Designation	Type	Capacity (gallons)
Alcazar Tanks	Dual, Circular, Steel	100,000
Donnelly Tanks	Dual, Circular, Steel	100,000

Designation	Type	Capacity (gallons)
Hillside Reservoir	Rectangular, Concrete	1,500,000
Mills Tank	Circular, Prestressed Concrete	1,071,000
Skyview Reservoir	Rectangular, Concrete	170,000
	Total	2,941,000

Interties

Name	No.	Diameter (in.)
CWS – City of San Mateo	2	6
	1	8
Hillsborough	4	6

Name	No.	Diameter (in.)
Millbrae	2	6
	3	8
	1	10
	2	12

California Water Service - Bear Gulch District

3525 Alameda De Las Pulgas
Menlo Park, California 94025

Phone: (650) 561-9709 Fax (650) 561-9723
Web: http://www.calwater.com

Service Area

The Bear Gulch District is located in southern San Mateo County, and serves the communities of Atherton, Portola Valley, Woodside, parts of Menlo Park, parts of unincorporated Redwood City, and adjacent unincorporated portions of San Mateo County including: West Menlo Park, Ladera, North Fair Oaks, and Menlo Oaks.

Cal Water acquired the Los Trancos County Water District in 2005 and acquired both Skyline County Water District and Woodside Mutual Water Company in 2009, incorporating them into the Bear Gulch District. These systems serve rural communities along Highway 35 between Page Mill Road and Highway 92.

In May 2024, Cal Water acquired the Kings Mountain Park Mutual Water Company (KMPWCO), a rural residential water company located in Woodside, California. This acquisition marked a significant transition for the community, which had been purchasing water from Cal Water for several years prior. Similarly, the Skylonda Mutual Water Company, a non-profit shareholder-owned water company serving 157 homes, became part of Cal Water's system in August 2023.

System

Note: Skyline system totals are included in the Profile and Summary numbers. Skyline's portion of the total is shown in parentheses.

Profile

Area Size	45.3 square miles
Service Population	61,431
Number of Accounts	18,729
Number of SF RWS Connections	8
Connections to SF RWS Mains	BDPL 1 and 2, BDPL 3 and 4, Palo Alto Pipeline, (Bay Crossing 1 and 2)
Avg. Day Demand (mgd)	10.00
Avg. Day Purchases from SF RWS (mgd)	10.00
% Demand Met with SF RWS Supplies	100%
Maximum Local Water Production (mgd)	6.028 (BG Reservoir is offline due to seismic upgrades)
Alternative Supply Sources	Local Surface Water, Local Groundwater- (Skyline system only - inactive)
Interties with Other Agencies	Redwood City, Menlo Park
Local Storage (mg)	11.6 Treated, 215 Untreated
Days of Storage	0.92 – Length of storage based on loss of all sources of supply. All zones can meet the 8 hr criteria either separately or by pumping from zones with excess capacity. Could increase use of

	Bear Gulch reservoir in an emergency to meet partial demand.

Summary

The Bear Gulch District receives 85% to 95% of its daily supply from the SF RWS, with the balance supplied by surface water runoff from California Water Service Company's own watershed. The water is stored in the 215 million gallon Bear Gulch Reservoir and treated at the 6 mgd Station 2 Filter Plant before distribution.

The distribution systems consist of 57 pressure zones, 77 booster pumps, 37 storage tanks and reservoirs, 2,487 hydrants, and 345 miles of main. District water tanks provide storage for slightly more than 11 mg of potable water.

Water Supply and Demand

Supply by Source	Actual FY 20-21 (ccf)	Actual FY 21-22 (ccf)	Actual FY 22-23 (ccf)	Actual FY 23-24 (ccf)
San Francisco Water	5,836,065	5,114,178	4,618,546	4,878,606
Local Groundwater	0	0	0	0
Surface Water	0	113,504	0	0
Recycled Water	0	0	0	0
Other	0	0	0	0
Total	5,836,065	5,227,682	4,618,546	4,878,606
mgd equivalent	11.96	10.71	9.46	10.00

Demand by Sector				
Residential	4,874,275	4,411,197	3,767,269	3,936,408
Commercial/Industrial	454,253	477,764	435,577	461,584
Other	142,077	144,171	129,827	125,604
Dedicated Irrigation	11,195	13,694	10,482	12,628
Non-Revenue Water	354,265	180,856	275,391	342,922
Total	5,836,065	5,227,682	4,618,546	4,878,606
mgd equivalent	11.96	10.71	9.46	10.00

Per Capita Use	Actual FY 20-21 (gpcpd)	Actual FY 21-22 (gpcpd)	Actual FY 22-23 (gpcpd)	Actual FY 23-24 (gpcpd)
Residential	164	148	127	132
Gross	197	176	155	163

Facilities and Distribution

Storage Reservoirs

Designation	Type	Capacity (gallons)
Bear Gulch Reservoir*	Earth	215,000,000
Sta. 002-Tank 1	Steel	250,000
Sta. 002-Tank 2	Steel	500,000
Sta. 005-Tank 6	Fiberglass-Lined Redwood	100,000 (inactive)
Sta. 005-Tank 8	Steel	250,000
Sta. 005-Tank 9	Steel	1,000,000
Sta. 006-Tank 1	Steel	200,000
Sta. 007-Tank 5	Fiberglass-Lined Redwood	100,000
Sta. 016-Tank 2	Steel	1,000,000
Sta. 017-Tank 1	Steel	250,000
Sta. 019-Tank 1	Steel	500,000
Sta. 019-Tank 2	Steel	500,000
Sta. 021-Tank 1	Steel	1,000,000
Sta. 021-Tank 2	Steel	1,000,000
Sta. 022-Tank 1	Steel	450,000
Sta. 023-Tank 1	Steel	30,000
Sta. 025-Tank 1	Steel	100,000
Sta. 026-Tank 1	Steel	10,0000
Sta. 027-Tank 4	Steel	750,000
Sta. 028-Tank 1	Steel	200,000
Sta. 029-Tank 1	Fiberglass-Lined Redwood	100,000
Sta. 029-Tank 2	Fiberglass-Lined Redwood	100,000
Sta. 029-Tank 3	Steel	150,000
Sta. 030-Tank 1	Steel	1,000,000
Sta. 031-Tank 2	Steel	165,000
Sta. 032-Tank 1	Steel	250,000
Sta. 033-Tank 1	Steel	10,000
Sta. 034-Tank 1	Steel	75,000
Sta. 036-Tank 1	Steel	125,000
Sta. 037-Tank 1	Steel	55,000
Sta. 038-Tank 1	Steel	212,000
Sta. 039-Tank 1	Steel	282,000
Sta. 041-Tank 1	Steel	189,000
Sta. 041-Tank 2	Steel	192,000
Sta. 042-Tank 1	Steel	250,000
Sta. 046-Tank 3	Steel	60,000
Sta. 042-Tank 2	Steel	60,000
Sta. 046-Tank4	Steel	60,000
Sta. 047-Tank 1	Steel	80,376
Sta. 047-Tank 2	Steel	80,376
Sta. 052-Tank 1	Plastic	5,000
Sta. 052-Tank 2	Plastic	5,000
Sta. 053-Tank 1	Plastic	37,500
Sta. 053-Tank 2	Plastic	37,500
Sta. 055-Tank 1	Fiberglass-Lined Redwood	61,500
Sta. 055-Tank 2	Fiberglass-Lined Redwood	61,500
Total		226,633,752

* Reservoir storage capacity has been reduced by 6 feet in compliance with DSOD requirements.

Surface Water Treatment Facilities

Designation	Capacity (mgd)
Station 2 Filter Plant	6

Interties

Name	No.	Diameter (in.)
Redwood City	2	6
Menlo Park	3	6

California Water Service - Mid-Peninsula District

341 North Delaware Street
San Mateo, California 94401-1727

Phone: (650) 558-7800 Fax: (650) 342-6865
Web: http://www.calwater.com

Service Area

California Water Service's Mid-Peninsula District is located in central San Mateo County and serves the communities of San Carlos, San Mateo, parts of unincorporated Redwood City, and adjacent unincorporated portions of San Mateo County, including The Highlands and Palomar Park.

System

Profile

Area Size	17 square miles
Service Population	137,693
Number of Accounts	35,930
Number of SF RWS Connections	8
Connections to SF RWS Mains	Bay Crossing 1and 2, BDPL 1 and 2, Crystal Springs #2, Sunset Pipeline
Avg. Day Demand (mgd)	11.82
Avg. Day Purchases from SF RWS (mgd)	11.82
% Demand Met with SF RWS Supplies	100%
Maximum Local Water Production (mgd)	0
Alternative Supply Sources	None
Interties with Other Agencies	Mid-Peninsula WD, Redwood City, Belmont, Burlingame, Hillsborough, and Estero MID
Local Storage (mg)	19.9
Days of Storage	1.44 - All zones can meet the 8 hr criteria either separately or by pumping from zones with excess capacity.

Summary

The Mid-Peninsula District receives all of its water from the SF RWS. Water is delivered to the San Carlos area via 3 SF RWS turnouts located off BDPL 1 and 2. San Mateo is supplied from 5 turnouts located off the Crystal Springs Pipeline #2 and Sunset Supply Lines. The distribution system includes 22 pressure zones in San Carlos, 18 in San Mateo, 62 booster pumps, 38 storage tanks, 2,832 hydrants, and 363 miles of main.

Water Supply and Demand

Supply by Source	Actual FY 20-21 (ccf)	Actual FY 21-22 (ccf)	Actual FY 22-23 (ccf)	Actual FY 23-24 (ccf)
San Francisco Water	6,336,593	6,074,256	5,525,097	5,766,969
Local Groundwater	0	0	0	0
Surface Water	0	0	0	0
Recycled Water	0	0	0	0
Other	0	0	0	0
Total	6,336,593	6,074,256	5,525,097	5,766,969
mgd equivalent	12.99	12.45	11.32	11.82

Demand by Sector				
Residential	4,490,547	4,075,560	3,684,229	3,799,873
Commercial/Industrial	1,063,339	1,057,248	1,015,289	1,066,171
Other	345,231	337,275	334,645	351,992
Non-Revenue Water	237,164	604,173	490,940	548,933
Total	6,336,593	6,074,256	5,525,097	5,766,969
mgd equivalent	12.99	12.45	11.32	11.82

Per Capita Use	Actual FY 20-21 (gpcpd)	Actual FY 21-22 (gpcpd)	Actual FY 22-23 (gpcpd)	Actual FY 23-24 (gpcpd)
Residential	67	61	55	57
Gross	94	91	82	86

Facilities and Distribution

Storage Reservoirs

Designation	Type	Capacity (gallons)	Designation	Type	Capacity (gallons)
San Mateo			San Mateo		
Sta. 006-Tank 1	Brick	1,525,000	Sta. 025-Tank 2	Steel	250,000
Sta. 006-Tank2	Brick	1,525,000	Sta. 025-Tank 3	Steel	250,000
Sta. 017-Tank 1	Steel	500,000	Sta. 027-Tank 1	Steel	2,500,000
Sta. 017-Tank 2	Steel	500,000	Sta. 027-Tank 2	Steel	2,500,000
Sta. 017-Tank 3	Steel	500,000	Sta. 027-Tank 3	Conrete	3,860,000
Sta. 023-Tank 1	Steel	1,000,000	Sta. 029-Tank 1	Steel	1,000,000
Sta. 024-Tank 1	Steel	500,000	Sta. 030-Tank 1	Steel	500,000
Sta. 024-Tank 2	Steel	500,000	Sta. 031-Tank 1	Steel	220,000
Sta. 025-Tank 1	Fiberglass-Lined Redwood	100,000	Sta. 032-Tank 1	Steel	250,000

Designation	Type	Capacity (gallons)
Sta. 032-Tank 2	Steel	500,000
Sta. 033-Tank 1	Steel	300,000

Designation	Type	Capacity (gallons)
Sta. 033-Tank 2	Steel	500,000

San Mateo Total 19,280,000

Storage Reservoirs

Designation	Type	Capacity (gallons)
San Carlos		
Sta. 106-Tank 2	Steel	250,000
Sta. 106-Tank 3	Steel	500,000
Sta. 109-Tank 2	Steel	250,000
Sta. 112-Tank 1	Steel	200,000
Sta. 112-Tank 2	Steel	500,000
Sta. 112-Tank 3	Steel	700,000
Sta. 115-Tank 1	Steel	250,000
Sta. 116-Tank 2	Fiberglass-Lined Redwood	100,000
Sta. 116-Tank 3	Fiberglass-Lined Redwood	100,000

Designation	Type	Capacity (gallons)
San Carlos		
Sta. 118-Tank 1	Steel	200,000
Sta. 118-Tank 2	Steel	750,000
Sta. 119-Tank 1	Steel	400,000
Sta. 120-Tank 1	Steel	500,000
Sta. 120-Tank 2	Concrete	400,000
Sta. 122-Tank 3	Steel	20,000
Sta. 123-Tank 3	Steel	250,000
Sta. 123-Tank 4	Steel	425,000

San Carlos Total 6,490,000

San Mateo and San Carlos Total 25,770,000

Interties

Name	No.	Diameter (in.)
San Carlos		
Redwood City	3	8, 8, 12
Mid-Peninsula WD	3	8, 8, 8
Burlingame	3	4, 4, 6
Hillsborough WD	2	6, 6, 6

Name	No.	Diameter (in.)
Mid-Peninsula WD	2	6, 6, 6
Estero MID	1	12

California Water Service - South San Francisco District

341 North Delaware Street
San Mateo, California 94401-1727

Phone: (650) 588-7800 Fax: (650) 588-1341
Web: http://www.calwater.com

Service Area

The South San Francisco District, located in north San Mateo County, serves South San Francisco, Colma, a small portion of Daly City, and Broadmoor, an unincorporated area located between Colma and Daly City.

System

Profile

Area Size	11.2 square miles
Service Population	64,146
Number of Accounts	16,463
Number of SF RWS Connections	11
Connections to SF RWS Mains	Crystal Springs #2, San Andreas 1, 2, and 3, Sunset Pipeline
Avg. Day Demand (mgd)	5.65
Avg. Day Purchases from SF RWS (mgd)	5.50
% Demand Met with SF RWS Supplies	97.65%
Maximum Local Water Production (mgd)	1.37
Alternative Supply Sources	Ground Water Wells
Interties with Other Agencies	Brisbane, San Bruno, Daly City, San Francisco
Local Storage (mg)	8.125
Days of Storage	1.08 - Length of storage based on loss of all sources of supply. All zones can meet the 8 hr criteria either separately or by pumping from zones with excess capacity. Could increase well output in an emergency to meet partial demand.

Summary

The South San Francisco District normally receives over 80% of its water from the SF RWS from 11 turnouts off the San Andreas and Crystal Spring pipelines, with the remaining water pumped from 8 local district wells. Currently, Cal Water's wells are offline due to participation in the SFPUC in lieu program. Approximately 20% of the demand can be met by groundwater pumping when SFPUC RWS surface supply is limited. The distribution system includes 15 pressure zones, 8 wells, 25 booster pumps, 14 storage reservoirs, 1,436 hydrants, and 160 miles of main.

Water Supply and Demand

Supply by Source	Actual FY 20-21 (ccf)	Actual FY 21-22 (ccf)	Actual FY 22-23 (ccf)	Actual FY 23-24 (ccf)
SF RWS - Customary	2,222,223	2,868,442	2,768,049	2,085,311
SF RWS - Supplemental	668,470	0	0	597,632
Local Groundwater	0	0	0	73,173
Surface Water	0	0	0	0
Recycled Water	0	0	0	0
Other	0	0	0	0
Total	2,890,693	2,868,442	2,768,049	2,756,116
mgd equivalent	*5.92*	*5.88*	*5.67*	*5.65*

Demand by Sector				
Residential	1,107,523	1,214,617	1,153,900	1,184,555
Commercial/Industrial	1,401,125	1,522,188	1,412,002	1,405,743
Other	144,881	120,794	108,126	107,900
Non-Revenue Water	237,164	10,843	94,021	57,918
Total	2,890,693	2,868,442	2,768,049	2,756,116
mgd equivalent	*5.92*	*5.88*	*5.67*	*5.65*

Per Capita Use	Actual FY 20-21 (gpcpd)	Actual FY 21-22 (gpcpd)	Actual FY 22-23 (gpcpd)	Actual FY 23-24 (gpcpd)
Residential	36	39	37	38
Gross	94	92	89	88

Facilities and Distribution

Storage Reservoirs

Designation	Type	Capacity (gallons)	Designation	Type	Capacity (gallons)
Sta. 001-Tank 1	Steel	500,000	Sta. 012-Tank 1	Steel	500,000
Sta. 004-Tank 3	Steel	250,000	Sta. 013-Tank 1	Steel	500,000
Sta. 004-Tank 4	Steel	250,000	Sta. 014-Tank 1	Steel	1,000,000
Sta. 005-Tank 1	Concrete	1,500,000	Sta. 015-Tank 1	Steel	1,000,000
Sta. 008-Tank 1	Concrete	1,500,000	Sta. 101-Tank 1	Steel	250,000
Sta. 011-Tank 1	Steel	250,000			
			Total		8,000,000

Wells

Name	Capacity (gpm)	Status*
Well 02	60	Inactive
Well 14	90	Destroyed
Well 15	95	Destroyed
Well 17	200	Destroyed
Well 18	340	Inactive
Well 19	160	Active
Well 20	150	Active
Well 21	220	Active
Well 22	295	Active
Well 23	300	Active
Well 24	380	Active
Total	1,505	(Active wells only)

Interties

Name	No.	Diameter (in.)
Brisbane	1	16
San Bruno	1	6
Daly City	5	2, 4, 4, 8, 10

Coastside County Water District

766 Main Street
Half Moon Bay, California 94019-1995

Phone: (650) 726-4405 Fax: (650) 726-5245
Web: http://www.coastsidewater.org

Service Area

Coastside County Water District provides water to the City of Half Moon Bay and several unincorporated coastal communities in San Mateo County, including San Mateo Road, Moonridge, El Granada, Miramar, Pillar Point Harbor and Princeton.

System

Profile

Area Size	14 square miles
Service Population	18,940
Number of Accounts	7,719
Number of SF RWS Connections	2
Connections to SF RWS Mains	Upper Crystal Springs Reservoir Intake and Pilarcitos Reservoir at Stone Dam
Avg. Day Demand (mgd)	1.42
Avg. Day Purchases from SF RWS (mgd)	0.87
% Demand Met with SF RWS Supplies	60.93%
Avg. Local Water Production (mgd)	0.5
Alternative Supply Sources	During a drought, local production is extremely low due to dependency on surface stream flows and a small watershed.
Interties with Other Agencies	None
Local Storage (mg)	8.0
Days of Storage	Approximately 3 days

Summary

Coastside County Water District has four water sources; (1) Pilarcitos Reservoir at Stone Dam, (2) Upper Crystal Springs Reservoir, (3) the Pilarcitos Creek Infiltration Well Field, and (4) the Denniston (groundwater and surface water) Project. Water purchased from the SF RWS is supplied from two different raw water sources: Pilarcitos Reservoir at Stone Dam and Upper Crystal Springs Reservoir.

Raw water from Upper Crystal Springs Reservoir, Pilarcitos Reservoir at Stone Dam and the Pilarcitos Creek Infiltration Wells terminate at the Nunes Water Treatment Plant. Raw water from Denniston Creek and the Denniston Well Field terminate at the Denniston Water Treatment Plant.

Water Supply and Demand

Supply by Source	Actual FY 20-21 (ccf)	Actual FY 21-22 (ccf)	Actual FY 22-23 (ccf)	Actual FY 23-24 (ccf)
San Francisco Water	705,680	468,075	349,993	422,524
Local Groundwater	12,099	12,340	9,118	8,235
Surface Water	168,436	291,430	288,883	262,722
Recycled Water	0	0	0	0
Total	886,215	771,845	644,994	693,481
mgd equivalent	1.82	1.58	1.32	1.42

Demand by Sector				
Residential	499,242	428,202	391,972	397,753
Commercial/Industrial	41,741	40,365	114,555	118,882
Other	163,455	184,481	47,234	39,061
Dedicated Irrigation	144,202	100,379	70,519	72,548
Non-Revenue Water	37,575	18,418	20,714	65,236
Total	886,215	771,845	644,994	693,481
mgd equivalent	1.82	1.58	1.32	1.42

Per Capita Use	Actual FY 19-20 (gpcpd)	Actual FY 20-21 (gpcpd)	Actual FY 21-22 (gpcpd)	Actual FY 23-24 (gpcpd)
Residential	53	54	47	43
Gross	97	97	84	75

Facilities and Distribution

Treated Water Storage Reservoirs

Designation	Type	Capacity (mg)
Denniston	Steel	1.50
El Granada 1	Steel	0.20
El Granada 2	Steel	0.15
El Granada 3	Steel	0.25
Miramar	Steel	1.00
Carter Hill	Steel	0.40
Carter Hill	Steel	0.60
Carter Hill	Steel	1.50
Miramontes	Steel	0.40
Alves	Steel	2.00
Total		8.00

Surface Water Treatment Facilities

Designation	Capacity (mgd)
Nunes WTP	4.5
Denniston WTP	1.0
Total	5.5

Wells

Name	Capacity (gpm)	Status
D1	25	Active
D2		Inactive
D3		Inactive
D4		Inactive
D5		Inactive
D9	45	Active
P1*	85	November 1 - March 31
P2*		Inactive
P3*	70	Active
P3A*	40	Active
P4*	80	November 1 - March 31 Standby
P4A*	240	November 1 - March 31
P5*	50	November 1 - March 31
Total	635	

*Surface water infiltration wells

City of Daly City

Department of Water and Wastewater Resources
153 Lake Merced Boulevard
Daly City, California 94015-1097

Phone: (650) 991-8200 Fax: (650) 991-8220

Website: http://www.dalycity.org/

Service Area

The City of Daly City Department of Water and Wastewater serves the City of Daly City and some unincorporated portions of San Mateo County.

System

Profile

Area Size	7.4 square miles
Service Population	98,000
Number of Accounts	22,975
Number of SF RWS Connections	11
Connections to SF RWS Mains	Crystal Springs #1 and #2, San Andreas #2, and the Sunset Pipeline
Avg. Day Demand (mgd)	5.24
Avg. Day Purchases from SF RWS (mgd)	3.13
% Demand Met with SF RWS Supplies	59.72%
Maximum Local Water Production (mgd)	3.43
Alternative Supply Sources	Local Groundwater, Recycled Water
Interties with Other Agencies	GVMID, Brisbane, CWS – South San Francisco, North Coast CWD, and Westborough CWD
Local Storage (mg)	24.58
Days of Storage	3.37 – Length of storage based on loss of all sources of supply. Can meet the 8 hr criteria either separately or by pumping from zones with excess capacity. Well water, normally used as a supplemental supply, could meet partial demands in an emergency.

Summary

The City of Daly City is supplied by two sources of water: surface water from the SF RWS regional water system, local groundwater from five municipal wells in active operation, and a third source, recycled water produced by the North San Mateo County Sanitation District, a subsidiary of the City of Daly City, that provides turf irrigation to three local golf courses, an athletic field and landscape medians.

Daly City is connected to the SF RWS with eleven turnouts off the Crystal Springs #1 and #2, San Andreas #2 and Sunset Pipelines. Additionally, Daly City has emergency intertie supply connections with Guadalupe Valley Municipal Improvement District, Brisbane Water, California Water Service, North Coast County Water District and Westborough County Water District.

Blending of the SF RWS supply and local groundwater is required because a small portion of the well water exceeds the nitrate MCL. Blending the two supply sources reduces the overall nitrate concentration below the MCL while the well water acts as a buffer for corrosion control.

Daly City entered into a pilot conjunctive use aquifer recharge program in October 2002 with the SFPUC to promote the goal of enhancing regional water resource management. Daly City agreed to accept an increased amount of surplus SF RWS system water at a reduced rate and not pump groundwater from the Westside Basin. This action provided the opportunity to observe the response of the basin from recharge that takes place as a result of the reduction in groundwater pumping.

The Phase One demonstration project continued until November 2003 and assessed the feasibility of a proposed program to increase groundwater levels in the Westside Basin, reduce the potential for seawater intrusion, develop increased SF RWS system yield from the overall surface and groundwater system, and potentially improve conditions at Lake Merced. Initial results from the project showed that groundwater levels increased within the basin. The second phase of the aquifer recharge study began in March 2004 and continued until May 2007. A third phase began May 15, 2009 and ended in March 2011. Currently Daly City and the SFPUC are developing an agreement to implement a long term conjunctive use program based on the analysis of the pilot program.

The City's distribution system includes 12 storage reservoirs, one of which is owned by a private entity, with a combined capacity of 24.58 million gallons that could, in an emergency, supply the annual average daily demand for just over 3.37 days. All reservoirs contain a mixture of SF RWS and groundwater, with the exception of Reservoirs #8 and #5 which are supplied solely by SF RWS connections. During this fiscal year, a two million gallon storage tank was constructed in the Bayshore Area to replace an undersized reservoir to enhance fire flows to the area. The system also contains 18 pumping stations, 23 pressure zones, 2 regulating control valves, 41 pressure-reducing valves, 21 pressure relief valves, 185 miles of main and 1,468 fire hydrants.

Daly City's Tertiary Recycled Water Facility (through its subsidiary, the North San Mateo County Sanitation District) began delivering full Title 22 compliant public contact irrigation water in August 2004 to the Olympic Club. Soon after, water deliveries included the Lake Merced Golf Club and Daly City's Westlake Park. During the 2005 irrigation season, deliveries included the San Francisco Golf Club. A study was conducted to examine the feasibility of adding service to Harding Park Golf Course. The study indicated the project was feasible, and construction is currently underway and is anticipated to be complete by the fall of 2012.

Since its initiation, some 2,386,590 ccf have been delivered for irrigation use, lessening the demand on local groundwater, and to a small degree, offsetting SF RWS system water with the conversion of potable water to recycled water at Harding Park.

Water Supply and Demand

Supply by Source	Actual FY 20-21 (ccf)	Actual FY 21-22 (ccf)	Actual FY 22-23 (ccf)	Actual FY 23-24 (ccf)
San Francisco Water	1,722,950	1,776,082	1,530,084	1,527,903
SF RWS Supplemental Water	1,040,352	0	0	747,202
Local Groundwater	0	996,438	1,026,284	257,980
Recycled Water	114,263	307,487	266,292	25,266
Total	2,877,565	3,080,007	2,822,660	2,558,350
mgd equivalent	5.90	6.31	5.78	5.24

Demand by Sector				
Residential	2,271,580	2,071,377	2,004,897	2,044,109
Commercial/Industrial	270,645	313,046	321,701	322,585
Other	69,456	70,286	75,828	68,689
Dedicated Irrigation	69,989	59,754	0	0
Non-Revenue Water	195,895	565,544	420,234	122,967
Total	2,877,565	3,080,007	2,822,660	2,558,350
mgd equivalent	5.90	6.31	5.78	5.24

Per Capita Use	Actual FY 20-21 (ccf)	Actual FY 21-22 (ccf)	Actual FY 22-23 (ccf)	Actual FY 23-24 (ccf)
Residential	44	40	38	43
Gross (Less Recycled Water)	53	53	49	53

Facilities and Distribution

Storage Reservoirs

Designation	Type	Capacity (gallons)	Designation	Type	Capacity (gallons)
Reservoir 1	Concrete	703,000	Reservoir 5B	Concrete	10,400,000
Reservoir 2	Concrete	2,303,000	Reservoir 6	Concrete	1,495,000
Reservoir 2B	Concrete	2,000,000	Reservoir 6B	Concrete	1,451,000
Reservoir 3	Concrete	978,000	Reservoir 7	Steel	1,487,000
Reservoir 4	Concrete	1,370,000	Reservoir 8	Steel	630,000
Reservoir 5	Concrete	1,481,000	F Bay (Private)	Steel	285,000
			Total		24,583,000

Wells

Name	Capacity (gpm)	Status
Westlake	410	Active
Well 4	426	Active
Jeff Well	340	Active
Vale	693	Inactive
A St.	524	Inactive
JS Well	550	Active
Total	2,943	

Interties

Name	No.	Diameter (in.)
GVMID	1	12
Brisbane	2	8, 8
CWS	5	2, 4, 4, 8, 10
North Coast	2	6, 8
Westborough	1	12

City of East Palo Alto

2415 University Ave.
East Palo Alto, CA 94303

Web: http://www.ci.east-palo-alto.ca.us

Veolia North America
2415 University Avenue
East Palo Alto, CA 94303

Phone: (650) 322-2083

Service Area

Located in southeast San Mateo County, the City of East Palo Alto is a residential community with some commercial and industrial development.

System

Profile

Area Size	2.5 square miles
Service Population	27,638
Number of Accounts	4,005
Number of SF RWS Connections	3
Connections to SF RWS Mains	BDPL 1 and 2
Avg. Day Demand (mgd)	1.53
Avg. Day Purchases from SF RWS (mgd)	1.53
% Demand Met with SF RWS Supplies	99.82%
Maximum Local Water Production (mgd)	0
Alternative Supply Sources	Gloria Way Well
Interties with Other Agencies	Palo Alto, Menlo Park, O'Connor Tract Water Coop, Palo Alto Park Mutual - only to 2 Mutual companies and not in EPA's direction
Local Storage (mg)	0
Days of Storage	0 – No storage: cannot sustain a loss of water independent of its interties. 3.6 mg of storage identified but approval/funding has yet to be secured.

Summary

The City of East Palo Alto receives all of its potable water supply from three SF RWS turnouts off BDPL 1 and 2. The third 72" pipeline is also in place, but not hooked up. All three turnouts are located in the northern portion of the district, and water is distributed directly to all of the customers within the district's one pressure zone. The City's water utility is operated and managed by a private contractor, Veolia North America.

Gloria Way Well is East Palo Alto's storage facility and is certified for alternate potable water supply sources within the City. The City has one emergency well currently not certified for potable use.

Water Supply and Demand

Supply by Source	Actual FY 20-21 (ccf)	Actual FY 21-22 (ccf)	Actual FY 22-23 (ccf)	Actual FY 23-24 (ccf)
San Francisco Water	743,205	699,368	672,814	745,804
Resale SF RWS (Menlo Park)	0	0	0	0
Local Groundwater	5,252	5,466	5,801	1,337
Recycled Water	0	0	0	0
Other	0	0	0	0
Total	748,457	704,834	678,615	747,141
mgd equivalent	1.53	1.44	1.39	1.53

Demand by Sector				
Residential	552,003	552,003	504,563	543,422
Commercial/Industrial	115,888	115,888	82.066	109,647
Other	19,386	19,384	11,551	23,230
Dedicated Irrigation	0	40,838	28,006	34,112
Non-Revenue Water	61,180	-23,279	52,429	36,730
Total	748,457	704,834	678,615	747,141
mgd equivalent	1.53	1.44	1.39	1.53

Per Capita Use	Actual FY 19-20 (gpcpd)	Actual FY 20-21 (gpcpd)	Actual FY 21-22 (gpcpd)	Actual FY 23-24 (gpcpd)
Residential	38	44	44	40
Gross	60	59	56	55

Facilities and Distribution

Wells

Name	Capacity (gpm)	Status
EPACWD Well	0.2	Standby
Total	0.2	

Interties

Name	No.	Diameter (in.)
Palo Alto	1	6
O'Connor	1	6
Menlo Park	8	6

Estero Municipal Improvement District

610 Foster City Boulevard
Foster City, California 94404-2299

Phone (650) 286-3270 Fax (650) 345-4626
Web: http://www.fostercity.org/Services/water/index.cfm

Service Area

Estero Municipal Improvement District is located in central San Mateo County immediately adjacent to the Bay, and serves the City of Foster City and a part of the City of San Mateo, an area predominantly residential with a broad cross-section of commercial and light industrial development.

System

Profile

Area Size	4 square miles
Service Population	35,556
Number of Accounts	7,210
Number of SF RWS Connections	1
Connections to SF RWS Mains	Crystal Springs #2
Avg. Day Demand (mgd)	3.98
Avg. Day Purchases from SF RWS (mgd)	3.98
% Demand Met with SF RWS Supplies	100%
Maximum Local Water Production (mgd)	0
Alternative Supply Sources	None
Interties with Other Agencies	CWS – Mid-Peninsula (San Mateo), Mid-Peninsula Water District
Local Storage (mg)	20
Days of Storage	2.0 – EMID can meet the 8 hr. criteria on maximum day

Summary

Estero Municipal Improvement District's sole source of supply is SF RWS through a turnout located on Crystal Springs Road in the City of San Mateo. Water from the turnout fills storage tanks located in the northwest corner of the district.

The distribution system consists of 2 water pressure reducing stations, 4 storage tanks, 1 pump station, and 1 pressure zone.

EMID has connections in the southern half of the district to CWS - San Mateo and the Mid-Peninsula Water District for emergency water supply.

Water Supply and Demand

Supply by Source	Actual FY 20-21 (ccf)	Actual FY 21-22 (ccf)	Actual FY 22-23 (ccf)	Actual FY 23-24 (ccf)
San Francisco Water	2,101,104	1,887,409	1,833,938	1,939,984
Local Groundwater	0	0	0	0
Surface Water	0	0	0	0
Recycled Water	0	0	0	0
Other	0	0	0	0
Total	2,101,104	1,887,409	1,833,938	1,939,984
mgd equivalent	4.31	3.87	3.76	3.98

Demand by Sector				
Residential	1,205,764	1,068,179	992,677	1,017,510
Commercial/Industrial	146,934	157,708	176,433	199,844
Other	22,514	21,665	23,880	26,172
Dedicated Irrigation	565,250	482,115	364,998	413,836
Non-Revenue Water	160,642	156,742	275,950	282,622
Total	2,101,104	1,887,409	1,833,938	1,939,984
mgd equivalent	4.31	3.87	3.76	3.98

Per Capita Use	Actual FY 20-21 (gpcpd)	Actual FY 21-22 (gpcpd)	Actual FY 22-23 (gpcpd)	Actual FY 23-24 (gpcpd)
Residential	66	66	54	59
Gross	114	117	100	112

Facilities and Distribution

Storage Reservoirs

Designation	Type	Capacity (mg)
Storage Tank 1	Steel	4
Storage Tank 2	Steel	4
Storage Tank 3	Steel	4
Storage Tank 4	Conc.	8
Total		20

Interties

Name	No.	Diameter (in.)
CWS - San Mateo	1	12
Mid-Peninsula	1	12

City of Hayward

Public Works & Utilities Department
777 B Street
Hayward, California 94541
Phone: (510) 583-4700 Fax: (510) 583-3610
Web: www.hayward-ca.gov

Service Area

The City of Hayward is located in south Alameda County on the eastern shore of the San Francisco Bay.

System

Profile

Area Size	62.5 square miles
Service Population	162,954
Number of Accounts	38,068
Number of SF RWS Connections	4 (two at each turnout)
Connections to SF RWS Mains	BDPL 1 and 2
Avg. Day Demand (mgd)	13.34
Avg. Day Purchases from SF RWS (mgd)	13.18
% Demand Met with SF RWS Supplies	98.86%
Maximum Local Water Production (mgd)	0
Alternative Supply Sources	Local Groundwater (Emergency Use Only)
Interties with Other Agencies	ACWD, EBMUD
Local Storage (mg)	31.3
Days of Storage	2.2 – All zones can meet the 8 hr criteria either separately or by pumping from zones with excess capacity. Well water could be used in an emergency.

Summary

The City of Hayward obtains its entire water supply from the SF RWS at two turnouts, one at the Irvington Portal and one at the Newark valve lot. The distribution system consists of 6 main pressure zones, 16 water storage tanks, and 7 pump stations delivering water to upper pressure zones. The transmission system attached to the Hetch Hetchy aqueduct is complemented by two booster pump stations: the Decoto pump station, located along the Mission Boulevard 24" transmission main, and the Hesperian pump station, located along the Hesperian Boulevard 42" transmission main. Multiple pressure reducing stations interface between the transmission and distribution systems. Five water wells, permitted for short term, emergency use, can be brought online in the event of a transmission system failure. The wells have not been put to use in the past.

There is at least one storage tank located within each pressure zone, with pump stations to deliver water to the higher elevation zones. Water is delivered to the 250-foot elevation pressure zone from SF RWS with sufficient pressure under most conditions. The Hayward Fault generally runs along, and just to the east of Mission Boulevard. Storage is located in the eastern portion of the City, east of Mission Blvd. The Decoto and/or Hesperian pump stations boost pressure in the 250-

foot elevation pressure zone when necessary. All five emergency wells are located west of Mission Blvd., as are three of the City's five emergency interties.

Water Supply and Demand

Supply by Source	Actual FY 20-21 (ccf)	Actual FY 21-22 (ccf)	Actual FY 22-23 (ccf)	Actual FY 23-24 (ccf)
San Francisco Water	7,098,330	6,854,523	6,301,398	6,430,378
Local Groundwater	0	0	0	0
Recycled Water*	0	27,420	76,640	80,404
Total	7,098,330	6,881,943	6,378,038	6,510,782
mgd equivalent	14.55	14.10	13.07	13.34

*Recycled water delivery includes volumes of secondary treated water delivered to Russell City Energy Center (RCEC) in FY 18-19. In FY 21-22, the City began tertiary-treated recycled water deliveries to its Phase 1 commercial and industrial irrigation customers.

Demand by Sector				
Residential	3,900,465	3,614,790	3,472,598	3,870,838
Commercial/Industrial	1,289,268	1,280,048	1,293,305	1,347,757
Other	488,247	456,427	409,088	454,132
Dedicated Irrigation	959,411	825,279	742,732	617,521
Non-Revenue Water	460,939	688,412	460,316	214,536
Total	7,098,330	6,864,956	6,378,038	6,504,784
mgd equivalent	14.55	14.07	13.07	13.33

Per Capita Use	Actual FY 20-21 (gpcpd)	Actual FY 21-22 (gpcpd)	Actual FY 22-23 (gpcpd)	Actual FY 23-24 (gpcpd)
Residential	49	46	45	49
Gross	89	87	81	81

Facilities and Distribution

Storage Reservoirs

Designation	Type	Capacity (gallons)	Designation	Type	Capacity (gallons)
Treeview	Concrete	3,000,000	250 East	Concrete	500,000
Maitland	Concrete	1,000,000	250 West	Concrete	500,000
North Walpert	Concrete	1,500,000	Highland 500	Concrete	3,000,000
South Walpert	Steel	5,300,000	Highland 750	Steel	4,400,000
D Street	Concrete	1,000,000	Highland 1000	Steel	2,200,000
High School	Concrete	1,000,000	Highland 1285	Steel	1,800,000
Garin Hills South	Steel	1,250,000	Highland 1530 East	Steel	2,900,000
New Garin Hills	Steel	750,000	Highland 1530	Steel	1,200,000
			Total		31,300,000

Wells

Name	Capacity (mgd)	Status
Well A	1.7	Standby (Emergency)
Well B*	2.9	Standby (Emergency)
Well C	4.6	Standby (Emergency)
Well D	1.4	Standby (Emergency)
Well E	3.0	Standby (Emergency)
Total	13.6	

*Out of service and not functional.

Interties

Name	No.	Diameter (in.)
EBMUD*	2	10, 12
ACWD	2	12, 12
Regional Water System	1	36

*Also capable of hydrant-to-hydrant interconnection with EBMUD for firefighting purposes during emergencies.

Town of Hillsborough

Water Department
1600 Floribunda Avenue
Hillsborough, California 94010-6498

Phone: (650) 375-7402 Fax: (650) 375-7444
Web: http://www.hillsborough.net/depts/pw/water/default.asp

Service Area

The Town of Hillsborough, located in central San Mateo County, is a single family residential community zoned for residential estates. The Town's service area includes the Town of Hillsborough and portions of unincorporated San Mateo County.

System

Profile

Area Size	6.25 square miles
Service Population	11,766
Number of Accounts	4,304
Number of SF RWS Connections	9 Turnouts, 12 meters
Connections to SF RWS Mains	Crystal Springs #2, Sunset Pipeline
Avg. Day Demand (mgd)	2.17
Avg. Day Purchases from SF RWS (mgd)	2.17
% Demand Met with SF RWS Supplies	100%
Maximum Local Water Production (mgd)	0
Alternative Supply Sources	None
Interties with Other Agencies	Burlingame, CWS – Mid-Peninsula (San Mateo)
Local Storage (mg)	8.29 (max capacity)
Days of Storage	2.2 - All zones can meet the 8 hr criteria either separately or by pumping from zones with excess capacity.

Summary

The Town of Hillsborough purchases all of its water from the SF RWS via 12 meters in 9 turnouts located off San Francisco's Sunset and Crystal Springs #2 supply lines, which provide potable water to customers in 5 pressure zones.

The Town owns and operates its own water utility. The distribution system consists of 16 pressure zones, 14 pump stations, 18 storage tanks, and 107 miles of mains.

There are no wells or alternate sources within the district.

Water Supply and Demand

Supply by Source [1]	Actual FY 20-21 (ccf)	Actual FY 21-22 (ccf)	Actual FY 22-23 (ccf)	Actual FY 23-24 (ccf)
San Francisco Water	1,314,680	1,141,504	1,000,717	1,057,159
Resale SF RWS (CWS)	0	0	0	0
Local Groundwater	0	0	0	0
Surface Water	0	0	0	0
Recycled Water	0	0	0	0
Other	0	0	0	0
Total	1,314,680	1,141,504	1,000,717	1,057,159
mgd equivalent	2.69	2.34	2.05	2.17

Demand by Sector [2]				
Residential	1,218,782	1,058,579	896,796	943,891
Commercial/Industrial	4,193	3,998	3,949	4,079
Institutional/Other	16,094	13,917	12,201	15,782
Dedicated Irrigation	28,830	33,112	31,453	29,386
Non-Revenue Water	46,781	31,898	56,318	64,021
Total	1,314,680	1,141,504	1,000,717	1,057,159
mgd equivalent	2.69	2.34	2.05	2.17

Per Capita Use	Actual FY 20-21 (gpcpd)	Actual FY 21-22 (gpcpd)	Actual FY 22-23 (gpcpd)	Actual FY 23-24 (gpcpd)
Residential	219	190	159	164
Gross	236	205	177	184

1 SFPUC billing is based on monthly meter readings.
2 Hillsborough retail sales are based on bi-monthly reading of customers' meters.

Note: Some minor population and water supply errors were discovered in FYs 08-10 and have not been corrected here. These errors are not significant, and corrected data can be provided by the Town of Hillsborough on request.

Facilities and Distribution

Storage Reservoirs

Designation	Type	Capacity (gallons)
Forest View Tank 1	Steel	280,000
Forest View Tank 2	Steel	675,000
Skyfarm II Tank 1	Steel	65,000
Skyfarm II Tank 2	Steel	65,000
Skyfarm III Tank 1	Steel	700,000
Skyfarm III Tank 2	Steel	700,000
Darrell Tank 1	Steel	500,000
Darrell Tank 2	Steel	500,000
Darrell Tank 3	Steel	1,000,000

Designation	Type	Capacity (gallons)
El Arroyo Tank 1	Steel	516,000
El Arroyo Tank 2	Steel	516,000
Major Hayes Tank	Steel	250,000
Vista Tank	Steel	350,000
Marlborough Tank 1	Steel	250,000
Marlborough Tank 2	Steel	350,000
Tournament Tank 1	Steel	600,000
Tournament Tank 2	Steel	600,000
Total		7,917,000

Interties

Name	No.	Diameter (in.)
CWS -San Mateo	4	2*, 6, 6, 8
Burlingame	3	6, 8, 10

*2-inch galvanized steel pipe is considered non-functional as an intertie.

City of Menlo Park

Menlo Park Municipal Water
701 Laurel Street
Menlo Park, California 94025-3483

Phone: (650) 330-6750 E-mail: water@menlopark.gov
Web: http://www.menlopark.gov

Service Area

The City of Menlo Park, a balanced mix of residential, commercial and industrial users, is located in southern San Mateo County.

System

Profile

Area Size	9 square miles
Service Population	21,340
Number of Accounts	4,440
Number of SF RWS Connections	5
Connections to SF RWS Mains	3 connections to BDPL 1 and 2 via Ivy Drive at Hill, Chilco and Madera; 1 connection to BDPL 4 via Sharon Park Drive at Lassen; 1 connection to the Palo Alto Pipeline
Avg. Day Demand (mgd)	2.56
Avg. Day Purchases from SF RWS (mgd)	2.56
% Demand Met with SF RWS Supplies	100%
Maximum Local Water Production (mgd)	0
Alternative Supply Sources	One well for emergency purposes only (under construction)
Interties with Other Agencies	CWS - Bear Gulch, Redwood City, East Palo Alto, O'Connor Tract Water Coop
Local Storage (mg)	5.5 mg
Days of Storage	0.65

Summary

The City of Menlo Park purchases all of its water directly from the SF RWS. One SF RWS turnout serves the Sharon Heights area along Sand Hill Road and Highway 280, and four turnouts serve portions of the City north and east of El Camino Real near Highway 101 and Willow Road. Menlo Park also serves a handful of customers in City of Redwood City and the Town of Portola Valley via 4 connections. The distribution system includes one pump station, two storage reservoirs, and 63 miles of mains. West Bay Sanitary District currently provides recycled water to one irrigation customer in Menlo Park's service area. They plan to expand their system in the future.

The two reservoirs supply the Sharon Heights area. No storage exists in the areas supplied north and east of El Camino Real. However, this area has emergency interties with California Water Service (CWS), Redwood City, O'Connor Tract Water Coop, and East Palo Alto. CWS and the emergency well (under construction) are the primary emergency sources of water for Menlo Park.

Water Supply and Demand

Supply by Source	Actual FY 20-21 (ccf)	Actual FY 21-22 (ccf)	Actual FY 22-23 (ccf)	Actual FY 23-24 (ccf)
San Francisco Water	1,379,039	1,195,123	1,070,006	1,247,376
Recycled Water	0	0	0	0
Other	0	0	0	0
Total	1,379,039	1,195,123	1,070,006	1,247,376
mgd equivalent	2.83	2.45	2.19	2.56

Demand by Sector				
Residential	600,474	511,259	499,549	492,181
Commercial/Industrial	436,302	422,508	365,687	380,711
Other	128,222	135,806	115,441	144,307
Dedicated Irrigation	155,024	124,289	88,219	195,079
Non-Revenue Water	59,017	1,261	1,110	35,098
Total	1,379,039	1,195,123	1,070,006	1,247,376
mgd equivalent	2.83	2.45	2.19	2.56

Per Capita Use	Actual FY 20-21 (gpcpd)	Actual FY 21-22 (gpcpd)	Actual FY 22-23 (gpcpd)	Actual FY 23-24 (gpcpd)
Residential	64	49	50	47
Gross	146	115	108	120

Facilities and Distribution

Storage Reservoirs

Designation	Type	Capacity (mg)
Reservoir 1	Storage	2.0
Reservoir 2	Storage	3.5
Total		5.5

Interties

Name	No.	Diameter (in.)
CWS – Bear Gulch	3	6, 8, 10
East Palo Alto	8	8, 8, 10, 10, 10, 12, 12, 12
O'Connor Tract	1	6
Redwood City	1	Hydrant to hydrant

Mid-Peninsula Water District

1075 Old County Road, Suite A,
Belmont, California 94002-0129

Phone: (650) 591-8941 Fax: (650) 591-4998
Web: http://www.midpeninsulawater.org

Service Area

The Mid-Peninsula Water District, located in central San Mateo County, serves the city of Belmont, portions of San Carlos, and unincorporated county areas. The predominant land use is residential.

System

Profile

Area Size	5 square miles
Service Population	30,609
Number of Accounts	8,195
Number of SF RWS Connections	2
Connections to SF RWS Mains	BDPL 1 and 2, Crystal Springs Bypass Tunnel
Avg. Day Demand (mgd)	2.27
Avg. Day Purchases from SF RWS (mgd)	2.27
% Demand Met with SF RWS Supplies	100%
Maximum Local Water Production (mgd)	0
Alternative Supply Sources	None
Interties with Other Agencies	Estero MID, Redwood City, CWS – Mid-Peninsula (San Mateo), CWS – Mid-Peninsula (San Carlos)
Local Storage (mg)	12.5
Days of Storage	3.6 - All zones can meet the 8 hr criteria either separately or by pumping from zones with excess capacity.

Summary

The District's sole source of potable water is delivered via two SF RWS turnouts. Local water storage is not feasible, and groundwater of adequate quantity and quality is not available.

The system contains 9 pressure zones. The easternmost zone, east of El Camino Real, is gravity fed from the SF RWS connection. Water is pumped to storage reservoirs at higher elevations to feed the remaining pressure zones. The District operates and maintains a complex distribution system that includes 20 pumps, 11 water tanks, 13 regulating valves, 813 hydrants, and 105 miles of water mains.

The District also has redundancy built into the entire distribution system, enabling either of the two SF RWS transmission mains to supply water to all customers of the District. The District has the ability to transfer water between pressure zones in either a pump-up or flow-down mode in emergency conditions.

Water Supply and Demand

Supply by Source	Actual FY 20-21 (ccf)	Actual FY 21-22 (ccf)	Actual FY 22-23 (ccf)	Actual FY 23-24 (ccf)
San Francisco Water	1,273,998	1,172,923	1,055,377	1,107,642
Local Groundwater	0	0	0	0
Surface Water	0	0	0	0
Recycled Water	0	0	0	0
Other	0	0	0	0
Total	1,273,998	1,172,923	1,055,377	1,107,642
mgd equivalent	2.61	2.40	2.16	2.27

Demand by Sector				
Residential	953,609	836,837	778,506	805,647
Commercial/Industrial	166,362	158,757	146,697	163,403
Other	34,506	33,109	31,950	30,498
Dedicated Irrigation	93,605	85,783	65,383	71,899
Non-Revenue Water	25,916	58,437	32,841	36,195
Total	1,273,998	1,172,923	1,055,377	1,107,642
mgd equivalent	2.61	2.40	2.16	2.27

Per Capita Use	Actual FY 20-21 (gpcpd)	Actual FY 21-22 (gpcpd)	Actual FY 22-23 (gpcpd)	Actual FY 23-24 (gpcpd)
Residential	71	58	53	54
Gross	95	81	72	74

Facilities and Distribution

Storage Reservoirs

Designation	Type	Capacity (mg)	Designation	Type	Capacity (mg)
Storage Tank 1	Steel	2.50	Storage Tank 7	Steel	0.79
Storage Tank 2	Steel	2.50	Storage Tank 8	Steel	0.79
Storage Tank 3	Steel	1.00	Storage Tank 9	Steel	0.10
Storage Tank 4	Steel	1.50	Storage Tank 10	Steel	0.10
Storage Tank 5	Steel	1.00	Storage Tank 11	Steel	1.50
Storage Tank 6	Steel	0.72			
			Total		12.50

Interties

Name	No.	Diameter (in.)	Name	No.	Diameter (in.)
Estero	1	12	CWS - San Carlos	2	8
Redwood City	1	12	CWS - San Mateo	3	8

City of Millbrae

Public Works - Engineering
621 Magnolia Avenue
Millbrae, California 94030

Phone: (650) 259-2339 Fax: (650) 697-8158
Web: http://www.ci.millbrae.ca.us

Service Area

The City of Millbrae is a residential community with a small commercial business sector located in north San Mateo County. Millbrae owns and operates its water utility, with a service area that includes Capuchino High School in San Bruno.

System

Profile

Area Size	3.2 square miles
Service Population	22,087
Number of Accounts	6,613
Number of SF RWS Connections	5
Connections to SF RWS Mains	Murchison, Greenhills, Park, 195 ECR, Helen
Avg. Day Demand (mgd)	1.73
Avg. Day Purchases from SF RWS (mgd)	1.73
% Demand Met with SF RWS Supplies	100%
Maximum Local Water Production (mgd)	0
Alternative Supply Sources	None
Interties with Other Agencies	Burlingame
Local Storage (mg)	2.36
Days of Storage	2.0 – 3 of 4 (Zones 1- 3) zones receive water from Harry Tracy Plant. Meets 8 hr. coverage for City's 3 upper zones. Planned projects will provide interties among zones to provide storage to Zone 4. These projects are pending completion of a Master Plan.

Summary

The City of Millbrae's only source of water is the SF RWS, delivered through 5 turnouts. Hetch Hetchy water purchased from the SF RWS meets all drinking water standards and is treated with fluoride.

Four storage tanks near the Harry Tracy WTP are filled early in the morning and are slowly drawn throughout the day to satisfy customer demand. Water filtered by the Harry Tracy Treatment Plant (San Andreas Reservoir) supplies water in the higher elevations, while the Crystal Springs #2 and #3 deliver water to the lower elevations.

The distribution system includes 11 pressure zones, 6 pumps (3 each at 2 stations), 5 storage tanks (only 4 are in operation), 568 hydrants, and 69.7 miles of water mains.

Water Supply and Demand

Supply by Source	Actual FY 20-21 (ccf)	Actual FY 21-22 (ccf)	Actual FY 22-23 (ccf)	Actual FY 23-24 (ccf)
San Francisco Water	906,122	900,514	850,047	844,675
Local Groundwater	0	0	0	0
Surface Water	0	0	0	0
Recycled Water	0	0	0	0
Other	0	0	0	0
Total	906,122	900,514	850,047	844,675
mgd equivalent	1.86	1.85	1.74	1.73

Demand by Sector				
Residential	625,079	552,391	530,140	527,472
Commercial/Industrial	66,540	70,805	142,691	145,798
Other	61,427	18,731	19,564	15,051
Dedicated Irrigation	78,444	67,232	65,013	56,167
Non-Revenue Water	74,632	191,355	92,639	100,187
Total	906,122	900,514	850,047	844,675
mgd equivalent	1.86	1.85	1.74	1.73

Per Capita Use	Actual FY 20-21 (gpcpd)	Actual FY 21-22 (gpcpd)	Actual FY 22-23 (gpcpd)	Actual FY 23-24 (gpcpd)
Residential	56	51	53	49
Gross (less recycled water)	81	83	84	78

Facilities and Distribution

Storage Reservoirs

Designation	Type	Capacity (mg)
Storage Tank 1	Steel	1.00
Storage Tank 2	Steel	0.50
Storage Tank 3	Steel	0.50
Storage Tank 4	Steel	0.11
Storage Tank 5	Steel	0.25
Total		2.36

Interties

Name	No.	Diameter (in.)
Burlingame	8	6, 8, 10, 12

City of Milpitas

Public Works Department
455 East Calaveras Boulevard
Milpitas, California 95035-5411
Phone: (408) 586-2600 Fax: (408) 586-3305
Web: http://www.ci.milpitas.ca.gov/

Service Area

The City of Milpitas is located in northeastern Santa Clara County.

System

Profile

Area Size	13.6 square miles
Service Population	81,773
Number of Accounts	16,599
Number of SF RWS Connections	4 – Sunnyhills (Washington), Calaveras, Main (Hammond), and Gibraltar Tank (intertie).
Connections to SF RWS Mains	BDPL 3 and 4
Avg. Day Demand (mgd)	8.30
Avg. Day Purchases from SF RWS (mgd)	5.32
% Demand Met with SF RWS Supplies	64.17%
Maximum Local Water Production (mgd)	0
Alternative Supply Sources	Santa Clara Valley Water District (SCVWD), South Bay Water Recycling (SBWR), Pinewood Well
Interties with Other Agencies	Alameda County Water District (ACWD), San Jose Water Company (SJWC)
Local Storage (mg)	16.3
Days of Storage	1.4 – All 6 zones can meet the 8 hr criteria, ranging from 9 hours to 31 hours at maximum day.

Summary

The City of Milpitas owns and operates its own water utility. The northern and eastern areas are supplied primarily by the SF RWS, while the remaining areas are supplied by SCVWD. With some exceptions, residents receive SF RWS water, while industrial and commercial areas receive SCVWD water. The City does not blend SF RWS and SCVWD waters under normal operations, but they can be blended during emergency situations.

The City's distribution system consists of 5 turnouts, 11 pressure regulator valves, 6 emergency pressure regulator valves, 5 pumping stations, 5 storage tanks, and 1 well.

The City has emergency interties with ACWD to the north and SJWC to the south. The City has one well, Pinewood Well, which can provide water to one SF RWS-supplied zone during emergencies. Two wells are under construction to supplement water supply during emergencies.

Since 1997, the City has been receiving non-potable recycled water from South Bay Water Recycling (SBWR) Program.

Water Supply and Demand

Supply by Source	Actual FY 20-21 (ccf)	Actual FY 21-22 (ccf)	Actual FY 22-23 (ccf)	Actual FY 23-24 (ccf)
San Francisco Water	2,647,856	2,251,779	2,230,517	2,598,121
Santa Clara Valley WD	1,526,474	1,589,861	1,402,379	1,091,322
Recycled Water	415,177	423,744	342,451	359,585
Other	0	0	0	0
Total	4,589,507	4,265,384	3,975,347	4,049,028
mgd equivalent	9.41	8.74	8.15	8.30

Demand by Sector				
Residential	2,152,431	2,036,897	1,960,244	1,988,773
Commercial/Industrial	891,128	792,330	785,640	796,447
Other	103,921	114,066	135,753	129,077
Dedicated Irrigation	753,134	805,639	547,953	661,295
Non-Revenue Water	688,893	516,452	545,757	473,436
Total	4,589,507	4,265,384	3,975,347	4,049,028
mgd equivalent	9.41	8.74	8.15	8.30

Per Capita Use	Actual FY 20-21 (gpcpd)	Actual FY 21-22 (gpcpd)	Actual FY 22-23 (gpcpd)	Actual FY 23-24 (gpcpd)
Residential	57	52	50	57
Gross (Less Recycled Water)	110	97	92	102

Facilities and Distribution

Storage Reservoirs

Designation	Type	Capacity (mg)
SFPUC – Gibraltar	Prestressed Concrete	5.00
SFPUC – Ayer	Prestressed Concrete	5.60
SFPUC – Tularcitos	Steel	0.31
SFPUC – Minnis	Steel	0.35
SCVWD – Gibraltar	Prestressed Concrete	5.00
Total		16.26

Wells

Name	Capacity (mgd)	Status
Pinewood*	1.7	Active
Total	1.7	

*Emergency use

Interties

Name	No.	Diameter (in.)
SCVWD*	41	6 - 24
SJWC	1	6
ACWD	2	8

*Emergency and Isolation Valves included.

City of Mountain View

Public Services Division
231 North Whisman Road
Mountain View, California 94043
Phone: (650) 903-6329 Fax: (650) 962-8079
Web: http://www.mountainview.gov

Service Area

The City of Mountain View is located in north Santa Clara County on the Peninsula, between the cities of Sunnyvale and Palo Alto.

System

Profile

Area Size	12 square miles
Service Population	81,501
Number of Accounts	18,062
Number of SF RWS Connections	3 turnouts/ 9 meters
Connections to SF RWS Mains	BDPL 3 and 4
Avg. Day Demand (mgd)	8.76
Avg. Day Purchases from SF RWS (mgd)	7.36
% Demand Met with SF RWS Supplies	83.99%
Maximum Local Water Production (mgd)	2.4
Alternative Supply Sources	Local Groundwater, SCVWD, Recycled
Interties with Other Agencies	Palo Alto, Sunnyvale, SCVWD, CWS – Los Altos District
Local Storage (mg)	17.3
Days of Storage	Note: With loss of SF RWS supply only, City can utilize wells, SCVWD or storage within zones or excess capacity from other zones to meet 8-hour outage or Minimum Winter Demand.

Summary

The City of Mountain View's primary water supplier is the SF RWS. The Santa Clara Valley Water District supplies treated water and Mountain View supplies groundwater. California Water Service also provides water to a small part of Mountain View. Mountain View's system distributes water to three pressure zones via 190 miles of main, with inter-zonal connections that allow water to flow from adjacent zones. Mountain View has four water storage facilities.

Mountain View has 4 active wells (3 currently out of service). The wells influence each other, resulting in varied maximum and simultaneous flows. They are not currently operated at their maximum capacity due to various maintenance and operational issues.

Water Supply and Demand

Supply by Source	Actual FY 20-21 (ccf)	Actual FY 21-22 (ccf)	Actual FY 22-23 (ccf)	Actual FY 23-24 (ccf)
San Francisco Water	3,855,612	3,581,200	3,279,562	3,589,710
Santa Clara Valley WD	453,691	405,634	365,939	384,119
Local Groundwater	57,895	46,002	50,108	67,365
Recycled Water	191,957	188,938	183,487	232,608
Total	4,559,155	4,221,774	3,879,095	4,273,802
mgd equivalent	9.34	8.65	7.95	8.76

Demand by Sector				
Residential	2,536,456	2,307,012	2,172,873	2,257,565
Commercial/Industrial	540,433	619,103	632,659	701,865
Other	3,392	1,778	2,942	1,389
Dedicated Irrigation	1,195,722	1,085,804	806,800	910,074
Non-Revenue Water*	283,152	208,077	263,821	402,909
Total	4,559,155	4,221,774	3,879,095	4,273,802
mgd equivalent	9.34	8.65	7.95	8.76

Per Capita Use	Actual FY 20-21 (gpcpd)	Actual FY 21-22 (gpcpd)	Actual FY 22-23 (gpcpd)	Actual FY 23-24 (gpcpd)
Residential	63	58	55	57
Gross	108	101	93	102

Facilities and Distribution

Storage Reservoirs

Designation	Type	Capacity (gallons)
Miramonte	Concrete	1,200,000
Miramonte	Concrete	2,100,000

Designation	Type	Capacity (gallons)
Whisman	Concrete	6,000,000
Graham	Concrete	8,000,000
Total		17,300,000

Wells

Name	Capacity (mgd)	Status
Well 19	0.7	Active

Name	Capacity (mgd)	Status
Well 21	1.1	Active
Well 22	1.1	Active
Well 23	1.3	Active
Total	4.2	

Interties

Name	No.	Diameter (in.)
Palo Alto	3	6
Sunnyvale	4	6, 8, 8, 8
SCVWD	1	24

North Coast County Water District

2400 Francisco Boulevard
Pacifica, California 94044-6039

Phone: (650) 355-3462 Fax: (650) 355-0735
Web: http://www.nccwd.com

Service Area

The North Coast County Water District serves the northern coastal areas of San Mateo County. The District's boundaries are nearly the same as those of the City of Pacifica.

System

Profile

Area Size	13.6 square miles
Service Population	36,426
Number of Accounts	13,216
Number of SF RWS Connections	1
Connections to SF RWS Mains	San Andreas 3
Avg. Day Demand (mgd)	2.20
Avg. Day Purchases from SF RWS (mgd)	2.16
% Demand Met with SF RWS Supplies	98.55%
Maximum Local Water Production (mgd)	0
Alternative Supply Sources	Local Surface Water; Recycled Water
Interties with Other Agencies	San Bruno, Daly City, Westborough CWD
Local Storage (mg)	18.25
Days of Storage	5.8 days – Length of storage based on loss of all sources of supply. All zones can meet the 8 hr criteria either separately or by pumping from zones with excess capacity. San Pedro Creek could meet limited demand in an emergency.

Summary

100% of NCCWD potable water comes from one SF RWS connection at San Andreas. There is a main pump station located on the site of the Harry Tracy WTP, which pumps all the water through a 4 mile pipeline into the Milagra Ridge storage tank located in the Central District area.

The northern portion of the system is supplied by pumping water from the Milagra Ridge Tank site to the Christen Hill tank, then distributing it to the customers via gravity. The southern District's distribution hub, at Royce Tank Site, is supplied via gravity by the Milagra Ridge Tank. Overall, the system is divided into 31 pressure zones, each separated by pressure reducing valves. At average daily demands, there is enough storage to supply the District with water for up to 5.8 days at typical demands and storage. A small amount of water is conveyed to San Bruno annually as a public customer.

The District's only other water source is the San Pedro Creek. Water rights to the creek are limited to 500 gpm between December 1 and April 30, and to 210 gpm during May. This water requires filtering and minimal treatment at the San Pedro WTP adjacent to the creek before distribution. The San Pedro facility is on line and filters creek water, as allowed by the District's water rights, for non-potable uses.

Water Supply and Demand

Supply by Source	Actual FY 20-21 (ccf)	Actual FY 21-22 (ccf)	Actual FY 22-23 (ccf)	Actual FY 23-24 (ccf)
San Francisco Water	1,172,219	1,068,893	1,024,588	1,056,221
Recycled Water	22,198	15,744	16,151	15,536
Other	0	0	0	0
Total	1,194,417	1,084,637	1,040,739	1,071,758
mgd equivalent	2.45	2.22	2.13	2.20

Demand by Sector				
Residential	915,799	806,906	784,583	765,566
Commercial/Industrial	82,724	90,075	89,498	88,107
Other	56,475	75,292	65,419	75,190
Dedicated Irrigation	51,256	52,299	41,900	24,541
Non-Revenue Water	88,163	60,065	59,339	118,352
Total	1,194,417	1,084,637	1,040,739	1,071,758
mgd equivalent	2.45	2.22	2.13	2.20

Per Capita Use	Actual FY 20-21 (gpcpd)	Actual FY 21-22 (gpcpd)	Actual FY 22-23 (gpcpd)	Actual FY 23-24 (gpcpd)
Residential	49	44	43	43
Gross	63	58	57	59

Facilities and Distribution

Potable Storage Reservoirs

Designation	Capacity (gallons)
11 Reservoirs	18,250,000
Total	18,250,000

Water Treatment Facilities:

Surface Water

Designation	Capacity (mgd)
San Pedro WTP	0.5

Recycled Water

Designation	Capacity (mgd)
Central District	0.3

Interties

Name	No.	Diameter (in.)
San Bruno	2	10
Daly City	2	6, 8

Name	No.	Diameter (in.)
Westborough	**3**	8, 10, 10

City of Palo Alto

250 Hamilton Avenue
Palo Alto, California 94301-2593

Phone: (650) 329-2119 Fax: (650) 326-1507
Web: http://www.cityofpaloalto.org

Service Area

Located in north Santa Clara County, Palo Alto is the only municipality in California that operates six utilities - electric and fiber, water, gas, wastewater collection and treatment, storm drainage and refuse. The utility's service area includes approximately 40 residential accounts (about 100 people) outside of the City's boundaries (in Los Altos Hills and Portola Valley).

System

Profile

Area Size	26 square miles
Service Population	67,901
Number of Accounts	20,387
Number of SF RWS Connections	5
Connections to SF RWS Mains	Palo Alto Pipeline, BDPL 3 and 4
Avg. Day Demand (mgd)	10.02
Avg. Day Purchases from SF RWS (mgd)	9.07
% Demand Met with SF RWS Supplies	90.49%
Maximum Local Water Production (mgd)	15.05 – 8 emergency wells
Alternative Supply Sources	Recycled Water, Local Groundwater
Interties with Other Agencies	East Palo Alto CWD, Mountain View, Purissima Hills WD, Stanford University
Local Storage (mg)	13
Days of Storage	1.13 – Currently, Palo Alto water system can independently supply 8 hr under maximum day demands for emergency use

Summary

The City of Palo Alto's primary source of water is the SF RWS, via 5 turnouts, 3 off the Palo Alto Pipeline and 2 off BDPLs 3 and 4, that in most years provide 100% of Palo Alto's potable water supply. Palo Alto has 9 pressure zones, 7 storage tanks, 5 booster pump stations in the Foothills which pump water to the higher elevation pressure zones, and 2 booster pump stations to support pressure zones 1 and 2.

To improve the capacity of the local water distribution system to provide water during an emergency event, Palo Alto initiated the Emergency Water Supply and Storage Project. The Project included the rehabilitation of 5 existing wells, construction of 3 new wells, and construction of a new 2.5 million gallon emergency water storage reservoir. Palo Alto now has adequate storage and pumping capacity to provide emergency back up during an interruption of SF RWS service. The wells may also be available to meet limited dry year requirements.

Palo Alto replaces potable water with recycled water to irrigate a golf course and a city park, to fill a duck pond, and some uses at the water quality control plant. Recycled water use that does

not replace potable water includes the Emily Renzel Marsh enhancement project and additional process uses at the water quality control plant.

Water Supply and Demand

Supply by Source	Actual FY 20-21 (ccf)	Actual FY 21-22 (ccf)	Actual FY 22-23 (ccf)	Actual FY 23-24 (ccf)
San Francisco Water	4,953,805	4,709,184	4,210,400	4,424,761
Local Groundwater	0	0	0	0
Recycled Water	498,649	476,934	454,561	465,073
Other	0	0	0	0
Total	5,452,454	5,186,118	4,664,961	4,889,834
mgd equivalent	11.17	10.63	9.56	10.02

Demand by Sector				
Residential	3,097,067	2,771,300	2,384,451	2,420,206
Commercial/Industrial	734,025	808,852	794,929	932,003
Other	694,338	651,375	592,658	652,637
Dedicated Irrigation	744,143	703,976	549,094	607,091
Non-Revenue Water	182,881	250,615	343,829	277,897
Total	5,452,454	5,186,118	4,664,961	4,889,834
mgd equivalent	11.17	10.63	9.56	10.02

Per Capita Use	Actual FY 20-21 (gpcpd)	Actual FY 21-22 (gpcpd)	Actual FY 22-23 (gpcpd)	Actual FY 23-24 (gpcpd)
Residential	95	84	71	73
Gross (Less Recycled Water)	152	142	126	134

Facilities and Distribution

Storage Reservoirs

Designation	Type	Capacity (gallons)
Mayfield	Concrete	4,000,000
Boronda	Concrete	1,500,000
Corte Madera	Steel	1,500,000
Dahl	Steel	1,000,000
El Camino	Steel	2,500,000
Montebello	Steel	1,500,000
Park	Steel	1,000,000
Total		13,000,000

Wells

Name	Capacity (mgd)	Status
Eleanor Pardee	1.44	New – Operational
Library	0.86	New – Operational
El Camino Park	1.44	New – Operational
Fernando	1.01	Existing – Operational
Hale	2.09	Existing – Operational
Matadero	1.01	Existing – Operational
Peers	2.45	Existing – Operational
Rinconada	4.75	Existing – Operational
Total	15.05	

Note: All wells are designated Emergency/Standby at this time.

Interties

Name	No.	Diameter (in.)
East Palo Alto	1	6
Mountain View	2	6, 6
Stanford	2	8, 8
Purissima Hills WD	2	8, 12

Purissima Hills Water District

26375 Fremont Road
Los Altos Hills, California 94022-2699

Phone: (650) 948-1217 Fax: (650) 948-0961

Service Area

The Purissima Hills Water District provides service to two-thirds of the Town of Los Altos Hills, a rural community adjacent to the City of Palo Alto, and unincorporated county land on the southern boundary. The District serves predominantly single-family homes on minimum one-acre lots. The largest customer is Foothill College.

System

Profile

Area Size	4,600 acres
Service Population	6,245
Number of Accounts	2,139
Number of SF RWS Connections	2
Connections to SF RWS Mains	BDPL 3 and 4
Avg. Day Demand (mgd)	1.39
Avg. Day Purchases from SF RWS (mgd)	1.39
% Demand Met with SF RWS Supplies	100%
Maximum Local Water Production (mgd)	0
Alternative Supply Sources	None
Interties with Other Agencies	CWS - Los Altos District, City of Palo Alto
Local Storage (mg)	9.88
Days of Storage	All 4 distribution zones can meet the 8 hr criteria either separately or by pumping from zones with excess capacity

Summary

Purissima Hills Water District receives 100% of its water supply from two San Francisco/Hetch Hetchy turnouts located along the Foothill Expressway on the northern edge of the District. The SF RWS supply is gravity-fed through 18" transmission mains to the Deer Creek Pump Station and McCann Tanks at 250 feet above sea level.

All services within the District are gravity fed from tanks in the respective zones. The distribution system consists of 4 pressure zones, 11 tanks, 5 pumping stations, 15 pumps, and 80 miles of pipe.

Water Supply and Demand

Supply by Source	Actual FY 20-21 (ccf)	Actual FY 21-22 (ccf)	Actual FY 22-23 (ccf)	Actual FY 23-24 (ccf)
San Francisco Water	925,721	799,210	639,836	677,300
Recycled Water	0	0	0	0
Other	0	0	0	0
Total	925,721	799,210	639,836	677,300
Mgd equivalent	1.90	1.64	1.31	1.39

Demand by Sector				
Residential	823,222	746,898	572,579	610,361
Commercial/Industrial	2	0	0	0
Other	45,488	45,485	29,477	32,580
Dedicated Irrigation	5,089	4,814	0	0
Non-Revenue Water	51,920	2,013	393,421	34,359
Total	925,721	799,210	639,836	677,300
Mgd equivalent	1.90	1.64	1.31	1.39

Per Capita Use	Actual FY 20-21 (gpcpd)	Actual FY 21-22 (gpcpd)	Actual FY 22-23 (gpcpd)	Actual FY 23-24 (gpcpd)
Residential	274	249	160	200
Gross	308	266	178	222

Facilities and Distribution

Storage Reservoirs

Designation	Type	Capacity (gallons)
MC Tank 1	Steel	130,000
MC Tank 2	Steel	1,000,000
LC Tank 1	Steel	100,000
LC Tank 2	Cor-ten Steel	900,000
HH Tank	Concrete	3,100,000
E Tank	Steel	500,000

Designation	Type	Capacity (gallons)
A Tank 1	Redwood	200,000
A Tank 2	Cor-ten Steel	250,000
N Tank 1	Cor-ten Steel	200,000
N Tank 2	Cor-ten Steel	3,000,000
PM Tank	Cor-ten Steel	500,000
Total		9,880,000

Interties

Name	No.	Diameter (in.)
CWS - Los Altos	2	8, 12
City of Palo Alto	2	12, 12

City of Redwood City

Public Works Services Department
1400 Broadway
Redwood City, California 94063-2505
Phone: (650) 780-7464 Fax: (650) 780-7445
Web: http://www.redwoodcity.org/water

Service Area

Redwood City is located in south San Mateo County. The City of Redwood City owns and operates its own water utility, and supplies water beyond its City limits, to portions of the Town of Woodside, the City of San Carlos, and unincorporated areas of the County.

System

Profile

Area Size	35 square miles
Service Population	91,874
Number of Accounts	24,284
Number of SF RWS Connections	13
Connections to SF RWS Mains	Bay Crossing 1 and 2, BDPL 1, 2, and 5, BDPL 3 and 4
Avg. Day Demand (mgd)	8.23
Avg. Day Purchases from SF RWS (mgd)	7.71
% Demand Met with SF RWS Supplies	93.65%
Maximum Local Water Production (mgd)	0
Alternative Supply Sources	Recycled water for landscape irrigation, industrial, and dual plumbed uses
Interties with Other Agencies	CWS - Bear Gulch, CWS - Mid-Peninsula (San Carlos), Mid-Peninsula WD, Menlo Park
Local Storage (mg)	22
Days of Storage	2.2 days storage. – 4 of 28 pressure zones have no storage facilities. The 4 zones without storage have emergency interties with other water agencies.

Summary

The City of Redwood City purchases all of its potable water from the SF RWS via 13 active meter connections. Seven of the turnouts are located off Bay Division Pipelines 1, 2 and 5; one turnout is off BDPL 1, 2, 3, and 5; and five turnouts are off BDPL 3 and 4.

The distribution system consists of 28 separate pressure zones, 10 pump stations and 264.5 miles of water mains. Pumps are located at 7 of the 11 storage sites. In addition, there are permanent generators at the Glenloch, Peninsula 1, and Peninsula 2 tanks, and 2 portable generators on stand-by.

The City has a total of 10 emergency interties with California Water Service Bear Gulch and Mid-Peninsula Districts, Mid-Peninsula Water District, and the City of Menlo Park.

Water Supply and Demand

Supply by Source	Actual FY 20-21 (ccf)	Actual FY 21-22 (ccf)	Actual FY 22-23 (ccf)	Actual FY 23-24 (ccf)
San Francisco Water	4,137,728	3,855,958	3,536,397	3,761,997
Recycled Water	361,259	313,616	239,775	255,283
Other	0	0	0	0
Total	4,498,987	4,169,575	3,776,172	4,017,280
mgd equivalent	9.22	8.54	7.74	8.23

Demand by Sector				
Residential	2,860,045	2,554,867	2,397,558	2,542,162
Commercial/Industrial	532,901	576,384	555,171	590,301
Other	76,287	86,787	77,826	85,594
Dedicated Irrigation	701,616	619,822	451,770	513,107
Non-Revenue Water	328,138	331,715	293,847	286,116
Total	4,498,987	4,169,575	3,776,172	4,017,280
mgd equivalent	9.22	8.54	7.74	8.23

Per Capita Use	Actual FY 20-21 (gpcpd)	Actual FY 21-22 (gpcpd)	Actual FY 22-23 (gpcpd)	Actual FY 23-24 (gpcpd)
Residential	66	59	54	57
Gross (Less Recycled Water)	95	89	80	84

Facilities and Distribution

Storage Reservoirs

Designation	Type	Capacity (mg)
Easter Cross	Steel	0.10
Easter Bowl	Steel	1.20
Glenloch	Steel	0.09
Wilmington South	Steel	0.25
Cambridge	Steel	0.65
Lakeview	Concrete	1.00
Main City Zone	Concrete	8.00
Main City Zone	Concrete	3.75
Redwood Shores	Steel	3.20
Redwood Shores	Concrete	3.00
	Total	21.24

Interties

Name	No.	Diameter (in.)
CWS – Bear Gulch	2	6, 6
CWS – Mid-Peninsula	4	8, 8, 8, 12
CWS – Mid-Peninsula	2	Hydrant to Hydrant
Menlo Park	1	Hydrant to Hydrant
Mid-Pen WD	1	12

City of San Bruno

Public Works - Water Division
567 El Camino Real
San Bruno, California 94066
Phone: (650) 616-7065 Fax: (650) 794-1443
Web: https://www.sanbruno.ca.gov/456/Water

Service Area

The City of San Bruno is primarily an urban residential community located in San Mateo County with low density residential land uses in the west hillside areas and high density residential, commercial, and institutional land uses in the east towards San Francisco Bay.

System

Profile

Area Size	6.1 square miles
Service Population	44,745
Number of Accounts	11,206
Number of SF RWS Connections	5
Connections to SF RWS Mains	Crystal Springs # 2 and #3, San Andreas 1, 2, and 3, Sunset Pipeline
Avg. Day Demand (mgd)	2.77
Avg. Day Purchases from SF RWS (mgd)	2.62
% Demand Met with SF RWS Supplies	94.56%
Maximum Local Water Production (mgd)	1.90
Alternative Supply Sources	Local Groundwater
Interties with Other Agencies	North Coast CWD, CWS - South San Francisco
Local Storage (mg)	8.3
Days of Storage	2.5 – Length of storage based on loss of all sources of supply. All zones can meet the 8 hr criteria either separately or by pumping from zones with excess capacity. Well water could meet partial demand in an emergency.

Summary

The City of San Bruno water supply comes from three different sources – surface water purchased from San Francisco Public Utilities Commission (SFPUC), surface water purchased from North Coast County Water District (NCCWD), and ground water produced from the City's wells.

The San Bruno Water system consists of 5 surface water supply turnouts, 4 active groundwater wells, 8 storage tanks, 13 pressure zones, 8 booster pump stations, 31 pressure regulating stations, most of which are equipped with pressure reducing valves that regulate water from high pressure zones to lower pressure zones and approximately 116 miles of water mains ranging in sizes from 2 to 18 inches diameter.

Water Supply and Demand

Supply by Source	Actual FY 20-21 (ccf)	Actual FY 21-22 (ccf)	Actual FY 22-23 (ccf)	Actual FY 23-24 (ccf)
SF RWS - Customary	444,989	507,220	593,241	451,523
SF RWS - Supplemental	883,411	0	0	824,756
Local Groundwater	165,404	961,490	845,341	56,706
Surface Water	0	0	0	0
Recycled Water	0	0	0	0
Other	12,773	12,040	14,362	16,720
Total	1,506,577	1,480,750	1,452,944	1,349,705
mgd equivalent	3.09	3.03	2.98	2.77

Demand by Sector				
Residential	988,676	1,032,586	944,436	951,806
Commercial/Industrial	235,600	269,983	247,539	262,037
Other	82,914	72,182	58,940	61,951
Non-Revenue Water	199,387	105,999	187,667	73,911
Total	1,506,577	1,480,750	1,438,582	1,349,705
mgd equivalent	3.09	3.03	2.95	2.77

Per Capita Use	Actual FY 20-21 (gpcpd)	Actual FY 21-22 (gpcpd)	Actual FY 22-23 (gpcpd)	Actual FY 23-24 (gpcpd)
Residential	46	48	44	44
Gross	70	68	67	62

Facilities and Distribution

Storage Reservoirs

Designation	Type	Capacity (gallons)
Storage Tank 1	Steel	2,500,000
Storage Tank 3	Concrete	2,000,000
Storage Tank 4	Steel	1,000,000
Storage Tank 6	Steel	400,000
Storage Tank 6A	Steel	1,000,000
Storage Tank 7	Steel	400,000
Storage Tank 9	Steel	500,000
Storage Tank 10	Steel	500,000
Total		8,300,000

Wells

Name	Capacity (mgd)	Status
Well 15**	0.26	Active
Well 16**	0.72	Active
Well 17*	0.40	Active
Well 18**	0.29	Active
Well 20**	0.85	Active
Total	2.52	

Interties

Name	No.	Diameter (in.)
North Coast	2	21
CWS	1	8

City of San Jose
San Jose Municipal Water System - North

3025 Tuers Road
San Jose, California 95121
Phone: (408) 277-3671
Web: http://www.sjmuniwater.com

Service Area

Located in north central Santa Clara County, the North San Jose/Alviso service area is predominantly industrial with some residential and commercial land use.

System

Profile

Area Size	5.3 square miles
Service Population	45,559
Number of Accounts	2,400
Number of SF RWS Connections	2
Connections to SF RWS Mains	BDPL 3 and 4
Avg. Day Demand (mgd)	4.67 Potable and Recycled
Avg. Day Purchases from SF RWS (mgd)	3.89
% Demand Met with SF RWS Supplies	83.42%
Maximum Local Water Production (mgd)	0
Alternative Supply Sources	Ground Water and Recycled Water
Interties with Other Agencies	City of Santa Clara
Local Storage (mg)	6.0
Days of Storage	1.3 – Length of storage based on loss of all sources of supply. Can meet the required 8 hr. coverage with storage alone. Well water, normally used supplementally, could supply peak demand in an emergency

Summary

The North San Jose/Alviso water service area in the City of San Jose is supplied primarily by the SF RWS through two turnouts off the Bay Division Pipelines 3 and 4.
The SF RWS turnouts are equipped with emergency connections for a portable chlorinator.

The North San Jose/Alviso service area has two storage tanks and four wells capable of meeting average and peak flow demands that supplement the SF RWS supply during high flow periods. An intertie with the City of Santa Clara can be activated within 2 hours.

Other communities in the San Jose Municipal Water System are supplied primarily by water purchased from the Santa Clara Valley Water District, with supplemental supplies coming from local groundwater.

Water Supply and Demand

Supply by Source	Actual FY 20-21 (ccf)	Actual FY 21-22 (ccf)	Actual FY 22-23 (ccf)	Actual FY 23-24 (ccf)
San Francisco Water	2,039,631	2,004,207	1,817,070	1,899,283
Local Groundwater	15,197	14,866	15,394	15,761
Recycled Water	479,208	462,435	340,100	361,820
Other	0	0	0	0
Total	2,534,036	2,481,508	2,172,564	2,276,864
mgd equivalent	5.19	5.09	4.45	4.67

Demand by Sector				
Residential	808,654	754,495	738,698	749,179
Commercial/Industrial	834,956	849,963	746,654	817,612
Other	32,500	28,957	22,620	34,167
Dedicated Irrigation	715,964	708,871	554,144	572,065
Non-Revenue Water	141,962	138,222	110,448	103,841
Total	2,534,036	2,481,508	2,172,564	2,276,864
mgd equivalent	5.19	5.09	4.45	4.67

Per Capita Use	Actual FY 20-21 (gpcpd)	Actual FY 21-22 (gpcpd)	Actual FY 22-23 (gpcpd)	Actual FY 23-24 (gpcpd)
Residential	44	38	35	34
Gross (Less Recycled Water)	111	102	87	86

Facilities and Distribution

Storage Reservoirs

Designation	Type	Capacity (mg)
Storage Tank 1	Steel	3
Storage Tank 2	Steel	3
Total		6

Wells

Name	Capacity (mgd)	Status	Name	Capacity (mgd)	Status
Well 1	2.0	Standby	Well 3	2.0	Standby
Well 2	2.0	Active	Well 4	2.0	Active
			Total	8.0	

Interties

Name	No.	Diameter (in.)
Santa Clara	1	8

City of Santa Clara

1500 Warburton Avenue
Santa Clara, California 95050-3792
Phone: (408) 615-2000 Fax: (408) 247-0784
Web: http://santaclaraca.gov/waterandsewer

Service Area

The City of Santa Clara is located at the south end of the San Francisco Bay in Santa Clara County. The northern area of the City is predominantly commercial/industrial, while the southern part is primarily residential.

System

Profile

Area Size	19.3 square miles
Service Population	130,746
Number of Accounts	25,836
Number of SF RWS Connections	2
Connections to SF RWS Mains	BDPL 3 and 4
Avg. Day Demand (mgd)	18.75
Avg. Day Purchases from SF RWS (mgd)	2.74
% Demand Met with SF RWS Supplies	14.60%
Maximum Local Water Production (mgd)	23.3 – This volume is historically sustainable for 1 month but may not be sustainable for longer periods.
Alternative Supply Sources	Local Groundwater, Recycled Water
Interties with Other Agencies	Santa Clara Valley WD, San Jose Muni, SJWC, CWS – Los Altos District, Sunnyvale
Local Storage (mg)	28.8
Days of Storage	1 – Length of storage based on loss of all sources of supply. All zones can meet the 8 hr criteria either separately or by pumping from zones with excess capacity. Well water, normally used supplementally, could supply peak demand in an emergency.

* Average daily demand includes recycled water

Summary

The City of Santa Clara purchases water from SF RWS and SCVWD. Two SF RWS turnouts off BDPL 3 and 4 supply the Northside tank and booster station, which distributes water to the northernmost pressure zone of the City. Water from SCVWD is delivered to the southwest portion of the City through the Santa Clara Distributary.

Water from 19 active wells meet current drinking water standards without treatment and produce over half of the City's water supply.

The City also operates a recycled water system, which is part of the South Bay Water Recycling system. Tertiary treated effluent from the jointly owned San Jose-Santa Clara Regional Wastewater Facility (RWF) is available for landscape irrigation, commercial dual plumbing and certain industrial uses, distributed within Santa Clara by about 33 miles of pipeline.

Water Supply and Demand

Supply by Source	Actual FY 20-21 (ccf)	Actual FY 21-22 (ccf)	Actual FY 22-23 (ccf)	Actual FY 23-24 (ccf)
San Francisco Water	1,576,338	1,515,536	1,407,256	1,336,399
Santa Clara Valley WD	1,769,252	1,530,108	1,437,869	1,464,867
Local Groundwater	4,562,565	4,447,151	4,269,622	4,628,509
Recycled Water	1,545,861	1,602,429	1,490,135	1,721,154
Other	0	0	0	0
Total	9,454,016	9,095,223	8,604,882	9,150,929
mgd equivalent	19.37	18.64	17.63	18.75

Demand by Sector				
Residential	4,127,523	3,840,241	3,552,695	3,515,827
Commercial/Industrial	2,426,325	4,246,897	3,837,433	4,011,392
Other	2,401,508	859,031	821,334	871,558
Dedicated Irrigation	0	0	0	0
Non-Revenue Water	498,660	149,054	393,421	752,153
Total	9,454,016	9,095,223	8,604,882	9,150,929
mgd equivalent	19.37	18.64	17.63	18.75

Per Capita Use	Actual FY 20-21 (ccf)	Actual FY 21-22 (ccf)	Actual FY 22-23 (ccf)	Actual FY 23-24 (ccf)
Residential	62	56	53	53
Gross (Less Recycled Water)	124	117	110	116

Facilities and Distribution

Storage Reservoirs

Designation	Type	Capacity (mg)
Northside Tank 1	Steel	4.7
Northside Tank 2	Steel	4.7
Serra Tank 1	Steel	4.6
Serra Tank 2	Steel	4.4
Serra Tank 3	Steel	4.2
Downtown	Steel	4.2
Corporation Yard Tank	Steel	2.0
Total		28.8

Wells

Name	Capacity (mgd)	Status
Well 2-02	2.7	Active
Well 3-02	2.6	Active
Well 4	1.4	Active
Well 5-02	2.3	Inactive
Well 7	1.7	Active
Well 8	1.6	Active
Well 9-02	1.5	Active
Well 10	2.4	Active
Well 11	2.5	Inactive
Well 12	2.1	Active
Well 13-02	2.4	Active
Well 15	1.2	Active

Name	Capacity (mgd)	Status
Well 16-02	1.6	Inactive
Well 17-02	2.9	Active
Well 18-02	1.9	Active
Well 21	2.6	Inactive
Well 22-02	1.7	Active
Well 23	2.6	Inactive
Well 24	2.2	Active
Well 25	1.3	Active
Well 26	1.4	Inactive
Well 28	2.8	Active
Well 29	2.7	Active
Well 30	2.0	Active
Well 32	1.3	Standby
Well 34	1.4	Active
Total	55.5	

Interties

Name	No.	Diameter (in.)
SCVWD	1	10

Stanford University

560 Fremont Rd
Stanford, California 94305-7272
Phone: (650) 725-8030 Fax: (650) 723-3191
Web: https://suwater.stanford.edu

Service Area

The Stanford Sustainability, Utilities & Infrastructure Department supplies water to the campus area and nearby Stanford unincorporated lands.

System

Profile

Area Size	3.1 square miles
Service Population	37,329*
Number of Accounts	n/a
Number of SF RWS Connections	3
Connections to SF RWS Mains	BDPL 3 and 4, 1 turnout off Palo Alto pipeline
Avg. Day Demand (mgd)	2.54
Avg. Day Purchases from SF RWS (mgd)	1.49
% Demand Met with SF RWS Supplies	58.87% (100% of domestic water)
Average Day Local Water Production (mgd)	1.1
Alternative Supply Sources	Local groundwater, surface water, stormwater, construction dewatering, recycled water**
Interties with Other Agencies	Palo Alto
Local Storage (mg)	8
Days of Storage	2.5 to 4 – All 3 zones can meet the 8 hr criteria either separately or by pumping from zones with excess capacity. Wells can supply an additional 3.7 mgd in an emergency.

*Average daytime population is used for current and future projections.

** In FY-08-09, Stanford completed a recycled water plant that treats wastewater from the former Cogeneration Facility cooling tower blow-down for reuse for toilet and urinal flushing in new buildings. The plant was decommissioned in 2015 with the construction of the Stanford Energy System Innovations (SESI) Central Energy Facility. Source water for the recycled water system was lost but the infrastructure remains and can resume using recycled water once another source is established.

Summary

Stanford has five sources of water supply: purchased potable water from the SF RWS, groundwater, non-potable surface water from the local watershed, stormwater/runoff capture, and recycled water.

SF RWS water is delivered through two turnouts off BDPL 3 and 4 and one turnout off the Palo Alto pipeline. There are four wells located on Stanford property that could be used in an emergency. Three of the wells are in compliance with all drinking water standards, while the fourth well is “standby”, since its manganese levels exceed current standards.

Stanford also has a non-potable (irrigation) water system that supplies more than 80% of its irrigation needs, significantly reducing Stanford’s use of potable water for irrigation. This system is historically supplied by Stanford’s surface water diversions and supplemented by ground water.

The extent of ground water use depends on the amount of rainfall and resulting surface water supply availability. Starting in FY 2017-18 Annual Surveys, additional tracking of captured construction dewatering water for use as irrigation water is also included (other, non-potable alternative water supply). The lake water system can also be supplied as needed by SF RWS water.

Water Supply and Demand

Supply by Source	Actual FY 20-21 (ccf)	Actual FY 21-22 (ccf)	Actual FY 22-23 (ccf)	Actual FY 23-24 (ccf)
San Francisco Water	659,830	714,224	677,245	729,329
Local Groundwater	0	0	0	0
Recycled Water	0	0	0	0
Surface Water	0	0	0	0
Other	538,983	513,069	544,139	509,602
Total	1,198,813	1,227,293	1,221,384	1,238,931
mgd equivalent	2.46	2.52	2.50	2.54

Note: The sources of water contributing to the non-potable irrigation water system have been tracked through various methods in order to fit within the format of the Annual Survey. Prior to the 2014-2015 Annual Survey, the volume entering storage was subtracted from total surface water diverted and water used from storage. Prior to the 2015-2016 Annual Survey, all water coming from storage was assumed to be surface water. In order to better reflect the sources of water used in the non-potable irrigation system, beginning in the 2015-2016 Annual Survey the source of stored water is being accounted for by tracking the volume of groundwater that enters and is used from storage. Assumptions for this new method include a starting point of zero groundwater in the non-potable irrigation system storage as of July 2013, surface water entering storage first, and groundwater used from storage first. In the FY 2017-18 and FY 2018-19 Annual Survey, additional tracking of captured construction dewatering water for use as irrigation water is also included (other, non-potable alternative water supply).

Demand by Sector				
Residential	383,290	281,216	402,723	415,217
Commercial/Industrial	72,869	72,962	65,310	78,216
Other	123,189	154,952	283,297	232,818
Dedicated Irrigation	540,451	540,451	425,485	465,802
Non-Revenue Water	79,014	78,911	44,569	46,878
Total	1,198,813	1,228,492	1,221,384	1,238,931
mgd equivalent	2.46	2.52	2.50	2.54

Notes: The new SESI Central Energy Facility uses 70% less water than the former Cogeneration Facility, which caused the commercial/industrial demand to decrease beginning in April 2015.
Due to the differing bill period schedules of SFPUC and Stanford, reporting for the Annual Surveys between 2011 and 2015 included the difference between Production and total Consumption within the customer categories. The difference between Production and Consumption totals includes both the different bill period schedules of SFPUC and Stanford, and actual unaccounted for water. Beginning in the 2015-2016 Annual Survey the full difference is reported in the "Non-Revenue Water" category.

Per Capita Use	Actual FY 20-21 (gpcpd)	Actual FY 21-22 (gpcpd)	Actual FY 22-23 (gpcpd)	Actual FY 23-24 (gpcpd)
Residential	n/a	n/a	n/a	n/a
Gross	180	78	74	68

Note: Due to its unique service area, Stanford's residential per capita numbers are excluded.

Facilities and Distribution

Storage Reservoirs

Designation	Type	Capacity (gallons)
Foothill 1		2,000,000
Foothill 2		6,000,000
Reservoir 3 (Formerly San Juan*)		1,500,000
Total		9,500,000

*Rehabilitated reservoir was brought into service in November 2019.

Wells

Name	Capacity (gpm)	Status
Well 1	500	Active
Well 2	500	Active
Well 3R	1200	Active
Well 4R	400	Inactive
Well 5	500	Standby
Total	3100**	

Interties

Name	No.	Diameter (in.)
Roth Way	1	8
Sandhill	1	8

**Actual total well capacity will be less than total indicated. Simultaneous pumping of wells will affect the individual well pumping rates. Wells are periodically taken out of service for maintenance

City of Sunnyvale

Environmental Services Department
P.O. Box 3707
Sunnyvale, California 94088-3707
Phone: (408) 730-7510 Fax: (408) 736-1611
Web: http://sunnyvale.ca.gov/Departments/EnvironmentalServices/Water.aspx

Service Area

The City of Sunnyvale is an urban industrial and residential community located at the south end of the Peninsula in Santa Clara County, with a service area for the water utility contiguous with its city limits. California Water Service also serves several small areas within the City.

System

Profile

Area Size	24 square miles
Service Population	157,566
Number of Accounts	29,413
Number of SF RWS Connections	6
Connections to SF RWS Mains	BDPL 3 and 4
Avg. Day Demand (mgd)	16.65
Avg. Day Purchases from SF RWS (mgd)	9.40
% Demand Met with SF RWS Supplies	56.43%
Maximum Local Water Production (mgd)	0.12
Alternative Supply Sources	Local Groundwater
Interties with Other Agencies	CWS – Los Altos District, SCVWD, Mountain View, Cupertino
Local Storage (mg)	27.5
Days of Storage	More Than 1 Day – Length of storage based on loss of all sources of supply. With loss of SF RWS supply only, City can utilize wells, SCVWD or excess capacity from other zones to meet 8 hour outage.

Summary

Sunnyvale's water utility receives water supplied from SF RWS via 6 turnouts off BDPL 3 and 4 in the northern section of the City. The SCVWD connections are located in the far southwest corner of the City. Water from SCVWD is primarily served from the District's Rinconada WTP. A few formerly unincorporated County of Santa Clara pockets are currently served by CWS, backed up by interties with the City.

Groundwater is provided by 6 active wells, and 1 well on stand-by status. Water from these wells meets all current drinking water standards without treatment. The wells are used to meet peaking requirements and to supply water for fire and other emergencies. Due to the overall cost of producing well water, including pump tax, power, operation and maintenance expenses, and amortization, it is cost-effective for the City to maximize use of water from SF RWS and SCVWD.

The City has 8 ground storage tanks, with a minimum of 1 storage tank in every zone, and 2 additional tanks that are inactive located at a water plant in the City.

The potable distribution system is completely interconnected and includes 3 pressure zones, 13 booster pumps, 3,310 fire hydrants, more than 10,000 manual and automatic valves, and 280 miles of mains. Recycled non-potable water is used for irrigation services.

Water Supply and Demand

Supply by Source	Actual FY 20-21 (ccf)	Actual FY 21-22 (ccf)	Actual FY 22-23 (ccf)	Actual FY 23-24 (ccf)
San Francisco Water	4,686,275	4,490,365	3,866,964	4,585,694
Santa Clara Valley WD	4,051,093	3,561,374	3,493,579	3,475,209
Local Groundwater	36,312	58,775	54,637	65,880
Surface Water	0	0	0	0
Recycled Water	83,796	134,003	53,557	0
Other	0	0	0	0
Total	8,857,476	8,244,518	7,468,737	8,126,783
mgd equivalent	18.15	16.90	15.31	16.65

Demand by Sector				
Residential	5,120,577	4,578,634	4,218,393	4,301,134
Commercial/Industrial	1,495,257	1,525,048	1,420,780	1,469,388
Other	100,508	90,000	79,468	92,986
Dedicated Irrigation	1,689,040	1,370,146	1,139,508	1,323,627
Non-Revenue Water	452,095	680,690	610,588	939,648
Total	8,857,476	8,244,518	7,468,737	8,126,783
mgd equivalent	18.15	16.90	15.31	16.65

Per Capita Use	Actual FY 20-21 (gpcpd)	Actual FY 21-22 (gpcpd)	Actual FY 22-23 (gpcpd)	Actual FY 23-24 (gpcpd)
Residential	67	60	55	56
Gross (Less Recycled Water)	115	106	97	106

Facilities and Distribution

Storage Reservoirs

Designation	Type	Capacity (gallons)
Wolfe-Evelyn	Steel	5,000,000
Mary-Carson 1	Steel	5,000,000
Mary-Carson 2	Steel	5,000,000
Wright Avenue 1	Steel	5,000,000
Wright Avenue 2	Steel	5,000,000

Designation	Type	Capacity (gallons)
Central 1	Steel	500,000
Central 2	Steel	500,000
Hamilton 1	Steel	500,000
Hamilton 2	Steel	500,000
Hamilton 3	Steel	500,000
Total		27,500,000

Wells

Name	Capacity (mgd)	Status
Westmoor	0.8	Active
Serra	0.9	Active
Ortega	2.0	Active
Raynor	2.7	Active
Hamilton (1).	2.0	Active
Hamilton (2).	2.0	Active
Losse		Standby
Central	0.7	Destroyed
Schroeder		Destroyed
Total	11.1	

Interties

Name	No.	Diameter (in.)
SCVWD	2	30, 12
Santa Clara	3	10
	2	12
	1	8
CWS	5	6
	1	8
Cupertino	1	12
Mountain View	2	8
	1	6

Westborough Water District

2263 Westborough Boulevard
South San Francisco, California 94080-5406

Phone: (650) 589-1435 Fax: (650) 589-5167
Web: http://www.westboroughwater.org

Service Area

The Westborough Water District is located within the City of South San Francisco in north San Mateo County. The District provides both water and sewer service and has an agreement with the North San Mateo County Sanitation District for sewage disposal and facility maintenance.

System

Profile

Area Size	1 square mile
Service Population	13,486
Number of Accounts	3,952
Number of SF RWS Connections	1
Connections to SF RWS Mains	San Andreas 1, 2, and 3
Avg. Day Demand (mgd)	0.68
Avg. Day Purchases from SF RWS (mgd)	0.68
% Demand Met with SF RWS Supplies	100%
Maximum Local Water Production (mgd)	0
Alternative Supply Sources	None
Interties with Other Agencies	North Coast CWD, Daly City
Local Storage (mg)	6.5
Days of Storage	6.5 – All zones can meet the required 8 hr. coverage. During emergencies, District also has access to an additional 3.5 mg in storage owned by North Coast WD.

Summary

The Westborough Water District receives its entire water supply from the San Francisco Public Utilities Commission through a single 6" turnout located on Westborough Boulevard. This water is distributed to 3 Skyline storage tanks located at the north end of the district, from which the Skyline Pump Station pumps water to the Christen Hill Reservoir for gravity distribution to Zone 3, and the Main Water Pump Station pumps water to Zones 1 and 2.

The Christen Hill Reservoir is shared with the North Coast County Water District.

The WWD distribution system includes 3 storage tanks, 2 pumping stations, 5 pumps, and 24 miles of mains. In addition to the Christen Hill Reservoir intertie with NCCWD, the district has an intertie with Daly City.

Water Supply and Demand

Supply by Source	Actual FY 20-21 (ccf)	Actual FY 21-22 (ccf)	Actual FY 22-23 (ccf)	Actual FY 23-24 (ccf)
San Francisco Water	373,994	301,090	339,960	332,246
Local Groundwater	0	0	0	0
Surface Water	0	0	0	0
Recycled Water	0	0	0	0
Other	0	26,041	0	0
Total	373,994	327,131	339,960	332,246
mgd equivalent	0.77	0.67	0.70	0.68

Demand by Sector				
Residential	298,605	272,559	261,062	264,166
Commercial/Industrial	28,811	30,987	33,612	34,131
Other	9	0	0	0
Dedicated Irrigation	43,134	35,092	26,790	39,905
Non-Revenue Water	3,435	-11,507	19,239	-5,956
Total	373,994	327,131	339,960	332,246
mgd equivalent	0.77	0.67	0.70	0.68

Per Capita Use	Actual FY 20-21 (gpcpd)	Actual FY 21-22 (gpcpd)	Actual FY 22-23 (gpcpd)	Actual FY 23-24 (gpcpd)
Residential	45	41	40	40
Gross	57	50	52	50

Facilities and Distribution

Storage Reservoirs

Designation	Type	Capacity (mg)
SS Tank 1	Steel	1.5
SS Tank 2	Steel	2.5
SS Tank 3	Steel	2.0
CH Reservoir	Steel	0.5
Total		6.5

Interties

Name	No.	Diameter (in.)
North Coast	1	8
Daly City	1	12