

ANNUAL SURVEY



April
2016

Fiscal Year 2014-15

BAWSCA
Bay Area Water Supply & Conservation Agency

Bay Area Water Supply and Conservation Agency FY 2014-15

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

APRIL 2016

BAWSCA WATER FACTS AT-A-GLANCE – FY 2014-15

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	742,060	16
Santa Clara County	117	534,940	8
Alameda County	166	496,889	2
Total	468	1,773,889	26

Supply by Source

	ccf	mgd	af	%
San Francisco RWS	61,729,337	126.50	141,711	65.0%
Groundwater	12,174,712	24.95	27,228	12.8%
Surface Water	1,023,466	2.10	2,350	1.1%
Recycled Water	3,495,145	7.16	8,024	3.7%
Other Sources	16,580,191	33.98	38,063	17.5%
Total	95,002,851	194.69	218,097	100.0%

Demand by Sector

	ccf	mgd	af	%
Residential	55,517,691	113.77	127,451	58.4%
Commercial/Industrial	21,643,368	44.35	49,686	22.8%
Government/Institutional/Other	5,086,901	10.42	11,678	5.4%
Dedicated Irrigation	8,022,641	16.44	18,417	8.4%
Unaccounted for	4,732,250	9.70	10,864	5.0%
Total	95,002,851	194.69	218,097	100.0%

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

Cover photo: O'Shaughnessy Dam, June 2011. Image Courtesy of the Director Rob Guzzetta.

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Annual Survey

FISCAL YEAR 2014-15

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, and 2 private water providers that provide water to over 1.7 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.

Additionally, 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 an equal 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 738,000 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.

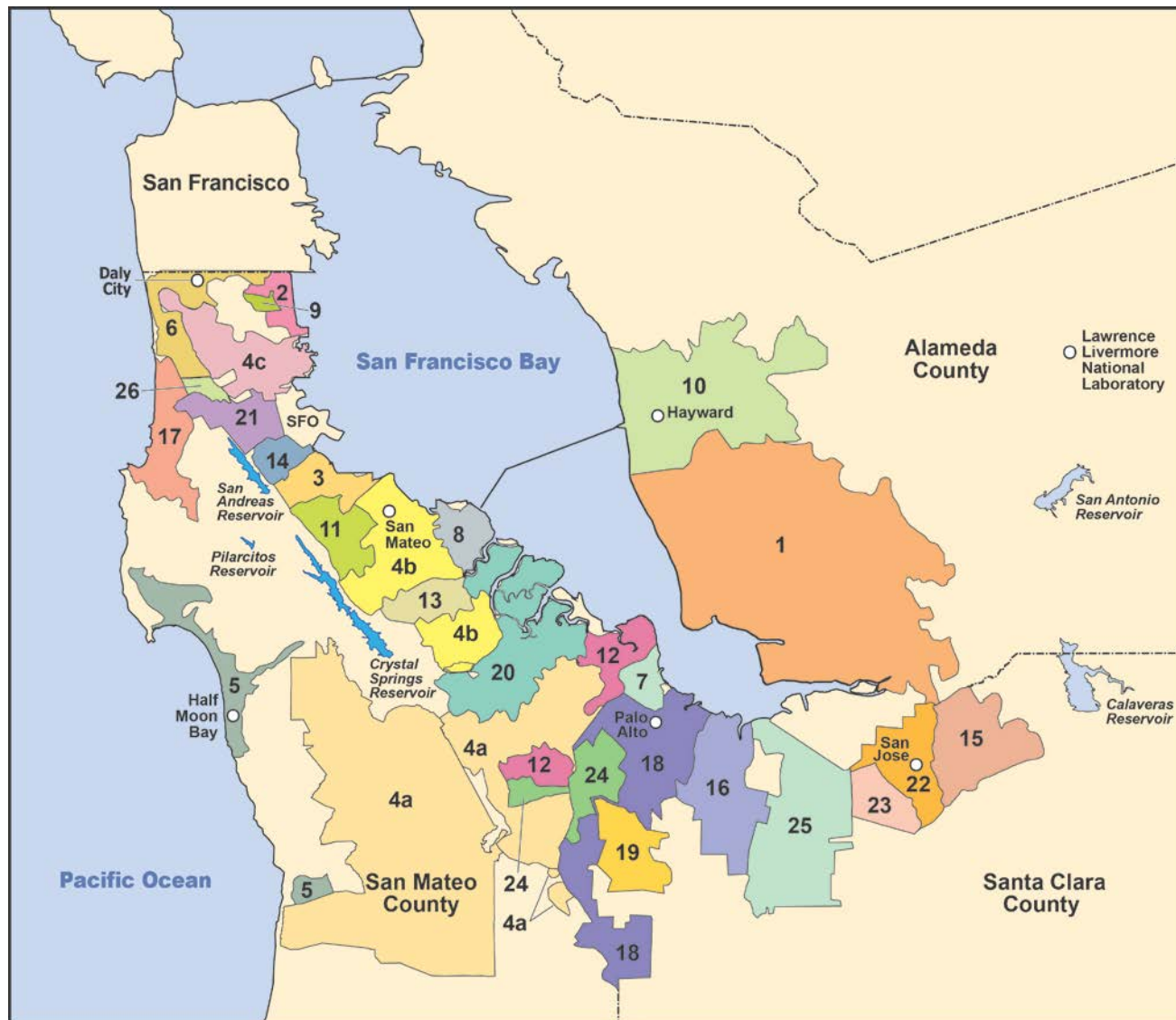
Santa Clara County

In Santa Clara County, BAWSCA and its member agencies serve a population of approximately 535,000 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 497,000 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

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

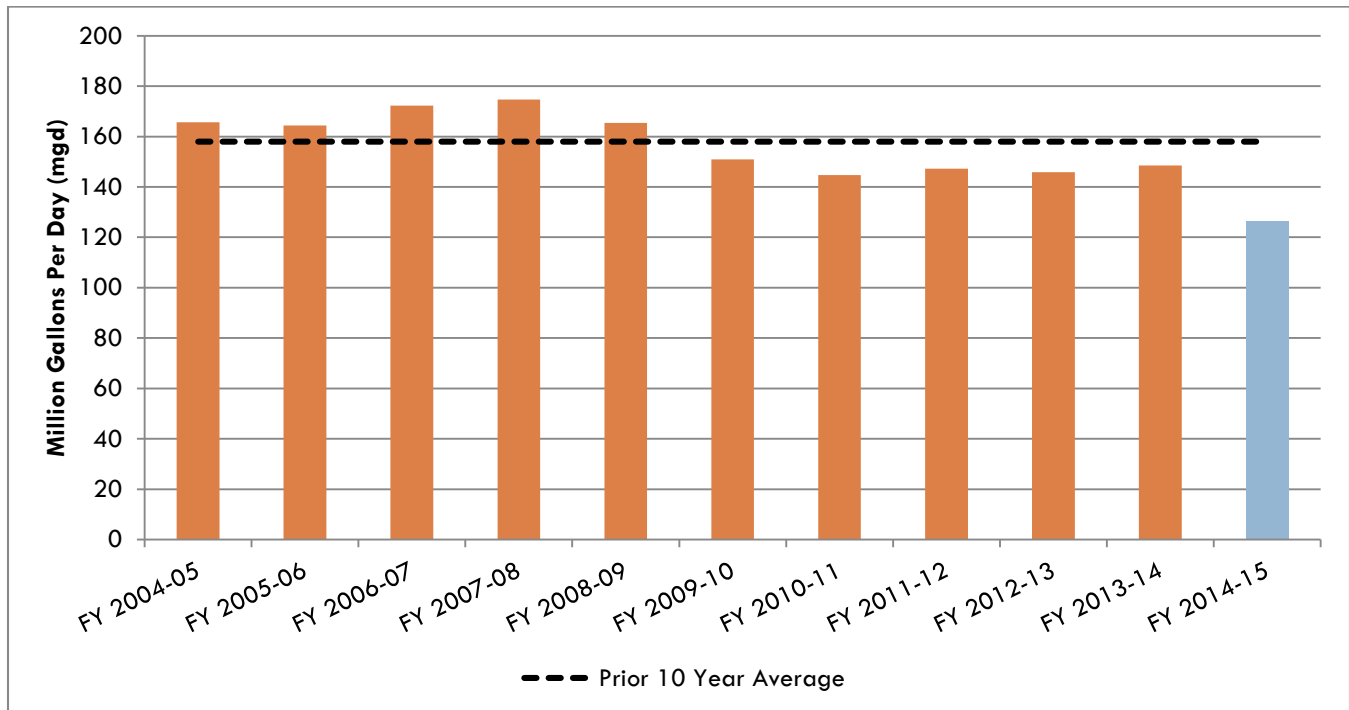
- ☐ Current water supply from each source
- ☐ Current and projected water purchases from SF RWS
- ☐ Projected water supplies and demands
- ☐ Consumption by customer class
- ☐ Current and projected population
- ☐ Per capita water use
- ☐ Single family water bills and rate structures
- ☐ BAWSCA member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

PURCHASES FROM SF RWS

Current Water Purchases from SF RWS

The San Francisco Public Utilities Commission (SFPUC) operates that SF RWS, which is the major source of supply for BAWSCA member agencies. In FY 2014-15, the BAWSCA member agencies reported SF RWS purchases of 126.5 mgd, 15% lower than the total of 148.5 mgd purchased in FY 2013-14. Compared with the prior ten-year average, total purchases in FY 2014-15 were below average by 31.4 mgd. When compared to FY 2006-07, the highest year in the prior ten-year period, FY 2014-15 purchases were lower by 45.7 mgd, a difference of about 27%. The highest single year SF RWS purchases occurred in FY 1986-87 when the BAWSCA member agencies purchased 184.8 mgd from the SF RWS.

Figure ES-1: Past and Current SF RWS Purchases, Including Supplemental Purchases



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 through 2018. In June 2014, BAWSCA notified the SFPUC that the projected BAWSCA member agency purchases in 2018 are expected to be 171.8 mgd.

Water Use Reductions in Response to Statewide Drought

On January 17, 2014, Governor Brown proclaimed a State of Emergency and directed state officials to take all necessary actions to prepare for drought conditions. On January 31, 2014, SFPUC asked all customers of the SF RWS to voluntarily curtail water consumption. The goal was to reduce system-wide usage by 10%, from 157.4 mgd projected BAWSCA member agency calendar year 2014 water purchases to 141.7 mgd. This

BAWSCA agencies reduced their SF RWS water purchases by 19% in FY 2014-15, exceeding the SF RWS 10% water use reduction target.

request was extended through calendar year 2015. Consistent with its Urban Water Management Plan, the SFPUC implements rationing in early years of a drought to provide for sufficient supplies should a multiple year drought occur. The BAWSCA member agencies exceeded the 10% target and achieved a total water savings of 19% (29.4 mgd) in FY 2014-15 (Source: SFPUC Commercial Division Records).

On April 1, 2015, Governor Brown issued an executive order directing the State Water Resources Control Board (SWRCB) to implement mandatory water reductions across California to reduce water usage by 25 percent. In accordance with the Executive Order, the SWRCB adopted an emergency regulation for statewide water conservation in May 2015. The regulation established mandatory water use reduction targets, referred to as "conservation standards", for each urban water supplier in California, in order to achieve a statewide 25% reduction in potable water use. Individual water suppliers' conservation standards were established based on summer 2014 residential per capita water use. These standards range from 8 percent to 36 percent. Through the initial compliance period of June 2015 to February 2016, BAWSCA agencies reduced total potable water use by 27% as compared to the same months in 2013.

TOTAL WATER SUPPLY AND DEMAND

Current Water Supply by Source

The sources of supply used by BAWSCA member agencies are very consistent, varying by less than 2% from one year to the next. Of the total amount of water used by BAWSCA agencies in FY 2014-15, 65.0% came from the SF RWS and 35.0% came from other sources. These other sources included:

- ☐ Groundwater (24.95 mgd, 12.5%);
- ☐ Local surface water, primarily from ACWD's take from Lake Del Valle (2.10 mgd, 1.1%);
- ☐ Other supplies from the Santa Clara Valley Water District, the State Water Project, and ACWD's brackish water desalination (33.98 mgd, 17.5%); and
- ☐ Recycled water (7.16 mgd, 3.7%).

Figure ES-2: FY 2014-15 Water Use by Source

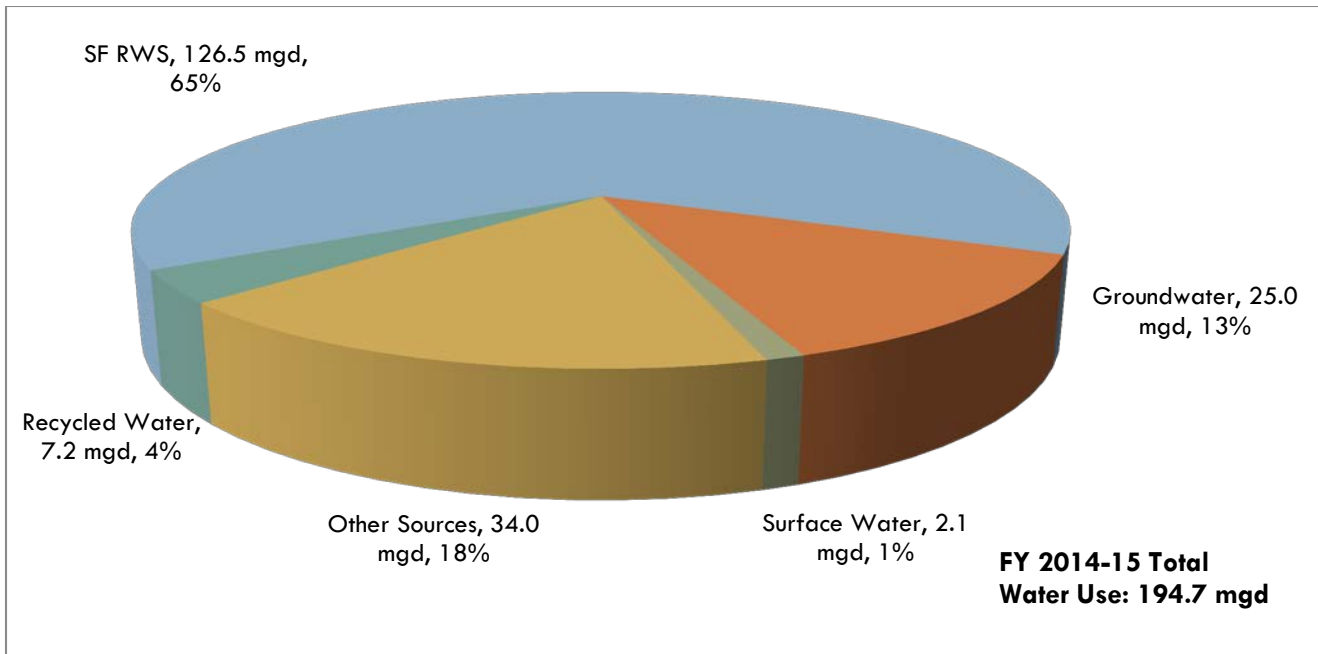
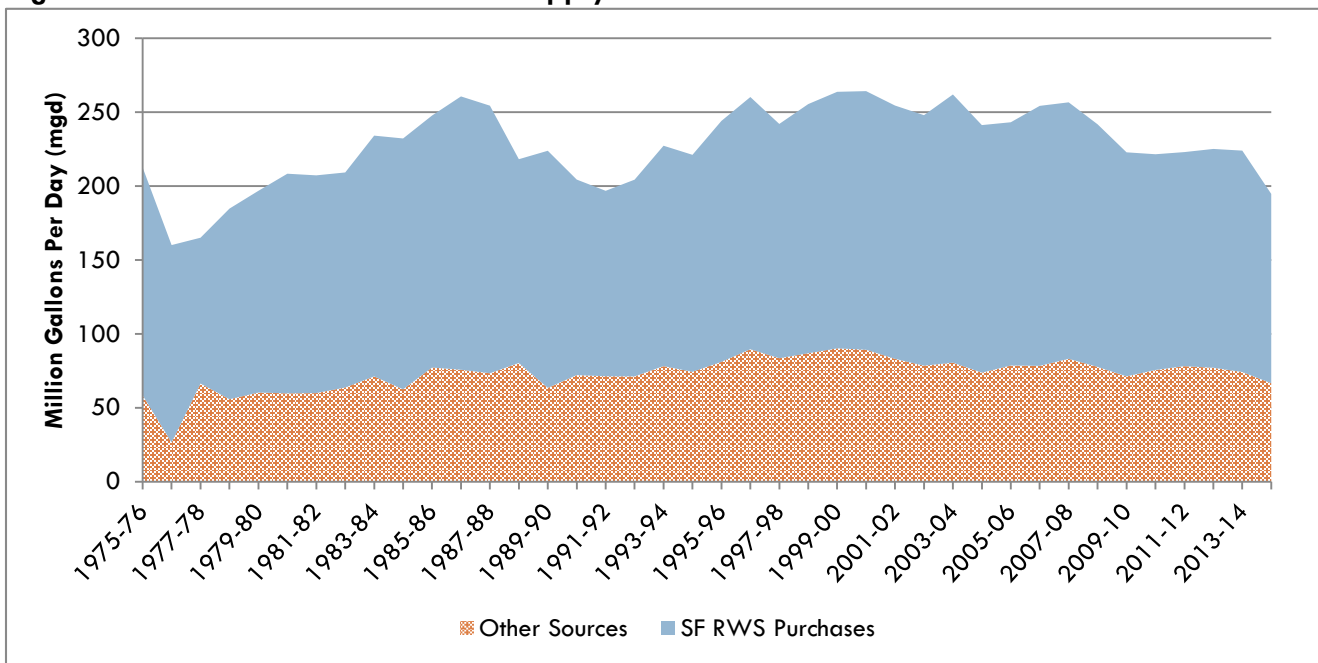
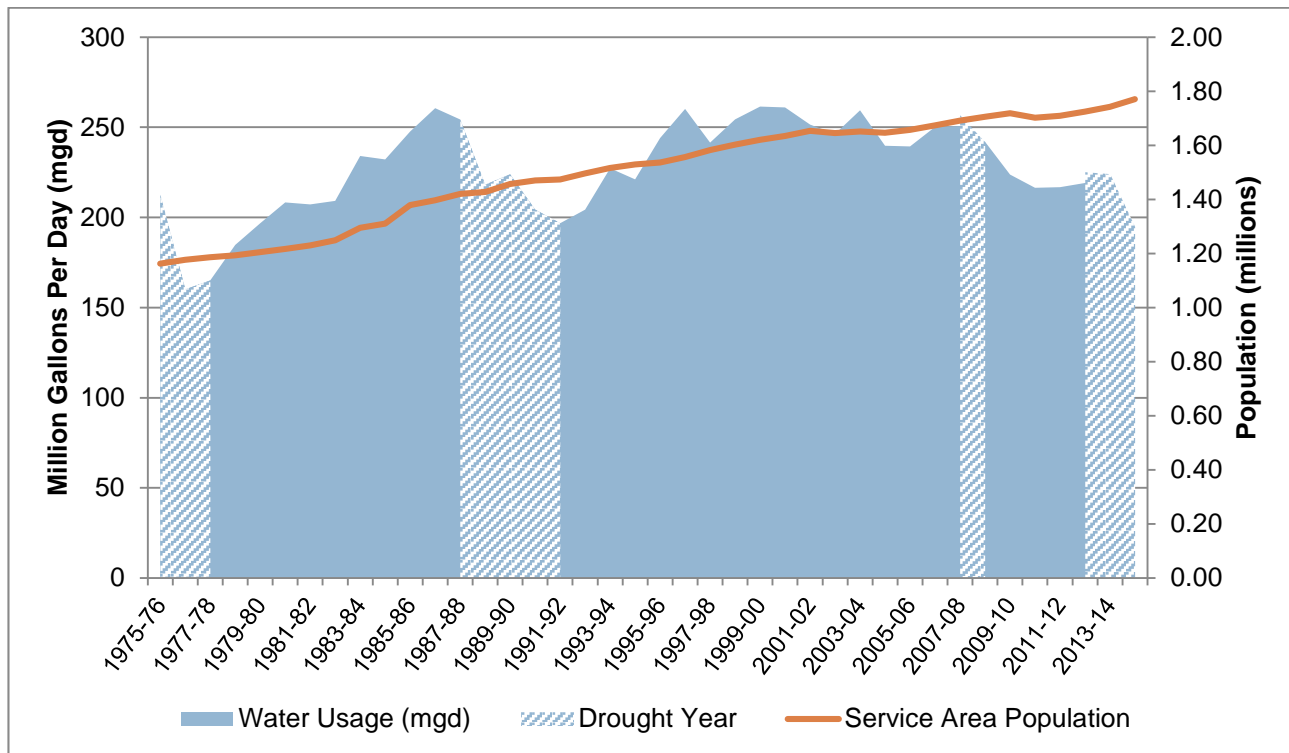


Figure ES-3: Past and Current Water Supply



Current BAWSCA-Wide Total Water Demand

For FY 2014-15, total water demand in the BAWSCA service area, including SFPUC purchases and other sources, was 194.7 mgd. In comparison, in FY 1996-97, BAWSCA-wide demand reached 260 mgd. When compared to FY 2012-13, the year immediately preceding the Governor's drought proclamation, water used in the BAWSCA service area was 14% less. Since 1986, 25% less water is used today in the service area despite a 27% 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 292.3 mgd by FY 2040-41 (Source: FY 2014-15 Annual Survey). Of the total water demand, 9.6 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 173.9 mgd in FY 2040-41. Recycled water supplies are projected to increase by 170% to 19.3 MGD by FY 2040-41.

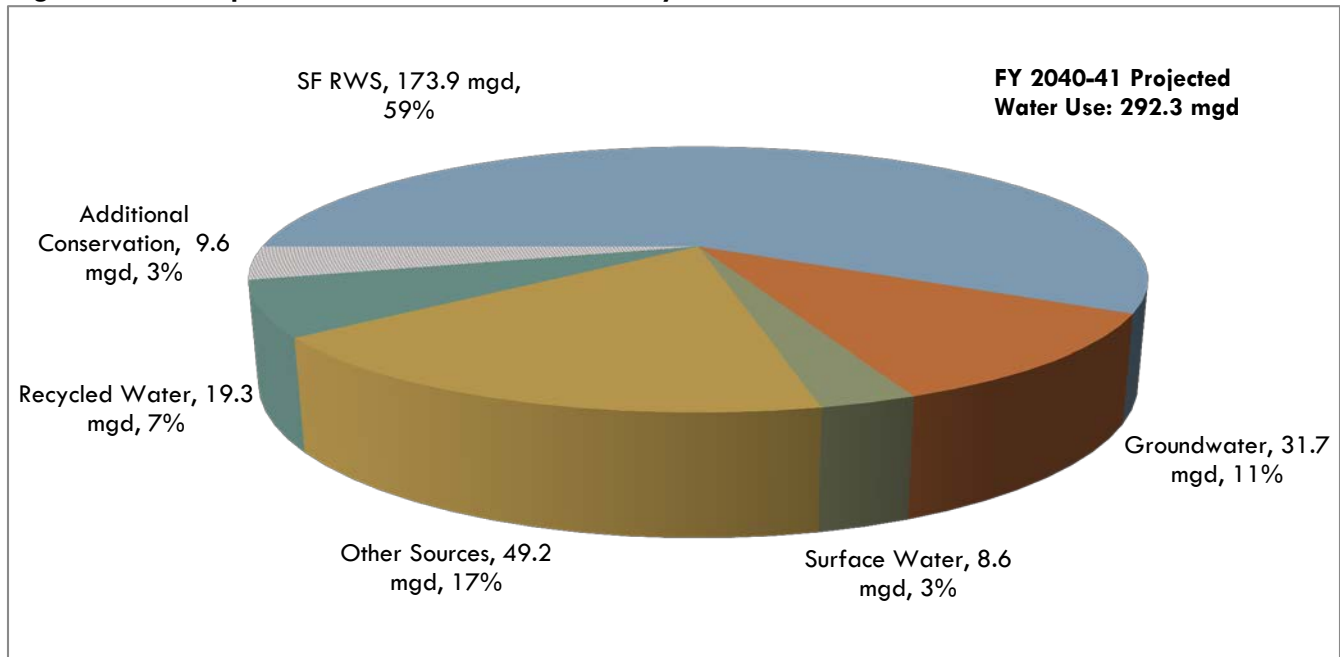
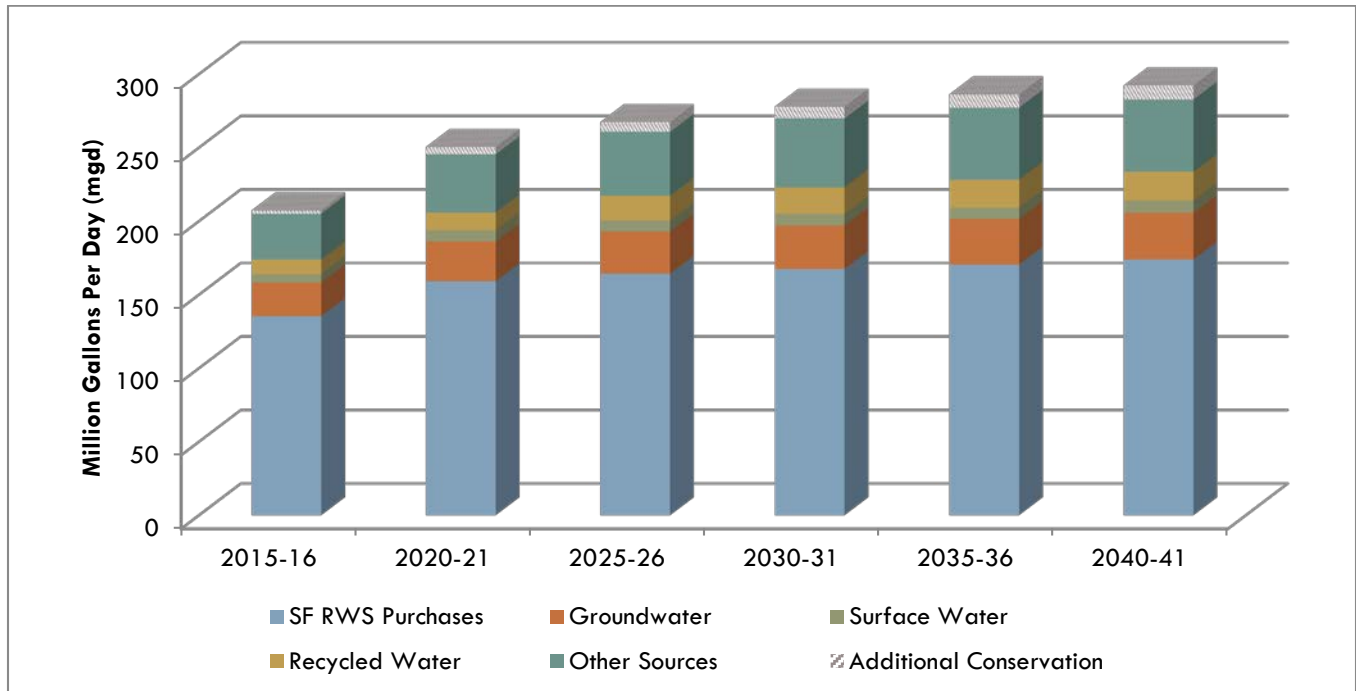
Figure ES-5: Projected FY 2040-41 Water Use by Source

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

Meeting Projected Dry Year Water Demands

BAWSCA's recently completed Long-Term Reliable Water Supply Strategy Phase II Final Report (Strategy) does not project a regional need for additional water supplies to meet normal year demands through 2040. However, the Strategy identifies reliability shortfalls on the SF RWS of up to 43 mgd in dry years during the same planning period, resulting in system-wide SF RWS supply cutbacks of up to 20%. The Strategy identifies nine specific projects in five categories, which, if all projects were successfully implemented, would effectively meet the 43 mgd dry year supply need.

BAWSCA's Long Term Reliable Water Supply Strategy identifies water supply options to meet potential dry year supply shortfalls of up to 43 mgd.

The Strategy identifies 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 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.

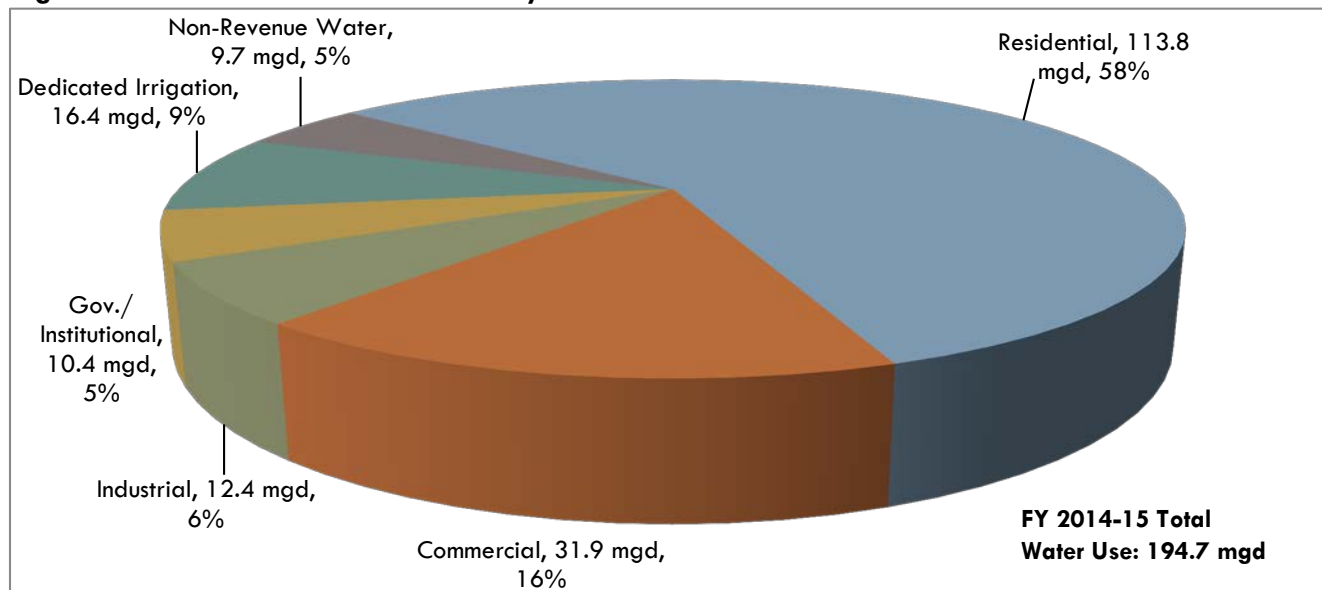
CURRENT WATER USE BY CLASS OF CUSTOMER

As with the source of supply, BAWSCA's demand by customer class is relatively consistent over time. Of the 194.7 mgd consumed among BAWSCA agencies in FY 2014-15, the residential sector accounted for 58.4% (113.8 mgd); Commercial and industrial customers for 22.8% (44.4 mgd); government, institutional and other

customers for 5.4% (10.4 mgd); dedicated irrigation for 8.4% (16.4 mgd); and non-revenue water for 5.0% (9.7 mgd).

In FY 2014-15, there were 433,661 accounts (service connections) in the entire BAWSCA service area, 87%, or 378,631, of which were residential.

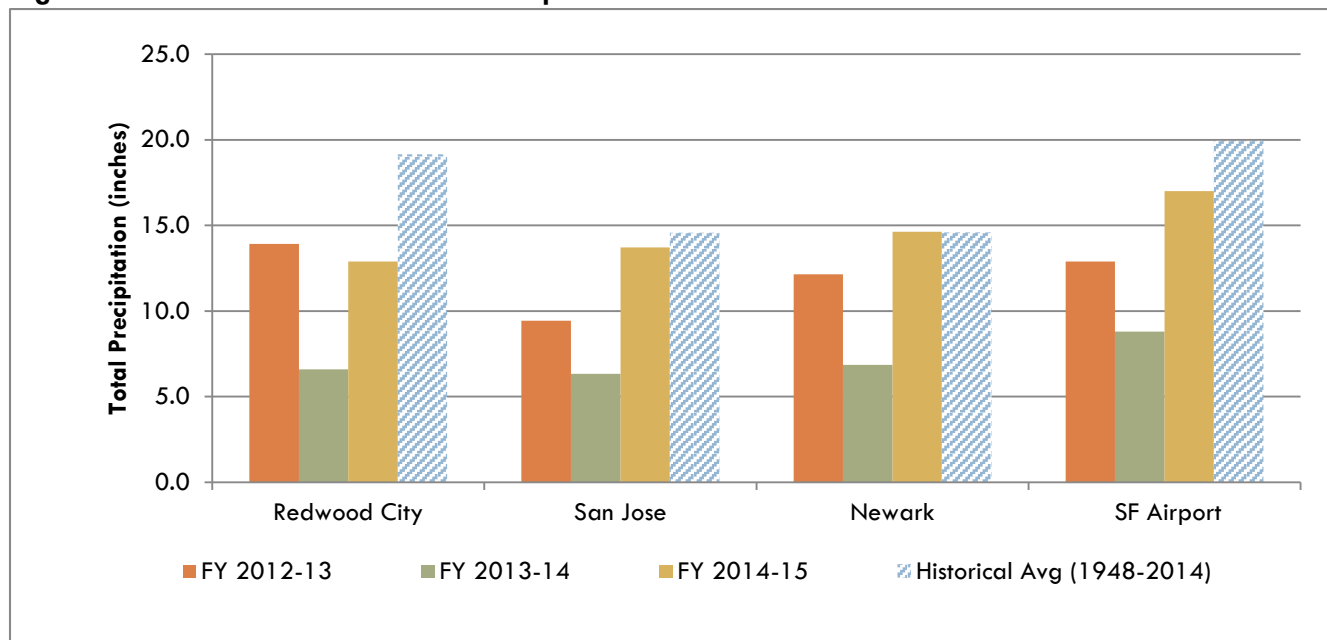
Figure ES-7: FY 2014-15 Water Use by Customer Class



CLIMATE DATA

In FY 2014-15, rainfall totals recorded at 4 representative locations in the BAWSCA service area were, on average, 15% lower than the historical average from 1948 - 2014. In FY 2012-13 and FY 2013-14 rainfall totals recorded at these locations were also below average by 29% and 58% respectively.

Figure ES-8: Historic and Current Precipitation Levels



POPULATION AND PER CAPITA WATER USE

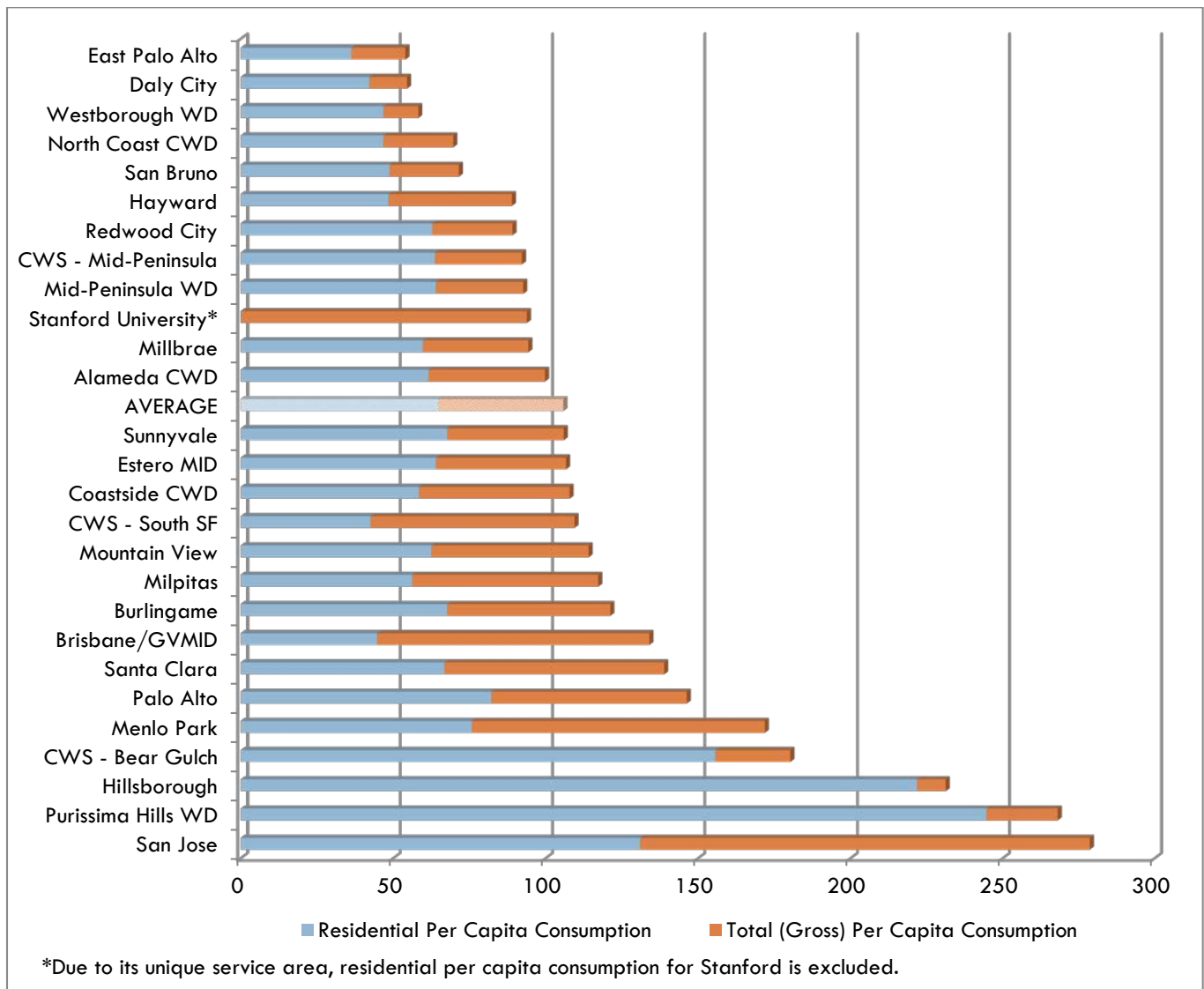
The population of the BAWSCA service area is estimated to have increased from 1,742,697 to 1,773,889 between FY 2013-14 and FY 2014-15. The BAWSCA service area population is projected to reach 2,223,154 by FY 2040-41.

Average residential per capita consumption (excluding Stanford) in the BAWSCA service area was 64.7 gpcd in FY 2014-15, 16% less than the year before. This is 44% less than the estimated peak residential per capita consumption of 114.9 gpcd in FY 1975-76. In FY 2014-15, East Palo Alto had the lowest residential per capita consumption at 36.2 gpcd while Purissima Hills Water District had the highest at 244.6 gpcd.

In FY 2014-15, eight BAWSCA member agencies had a residential per capita water use of less than 50

The average gross per capita consumption in the BAWSCA service area was 105.7 gpcd in FY 2014-15, 15% lower than FY 2013-14. 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

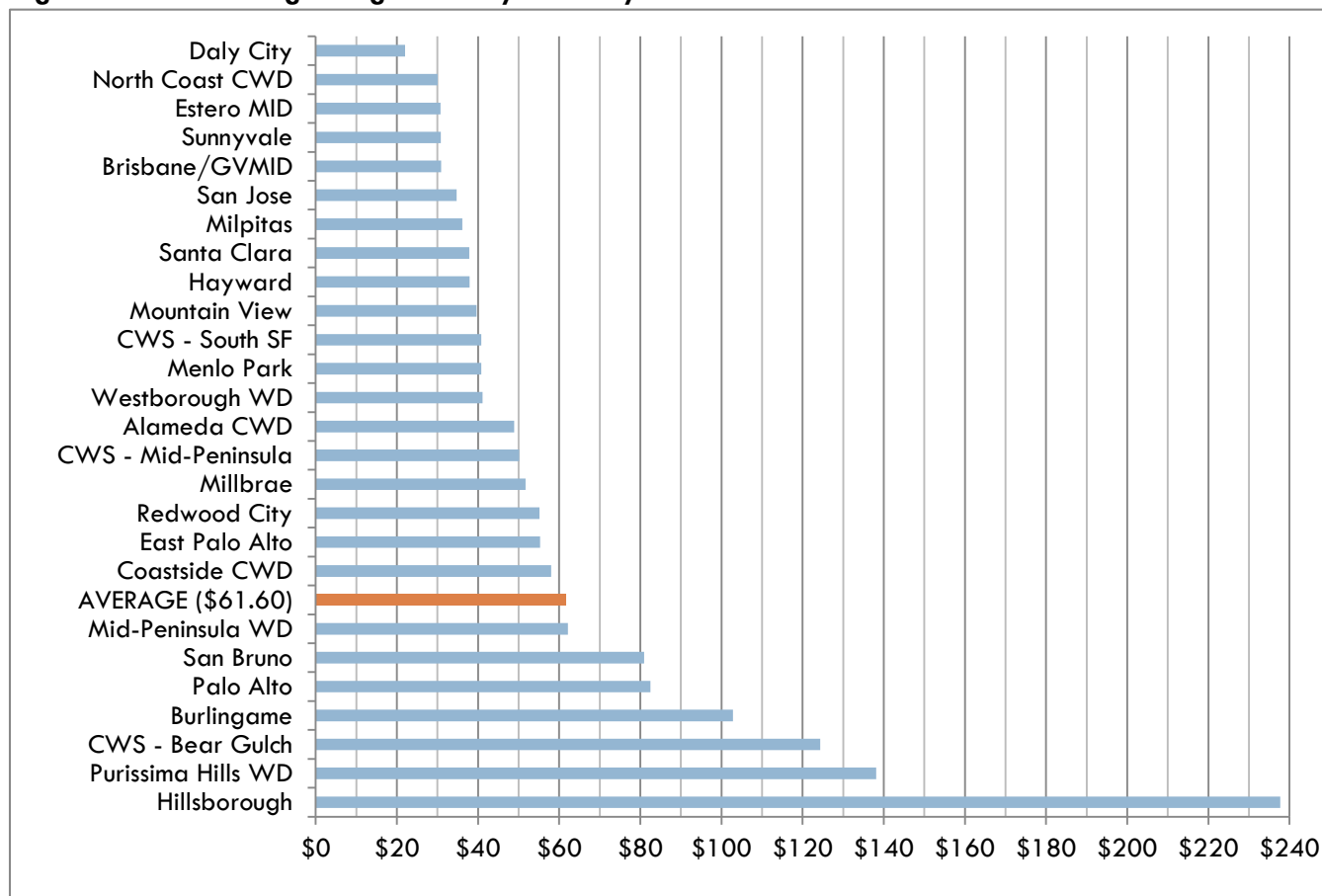


SINGLE FAMILY WATER AND RATE STRUCTURES

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 \$22.04 for 6.9 units in the Daly City service area to a high of \$237.70 for 23.7 units in Hillsborough. The average single family water bill among the BAWSCA member agencies, inclusive of the service charge, was \$61.60.

Five BAWSCA member agencies (Alameda County Water District, East Palo Alto, Millbrae, Santa Clara, and Westborough Water District) had a uniform rate structure in FY 2014-15, 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

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E-Mail: BAWSCA@BAWSCA.org

Goals

To ensure 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, and 2 private water providers that provide water to over 1.7 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 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 roughly 4,282 and a service area of approximately 4 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, 65% of all water delivered by the BAWSCA member agencies came from the SF RWS in FY 2014-15.

■ 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, serves primarily an industrial area. Nearly 90% of all service connections in the BAWSCA service area are residential, with residential use comprising 58% of total demand in FY 2014-15.

■ 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 2014-15, residential per capita water use was 16% lower than the prior year due to water use reductions in response to the drought. Per capita use in the wholesale service area ranged from a low of 36 gallons per capita per day (gpcd) to a high of 245 gpcd. Average residential use is 65 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 seven. A standing Board Policy Committee, comprised of board members, advises the CEO and the full board on policy matters. The agency's FY 2014-15 budget was \$2.9M, 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 completes its capital improvement program for rebuilding the regional water system promptly and cost-effectively with the cost fairly allocated between San Francisco retail and BAWSCA member agencies.
- ☐ Administering the 2009 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 by BAWSCA's political, community, and private allies.

Table 1: BAWSCA Members Summary – FY 2014-15

	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	4,282	0.57	0.57	Brisbane, nearby unincorporated areas, and GVMID, and an industrial park within the City of Brisbane
City of Burlingame	32,993	3.67	3.97	City of Burlingame, and nearby unincorporated areas
California Water Service Company				Atherton, Colma, Daly City, Los Altos, Menlo Park, Portola Valley, parts of unincorporated Redwood City, San Carlos, San Mateo, South San Francisco,
Bear Gulch District, Mid-Peninsula District, South San Francisco District	254,786	28.36	29.83	Woodside and nearby unincorporated areas
Coastside County Water District	16,668	1.49	1.80	Half Moon Bay, Princeton by the Sea, Miramar, and El Granada
City of Daly City	108,510	3.39	5.93	Daly City and nearby unincorporated areas
City of East Palo Alto	29,143	1.57	1.57	City of East Palo Alto, Menlo Park, and nearby unincorporated areas
Estero Municipal Improvement District	37,088	3.96	3.96	Foster City and small parts of San Mateo
Town of Hillsborough	10,869	2.51	2.51	Hillsborough and nearby unincorporated areas
City of Menlo Park	15,342	2.64	2.64	Menlo Park west of Altschul Avenue and east of El Camino Real
Mid-Peninsula Water District	26,730	2.48	2.48	Belmont, San Carlos, and nearby unincorporated areas
City of Millbrae	21,532	2.03	2.06	Millbrae and nearby unincorporated areas
North Coast County Water District	40,000	2.79	2.80	Pacifica and nearby unincorporated areas
City of Redwood City	87,059	7.77	8.40	Redwood City, parts of San Carlos and Woodside, and nearby unincorporated areas
City of San Bruno	43,798	1.20	3.14	San Bruno and nearby unincorporated areas
Westborough Water District	13,260	0.77	0.77	Parts of South San Francisco, Daly City, and nearby unincorporated areas
Subtotal	742,060	65.20	72.42	
Santa Clara County				
City of Milpitas	70,800	5.13	9.14	Milpitas and portions of San Jose
City of Mountain View	76,413	7.40	9.09	Mountain View and nearby unincorporated areas
City of Palo Alto	66,152	9.68	10.43	Palo Alto and nearby unincorporated areas
Purissima Hills Water District	6,140	1.65	1.65	Los Altos Hills, parts of Los Altos, and nearby unincorporated areas
San Jose Municipal Water District	15,948	4.41	5.17	North San Jose/Alviso and nearby unincorporated areas
City of Santa Clara	120,973	1.87	20.02	Santa Clara and nearby unincorporated areas
Stanford University	30,486	1.89	2.86	Stanford University
City of Sunnyvale	148,028	7.94	15.97	Sunnyvale and nearby unincorporated areas
Subtotal	534,940	39.98	74.34	
Alameda County				
Alameda County Water District	344,000	7.73	34.33	Union City, Newark, Fremont and nearby unincorporated areas
City of Hayward	152,889	13.60	13.60	Hayward and nearby unincorporated areas
Subtotal	496,889	21.32	47.93	
Total All Agencies	1,773,889	126.50	194.69	
Source: BAWSCA FY 2014-15 Annual Survey				

2. Past and Current Purchases from SF RWS

Figure 2A: Past and Current Purchases from SF RWS

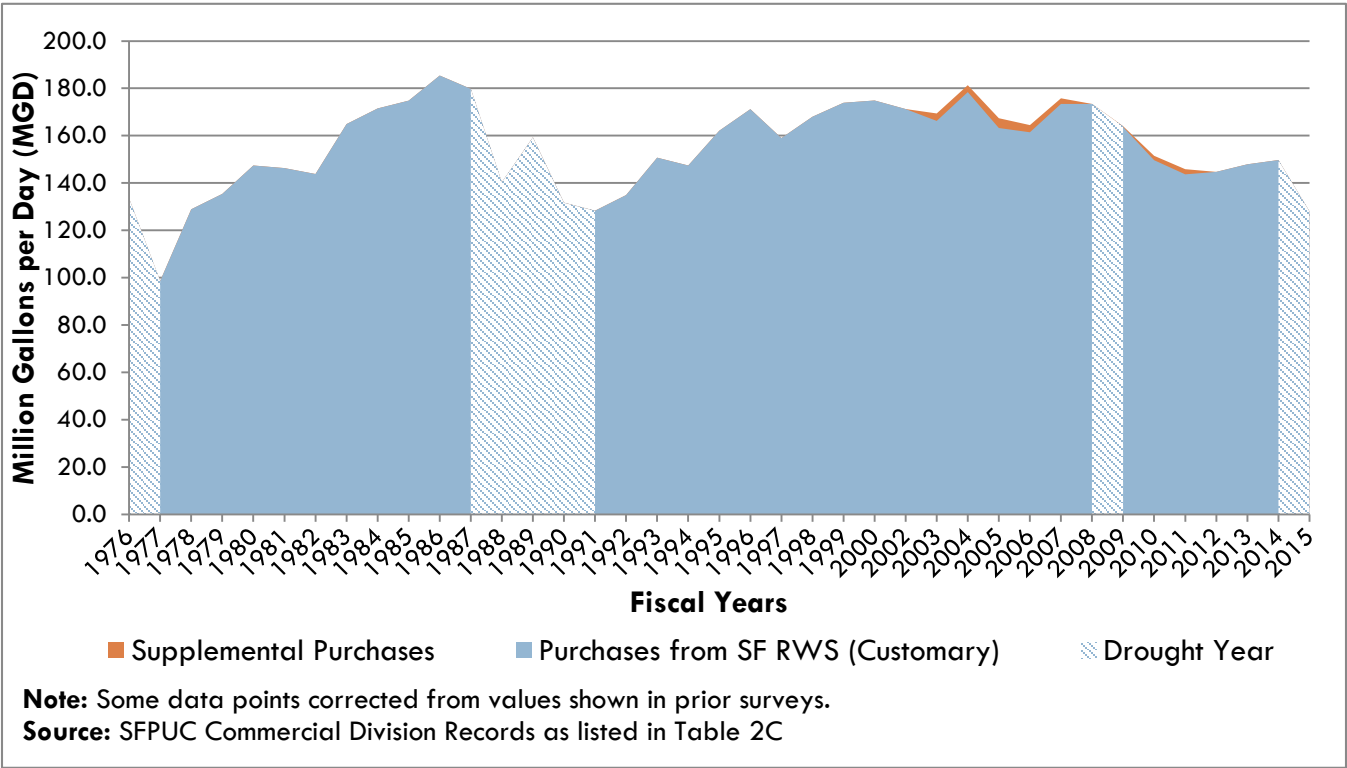


Table 2A: Past and Current Purchases from SF RWS and Relationship to Supply Guarantee (Excluding Supplemental Purchases)

Past and Current Purchases from SF RWS and Relationship to the Supply Guarantee (in ccf)																				
(Excluding Supplemental Purchases)																				
																			2014-15/ 2013-14 % Change	2014-15 Purchases as % of Guarantee
Member	Supply Guarantee	mgd Equiv	Predrought FY 1986-87	mgd Equiv	Actual FY 2004-05	Actual FY 2005-06	Actual FY 2006-07	Actual FY 2007-08	Actual FY 2008-09	Actual FY 2009-10	Actual FY 2010-11	Actual FY 2011-12	Actual FY 2012-13	Actual FY 2013-14	Actual FY 2014-15	mgd Equiv				
San Mateo County																				
* Brisbane **	224,435	0.46	171,507	0.35	175,335	191,963	148,937	182,661	179,743	123,803	275,934	280,650	287,290	302,776	280,029	0.57		-7.5	58.5	
* Burlingame	2,553,753	5.23	2,531,707	5.19	2,205,818	2,121,360	2,209,757	2,195,474	2,086,616	1,920,815	1,971,599	2,012,282	1,952,965	2,001,619	1,791,539	3.67		-10.5	70.2	
California Water Service ***	17,320,807	35.50	17,393,987	35.65	17,024,290	17,030,914	18,279,882	18,414,636	17,561,079	15,815,998	15,668,088	16,101,764	15,212,752	16,361,264	13,839,271	28.36		-15.4	79.9	
Coastside CWD	1,061,453	2.18	600,257	1.23	862,286	899,064	1,006,844	1,014,105	977,849	887,675	806,110	832,099	885,896	940,214	727,298	1.49		-22.6	68.5	
Daly City	2,094,386	4.29	2,264,684	4.64	2,042,053	1,519,263	1,747,221	2,187,273	2,113,320	1,542,719	1,405,560	1,811,358	1,955,442	1,713,514	1,654,762	3.39		-3.4	79.0	
* East Palo Alto	957,813	1.96	1,041,989	2.14	751,516	927,742	976,874	996,587	938,045	842,883	863,282	907,662	1,008,253	723,320	768,310	1.57		6.2	80.2	
* Estero MID	2,878,807	5.90	2,854,051	5.85	2,542,371	2,531,846	2,747,662	2,691,080	2,509,929	2,392,839	2,274,588	1,966,984	2,000,497	1,942,333	1,930,526	3.96		-0.6	67.1	
* Guadalupe Valley MID	254,436	0.52	155,074	0.32	151,270	130,538	115,901	130,485	122,888	152,798	Included with Brisbane									
* Hillsborough	1,995,644	4.09	1,996,150	4.09	1,630,593	1,665,884	1,786,177	1,893,039	1,743,929	1,470,409	1,461,935	1,580,857	1,609,532	1,599,812	1,226,777	2.51		-23.3	61.5	
Los Trancos			34,848	0.07	Included with CWS-Bear Gulch															
* Menlo Park	2,174,231	4.46	1,958,458	4.01	1,648,914	1,688,803	1,735,075	1,857,088	1,628,275	1,556,801	1,533,788	1,621,745	1,584,636	1,724,965	1,287,136	2.64		-25.4	59.2	
* Mid-Peninsula WD	1,898,707	3.89	1,888,074	3.87	1,602,472	1,434,648	1,652,208	1,583,791	1,533,876	1,390,831	1,404,933	1,437,360	1,453,047	1,408,109	1,209,300	2.48		-14.1	63.7	
* Millbrae	1,538,120	3.15	1,528,426	3.13	1,191,005	1,291,729	1,194,450	1,199,327	1,168,008	1,094,867	1,075,971	1,034,254	1,113,147	1,134,741	991,049	2.03		-12.7	64.4	
* North Coast CWD	1,872,928	3.84	1,618,649	3.32	1,652,192	1,579,110	1,418,174	1,582,423	1,632,364	1,471,838	1,585,572	1,380,360	1,192,485	1,387,578	1,360,780	2.79		-1.9	72.7	
* Redwood City	5,333,115	10.93	5,253,772	10.77	5,423,431	5,308,460	5,694,374	5,711,397	5,048,309	4,689,257	4,462,944	4,420,594	4,747,255	4,407,672	3,789,370	7.77		-14.0	71.1	
San Bruno	1,583,899	3.25	1,748,600	3.58	845,569	1,010,659	906,722	968,953	925,521	735,442	775,910	1,017,925	946,503	779,582	584,392	1.20		-25.0	36.9	
Skyline			62,726	0.13	71,748	76,938	80,966	76,864	Included with CWS-Bear Gulch											
* Westborough WD	644,172	1.32	585,151	1.20	531,903	459,831	532,529	457,299	485,493	394,878	408,487	440,796	441,233	433,980	377,034	0.77		-13.1	58.5	
Subtotal	44,386,706	90.96	43,688,110	89.53	40,352,766	39,868,752	42,233,753	43,142,482	40,655,244	36,483,853	35,974,701	36,846,690	36,390,933	36,861,479	31,817,573	65.20		-13.7	71.7	
Santa Clara County																				
Milpitas	4,504,533	9.23	4,370,757	8.96	3,245,882	3,246,783	3,363,685	3,346,012	3,373,223	3,044,020	2,954,096	3,060,055	3,115,000	3,194,000	2,503,640	5.13		-21.6	55.6	
Mountain View	6,567,648	13.46	6,435,554	13.19	5,128,162	5,040,013	5,349,361	5,074,103	4,788,905	4,332,561	4,162,626	4,346,523	4,389,474	4,373,263	3,611,194	7.40		-17.4	55.0	
* Palo Alto	8,331,697	17.07	8,009,767	16.41	5,896,965	5,802,911	6,361,100	6,205,790	5,677,018	5,362,816	5,440,236	5,561,559	5,547,735	5,600,519	4,723,751	9.68		-15.7	56.7	
* Purissima Hills	792,832	1.62	755,077	1.55	980,472	964,747	1,112,291	1,124,922	980,987	854,854	839,360	899,221	972,733	982,100	803,313	1.65		-18.2	101.3	
San Jose	0	0.00	1,541,153	3.16	2,130,206	2,146,284	2,321,769	2,394,495	2,185,349	1,998,932	2,035,953	2,172,405	2,173,663	2,272,262	2,151,905	4.41		-5.3	n/a	
Santa Clara	0	0.00	2,429,766	4.98	2,062,068	2,237,932	2,106,452	1,618,029	1,307,380	1,105,658	1,055,675	910,029	1,118,315	1,012,567	914,572	1.87		-9.7	n/a	
Stanford	1,479,764	3.03	1,485,396	3.04	1,127,114	1,085,236	1,112,857	1,125,377	1,045,886	1,043,864	1,035,726	1,051,794	1,029,129	1,024,277	923,813	1.89		-9.8	62.4	
Sunnyvale	6,138,122	12.58	7,228,076	14.81	4,260,386	4,766,132	4,505,138	5,072,437	5,181,026	4,771,741	4,043,548	4,436,721	4,526,510	4,046,527	3,874,640	7.94		-4.2	63.1	
Subtotal	27,814,596	57.00	32,255,546	66.10	24,831,255	25,290,038	26,232,653	25,961,165	24,539,774	22,514,446	21,567,221	22,438,307	22,872,559	22,505,515	19,506,828	39.98		-13.3	70.1	
Alameda County																				
Alameda CWD	6,714,439	13.76	6,039,273	12.38	5,128,341	5,115,909	6,667,959	6,534,358	5,477,714	5,102,005	3,825,797	4,052,940	4,371,390	5,684,760	3,770,320	7.73		-33.7	56.2	
* Hayward 1	6,634,616	13.60	8,504,158	17.43	9,030,652	8,761,512	8,901,286	9,434,134	9,105,654	8,511,066	8,308,740	7,610,980	7,552,956	7,402,067	6,634,616	13.60		-10.4	100.0	
Residual 1	4,235,739	8.68																		
Subtotal	17,584,794	36.04	14,543,431	29.80	14,158,993	13,877,421	15,569,245	15,968,492	14,583,368	13,613,071	12,134,537	11,663,920	11,924,346	13,086,827	10,404,936	21.32		-20.5	59.2	
Total	89,786,096	184.00	90,487,087	185.44	79,343,014	79,036,211	84,035,651	85,072,140	79,778,386	72,611,370	69,676,459	70,948,917	71,187,838	72,453,821	61,729,337	126.50		-14.8	68.8	
mgd equiv	184.00		185.44		162.60	161.97	172.22	174.34	163.49	148.80	142.79	145.40	145.89	148.48	126.50					
Total w/o SC&SJ	89,786,096		86,516,168		75,150,740	74,651,995	79,607,430	81,059,616	76,285,657	69,506,780	66,584,830	67,866,483	67,895,860	69,168,992	58,662,860	120.22		-15.2	65.3	
mgd equiv	184.00		177.30		154.01	152.99	163.14	166.12	156.33	142.44	136.45	139.08	139.14	141.75	120.22					
* Agencies receiving 100% of their supply from the SF RWS. ** Inclusive of Guadalupe Valley MID beginning in FY 2010-11. *** 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 2014-15). 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 or the specific purchase of water by the City of Menlo Park from the City of East Palo Alto.																				
Note: From 2002-2005, Daly City, CWS-South San Francisco, and San Bruno participated in a pilot conjunctive use program whereby surplus surface water was purchased in lieu of groundwater pumping. Currently, only Daly City has continued with the program on a long term basis. Purchase totals exclude supplemental water purchases. See Table 2D.																				
Source: BAWSCA Annual Surveys																				

Figure 2B: Monthly/Seasonal Purchases from SF RWS Among BAWSCA Members – FY 2014-15

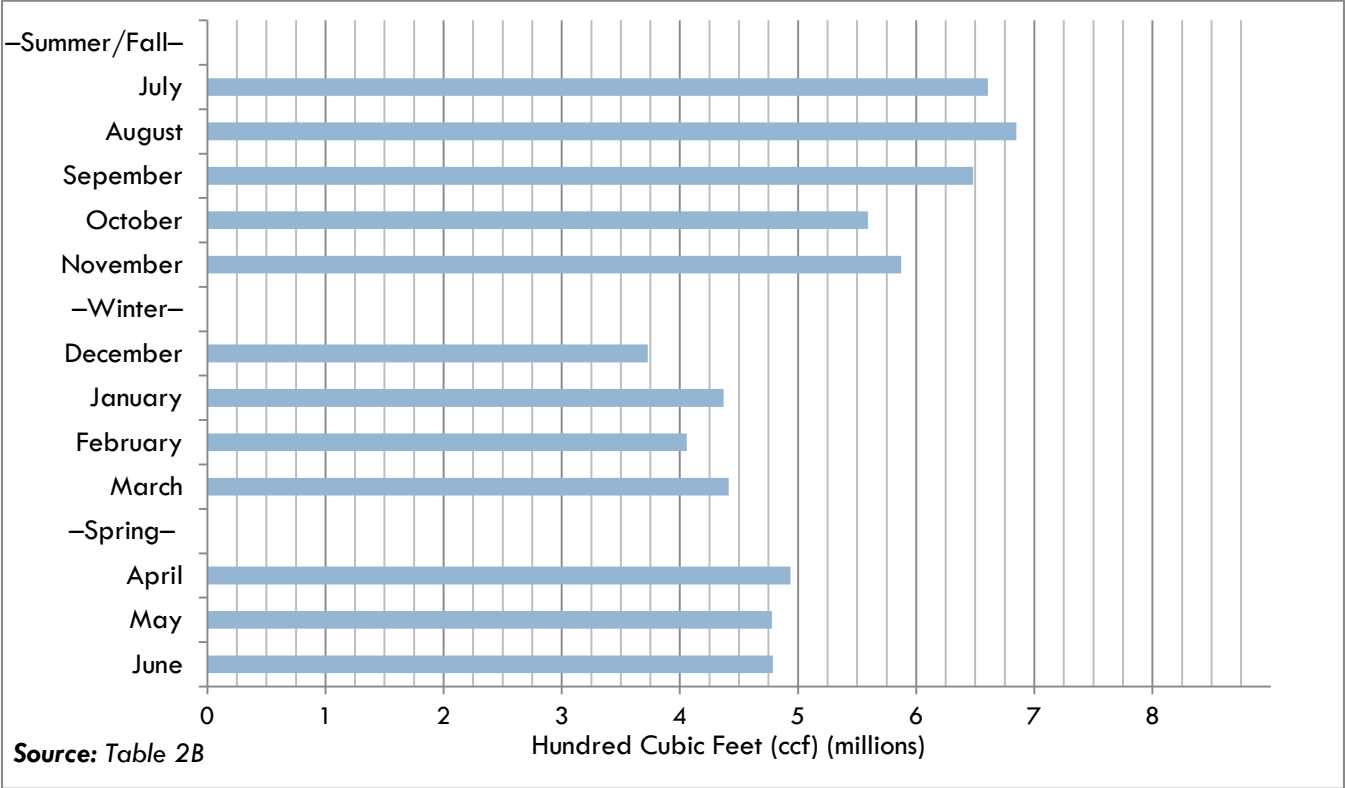


Table 2B: Monthly/Seasonal Purchases from SF RWS Among BAWSCA Members – FY 2014-15 (in ccf)
SFPUC Commercial Division Records Data¹

	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	282,398	248,308	204,290	163,486	598,735	1,497,217	379,715	415,985	397,440	506,557	1,699,697	423,122	139,110	126,745	688,977	3,885,891	7.96				
Brisbane	14,150	16,574	16,156	12,394		72,108	10,620	9,926	7,898	8,069	36,513	10,039	10,629	10,055	30,723	139,344	0.29				
Burlingame	169,447	192,221	176,572	155,371	190,665	884,276	127,633	145,693	109,572	118,316	501,214	133,004	140,245	132,800	406,049	1,791,539	3.67				
* CWS - Bear Gulch	671,085	717,194	694,509	559,256	454,182	3,096,226	207,225	256,204	229,917	261,362	954,708	349,644	384,062	398,194	1,131,900	5,182,834	10.62				
CWS - Mid Peninsula	640,422	702,474	763,415	554,090	578,510	3,238,911	344,878	420,398	379,495	409,839	1,554,610	467,175	506,821	457,261	1,431,257	6,224,778	12.76				
* CWS - South SF 2	286,541	329,377	264,847	240,706	283,780	1,405,251	183,040	197,038	163,922	179,585	723,585	238,724	205,021	197,060	640,805	2,769,641	5.68				
* Coastside CWD	94,984	93,361	100,025	80,694	72,943	442,007	43,048	38,087	26,364	35,193	142,692	38,588	62,926	62,175	163,689	748,388	1.53				
* Daly City 2	123,346	134,306	120,219	117,439	136,779	632,089	103,325	153,205	153,227	126,053	535,810	135,814	169,747	148,304	453,865	1,621,764	3.32				
East Palo Alto	77,474	81,154	71,233	68,060	68,203	366,124	49,558	64,079	52,066	54,045	219,748	63,318	60,781	58,339	182,438	768,310	1.57				
Estero MID	263,403	157,197	198,760	177,956	178,391	975,707	99,623	121,562	113,281	130,153	464,619	158,516	183,691	160,295	502,502	1,942,828	3.98				
Guadalupe Valley MID	17,095	19,201	18,051	14,974	17,242	86,563	7,615	8,557	7,933	7,154	31,259	10,909	12,611	9,952	33,472	151,294	0.31				
Hayward	676,885	696,144	607,766	650,951	543,049	3,174,795	418,812	562,255	474,690	464,672	1,920,429	531,858	491,068	516,466	1,539,392	6,634,616	13.60				
Hillsborough	178,580	195,007	157,581	130,872	116,165	778,205	44,495	49,931	56,762	60,717	211,905	92,639	102,952	95,400	290,991	1,281,101	2.63				
Menlo Park	164,221	150,967	109,081	111,722	113,905	649,896	62,995	84,984	75,688	85,534	309,201	105,168	116,122	104,213	325,503	1,284,600	2.63				
Mid-Peninsula WD	145,071	134,126	133,264	113,248	105,259	630,968	60,004	86,934	74,550	92,120	313,608	94,691	93,806	102,437	290,934	1,235,510	2.53				
Millbrae	103,641	119,513	105,074	94,372	59,728	482,328	41,118	53,424	61,545	64,526	220,613	73,061	81,175	77,073	231,309	934,250	1.91				
* Milpitas	257,426	288,400	283,687	231,494	241,568	1,302,575	168,003	167,906	173,950	164,046	673,905	188,236	187,568	204,005	579,809	2,556,289	5.24				
* Mountain View	424,543	428,407	387,851	305,682	329,884	1,876,367	221,860	215,674	250,946	244,145	932,625	297,819	287,917	320,771	906,507	3,715,499	7.61				
* North Coast CWD	142,785	131,215	133,986	118,730	117,731	644,447	92,443	113,731	115,620	108,000	429,794	134,274	102,627	111,445	348,346	1,422,587	2.92				
Palo Alto	540,645	583,056	482,523	456,614	399,959	2,462,797	231,977	285,047	265,244	295,695	1,077,963	378,302	402,127	350,244	1,130,673	4,671,433	9.57				
Purissima Hills WD	108,306	108,273	105,409	84,437	68,508	474,933	26,954	35,558	34,804	42,533	139,849	61,737	65,038	61,756	188,531	803,313	1.65				
Redwood City	465,568	423,522	430,385	358,121	315,798	1,993,394	191,998	277,813	242,083	290,615	1,002,509	299,222	291,099	323,041	913,362	3,909,265	8.01				
* San Bruno 2	78,566	62,533	69,971	67,925	56,561	335,556	46,428	45,702	41,886	39,743	173,759	33,701	33,469	63,765	130,935	640,250	1.31				
* San Jose MWS-North	223,167	237,379	228,236	202,085	202,703	1,093,570	150,239	130,183	157,133	146,954	584,509	166,997	168,830	175,500	511,327	2,189,406	4.49				
* Santa Clara	61,148	68,522	53,777	61,753	91,952	337,152	61,838	75,184	76,689	70,364	284,075	71,797	71,215	100,864	243,876	865,103	1.77				
* Stanford University	101,731	110,274	101,765	96,640	90,009	500,419	58,916	69,838	68,078	73,918	270,750	73,412	68,141	63,409	204,962	976,131	2.00				
* Sunnyvale	260,157	383,818	427,716	332,818	392,950	1,797,459	267,090	255,485	239,714	306,317	1,068,606	304,343	304,061	327,226	935,630	3,801,695	7.79				
Westborough WD	34,446	36,248	36,094	30,516	35,535	172,839	27,234	30,488	6,784	28,082	92,588	0	37,205	27,076	64,281	329,708	0.68				
Totals	6,607,231	6,848,771	6,482,243	5,592,406	5,873,528	31,404,179	3,728,684	4,370,871	4,057,281	4,414,307	16,571,143	4,936,110	4,780,064	4,785,871	14,502,045	62,477,367	128.04				
	Seasonal Comparisons					Summer/Fall	Winter					Spring					Year				
					2004-05	43,634,362					2004-05	18,950,296			2004-05	19,088,208	81,672,866	167.37			
					2005-06	43,420,410					2005-06	19,016,132			2005-06	17,818,603	80,255,145	164.47			
					2006-07	43,945,621					2006-07	19,334,891			2006-07	22,498,624	85,779,136	175.79			
					2007-08	41,833,467					2007-08	19,711,571			2007-08	23,073,285	84,618,323	173.41			
					2008-09	42,129,812					2008-09	18,732,019			2008-09	19,172,178	80,034,009	164.01			
					2009-10	39,394,295					2009-10	18,057,011			2009-10	16,469,283	73,920,589	151.49			
					2010-11	38,044,328					2010-11	16,817,330			2010-11	16,303,549	71,165,207	145.84			
					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			
	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:	1991-92	30,326,000					1983-84	13,429,000					1990-91	13,464,000	1991-92	126.79
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 2002-03, these agencies began participating in a conjunctive use study with the SFPUC. Additional surface water supplies are utilized in lieu of groundwater pumping when available. Impacts to the groundwater basin are being monitored. Since FY 2011-12 there have been no supplemental water purchases. See Table 2D.																					
* Agency has other sources besides SF RWS.																					

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

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		1970-71	64,753,340	132.7	148,653	-4.5
1931-32	1,366,310	2.8	3,137	-9.7	1971-72	69,486,629	142.4	159,519	7.3
1932-33	1,317,513	2.7	3,025	-3.6	1972-73	65,046,121	133.3	149,325	-6.4
1933-34	1,268,717	2.6	2,913	-3.7	1973-74	68,705,880	140.8	157,727	5.6
1934-35	1,171,123	2.4	2,689	-7.7	1974-75	71,145,722	145.8	163,328	3.6
1935-36	1,219,920	2.5	2,801	4.2	1975-76	75,147,059	154.0	172,514	5.6
1936-37	1,659,091	3.4	3,809	36.0	1976-77	65,143,717	133.5	149,549	-13.3
1937-38	2,439,840	5.0	5,601	47.1	1977-78	48,113,636	98.6	110,454	-26.1
1938-39	3,122,995	6.4	7,169	28.0	1978-79	62,899,064	128.9	144,396	30.7
1939-40	4,391,711	9.0	10,082	40.6	1979-80	66,558,824	136.4	152,798	5.8
1940-41	3,562,166	7.3	8,178	-18.9	1980-81	72,463,235	148.5	166,353	8.9
1941-42	3,757,353	7.7	8,626	5.5	1981-82	71,828,877	147.2	164,896	-0.9
1942-43	4,196,524	8.6	9,634	11.7	1982-83	70,950,535	145.4	162,880	-1.2
1943-44	5,562,834	11.4	12,771	32.6	1983-84	79,441,176	162.8	182,372	12.0
1944-45	8,734,625	17.9	20,052	57.0	1984-85	82,759,358	169.6	189,989	4.2
1945-46	8,393,048	17.2	19,268	-3.9	1985-86	83,149,733	170.4	190,886	0.5
1946-47	9,076,203	18.6	20,836	8.1	1986-87	90,176,471	184.8	207,017	8.5
1947-48	9,612,968	19.7	22,068	5.9	1987-88	88,273,396	180.9	202,648	-2.1
1948-49	9,710,561	19.9	22,292	1.0	1988-89	67,241,979	137.8	154,366	-23.8
1949-50	9,564,171	19.6	21,956	-1.5	1989-90	78,221,257	160.3	179,571	16.3
1950-51	11,223,262	23.0	25,765	17.3	1990-91	64,509,358	132.2	148,093	-17.5
1951-52	12,784,759	26.2	29,350	13.9	1991-92	61,191,176	125.4	140,476	-5.1
1952-53	14,590,240	29.9	33,495	14.1	1992-93	64,899,733	133.0	148,989	6.1
1953-54	17,176,470	35.2	39,432	17.7	1993-94	72,707,219	149.0	166,913	12.0
1954-55	21,763,368	44.6	49,962	26.7	1994-95	71,596,604	146.7	164,363	-1.5
1955-56	23,324,866	47.8	53,547	7.2	1995-96	79,502,660	162.9	182,513	11.0
1956-57	25,911,095	53.1	59,484	11.1	1996-97	83,211,705	170.5	191,028	4.7
1957-58	22,690,507	46.5	52,090	-12.4	1997-98	77,305,829	158.4	177,470	-7.1
1958-59	27,814,170	57.0	63,853	22.6	1998-99	82,214,786	168.5	188,739	6.4
1959-60	30,937,165	63.4	71,022	11.2	1999-00	84,647,794	173.5	194,325	3.0
1960-61	32,010,694	65.6	73,486	3.5	2000-01	85,327,533	174.9	195,885	0.8
1961-62	34,255,347	70.2	78,639	7.0	2001-02	83,562,066	171.2	191,832	-2.1
1962-63	38,256,683	78.4	87,825	11.7	2002-03	82,654,243	169.4	189,748	-1.1
1963-64	44,161,095	90.5	101,380	15.4	2003-04	88,480,297	181.3	203,123	7.0
1964-65	47,430,480	97.2	108,885	7.4	2004-05	81,672,866	167.4	187,495	-7.7
1965-66	52,700,533	108.0	120,984	11.1	2005-06	80,255,145	164.5	184,240	-1.7
1966-67	54,652,405	112.0	125,465	3.7	2006-07	85,779,136	175.8	196,922	6.9
1967-68	63,972,592	131.1	146,861	17.1	2007-08	84,618,323	173.4	194,257	-1.4
1968-69	61,630,346	126.3	141,484	-3.7	2008-09	80,034,009	164.0	183,733	-5.4
1969-70	67,778,741	138.9	155,599	10.0	2009-10	73,920,589	151.5	169,698	-7.6
					2010-11	71,165,207	145.8	163,373	-3.7
					2011-12	70,630,209	144.7	162,145	-0.8
					2012-13	72,190,436	147.9	165,726	2.2
					2013-14	73,050,233	149.7	167,700	1.2
					2014-15	62,477,367	128.0	143,428	-13.5

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

Note: The above totals are inclusive of supplemental water purchases. See Table 2D.

Source: SFPUC Commercial Division Records

Table 2D: Supplemental SF RWS Water Purchases by 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

Starting in FY 2002-03, Cal Water (South San Francisco), Daly City, and San Bruno participated in a pilot conjunctive use 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. Daly City has continued with the program on a longer term basis.

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. 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. No supplemental purchases were made in FY 2011-12, FY 2012-13, FY 2013-14, or FY 2014-15 due to dry conditions.

Source: BAWSCA FY 2014-15 Annual Survey

3. Total Water Supply and Demand

**Table 3A: Historical Total Water Use by BAWSCA Agency (in ccf)
Inclusive of unaccounted for water; exclusive of supplemental purchases**

Member	FY 2002-03	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	FY 2011-12	FY 2012-13	FY 2013-14	FY 2014-15	mgd
San Mateo County														
Brisbane / GVMID	192,066	192,518	175,335	191,963	200,437	182,661	179,743	123,803	275,934	280,650	287,290	302,776	280,029	0.57
Burlingame	2,315,100	2,335,235	2,205,818	2,121,360	2,209,757	2,195,474	2,086,616	1,920,815	2,117,999	2,158,682	2,099,365	2,148,019	1,937,939	3.97
CWS - Bear Gulch	5,848,115	6,612,291	5,783,871	5,925,540	6,673,025	6,867,205	6,413,044	5,762,738	5,794,705	6,004,849	6,116,162	6,259,793	5,267,634	10.80
CWS - Mid Peninsula	8,058,754	8,471,101	7,738,445	7,945,376	8,085,040	7,813,188	7,621,387	7,062,049	6,956,546	6,905,680	6,046,107	6,956,723	6,016,058	12.33
CWS - South SF	3,701,615	4,064,571	4,234,118	3,886,698	4,052,652	4,035,772	3,927,339	3,689,071	3,731,044	3,682,415	3,620,826	3,616,258	3,270,666	6.70
Coastside CWD	1,226,580	1,344,791	1,171,523	1,111,523	1,263,875	1,202,915	1,055,296	986,484	894,746	896,631	996,377	997,259	877,579	1.80
Cordilleras							Not BAWSCA Member							
Daly City	2,897,056	3,116,587	2,349,113	1,852,259	2,330,281	3,731,419	3,387,850	2,366,022	2,031,783	3,364,817	3,512,566	3,349,433	2,895,051	5.93
East Palo Alto	926,129	1,009,447	751,516	927,742	976,874	996,587	938,629	842,883	863,282	907,662	1,010,939	720,040	766,380	1.57
Estero MID	2,576,965	2,729,471	2,542,371	2,531,846	2,747,662	2,691,080	2,538,289	2,392,839	2,274,588	1,966,984	2,000,497	1,942,333	1,930,526	3.96
Guadalupe Valley MID	175,880	162,079	151,270	130,538	115,901	130,485	122,888	152,798		Included with Brisbane				
Hillsborough	1,725,662	1,736,371	1,657,074	1,936,854	1,630,593	1,665,884	1,786,177	1,893,039	1,743,929	1,470,409	1,609,532	1,599,812	1,226,777	2.51
Los Trancos	52,869	60,617					Included with CWS-Bear Gulch							
Menlo Park	1,694,548	1,943,081	1,713,701	1,688,803	1,735,075	1,857,088	1,628,275	1,556,801	1,533,788	1,621,745	1,584,636	1,729,399	1,287,136	2.64
Mid-Peninsula WD	1,641,779	1,710,726	1,602,472	1,434,648	1,652,208	1,583,791	1,533,876	1,390,831	1,404,933	1,437,360	1,453,047	1,408,109	1,209,300	2.48
Millbrae	1,120,994	1,260,900	1,191,005	1,291,729	1,194,450	1,199,327	1,179,720	1,101,551	1,087,971	1,046,254	1,125,147	1,146,741	1,003,049	2.06
North Coast CWD	1,674,096	1,755,460	1,652,192	1,579,110	1,538,215	1,582,423	1,632,364	1,471,838	1,585,572	1,380,360	1,192,485	1,392,872	1,364,900	2.80
Redwood City	5,574,172	5,961,864	5,436,566	5,315,929	5,701,245	5,823,781	5,091,014	4,891,124	4,734,338	4,719,085	5,057,308	4,730,885	4,099,699	8.40
San Bruno	1,483,694	1,503,240	1,171,626	1,868,846	1,821,102	1,908,564	1,877,662	1,780,704	1,771,040	1,770,007	1,752,095	1,747,722	1,529,900	3.14
Skyline	78,713	90,672	71,748	76,938	80,966	76,864			Included with CWS-Bear Gulch					
Westborough WD	458,268	493,973	531,903	459,831	532,529	457,299	485,493	394,878	408,487	440,796	441,233	433,980	377,034	0.77
Subtotal	43,423,055	46,554,996	42,131,668	42,277,533	44,541,887	46,001,808	43,485,661	39,780,268	39,210,685	40,054,386	39,905,612	40,482,154	35,339,657	72.42
mgd	88.99	95.41	86.34	86.64	91.28	94.27	89.12	81.52	80.36	82.08	81.78	82.96	72.42	
Santa Clara County														
Milpitas	5,565,070	5,812,917	5,320,838	5,400,800	5,505,034	5,548,937	5,470,765	4,878,858	4,835,475	4,937,407	4,975,000	4,908,500	4,462,023	9.14
Mountain View	5,769,214	5,994,040	5,730,268	5,750,554	6,116,445	5,774,334	5,547,956	5,080,734	5,025,675	5,232,110	5,234,742	5,263,373	4,435,583	9.09
Palo Alto	6,445,487	6,860,978	6,236,965	6,180,611	6,778,100	6,620,815	6,001,341	5,715,348	5,811,182	5,948,461	5,750,761	5,981,585	5,091,582	10.43
Purissima Hills WD	1,002,378	1,128,457	980,472	964,747	1,112,291	1,124,922	980,987	854,854	839,360	899,221	972,733	982,100	803,313	1.65
San Jose	2,459,962	2,658,255	2,360,722	2,362,632	2,569,248	2,674,031	2,437,246	2,187,918	2,239,892	2,356,648	2,354,211	2,676,663	2,521,675	5.17
Santa Clara	11,172,284	11,705,256	11,278,162	11,540,998	12,007,298	11,782,654	10,852,916	10,139,329	10,197,067	10,575,495	10,798,039	10,757,505	9,768,702	20.02
Stanford	1,608,117	1,718,295	1,571,164	1,446,902	1,576,978	1,722,672	1,573,920	1,545,411	1,558,914	1,604,702	1,624,555	1,553,272	1,396,374	2.86
Sunnyvale	11,122,410	11,140,997	10,609,500	10,673,793	10,887,010	10,695,118	10,369,022	9,354,936	9,132,594	8,465,724	9,453,326	8,994,820	7,795,081	15.97
Subtotal	45,144,922	47,019,195	44,088,091	44,321,037	46,552,404	45,943,483	43,234,153	39,757,387	39,640,158	40,019,768	41,163,367	41,117,818	36,274,333	74.34
mgd	92.52	96.36	90.35	90.83	95.40	94.15	88.60	81.48	81.24	82.01	84.36	84.26	74.34	
Alameda County														
Alameda CWD	23,772,066	24,636,132	22,450,662	23,112,968	24,048,399	23,829,489	22,126,618	20,665,490	20,921,497	21,108,246	21,209,862	20,274,011	16,751,709	34.33
Hayward	8,631,661	9,587,525	9,030,652	8,924,063	8,901,286	9,434,134	9,105,654	8,511,066	8,308,740	7,610,980	7,552,956	7,402,067	6,634,616	13.60
Subtotal	32,403,727	34,223,657	31,481,314	32,037,031	32,949,685	33,263,623	31,232,272	29,176,556	29,230,237	28,719,226	28,762,818	27,676,078	23,386,325	47.93
mgd	66.41	70.14	64.52	65.65	67.52	68.17	64.00	59.79	59.90	58.85	58.94	56.72	47.93	
Total	120,971,705	127,797,848	117,701,073	118,635,600	124,043,976	125,208,913	117,952,086	108,714,211	108,081,080	108,793,380	109,831,797	109,276,050	95,000,315	194.69
mgd	247.91	261.90	241.21	243.12	254.21	256.59	241.72	222.79	221.49	222.95	225.08	223.94	194.69	
% Change	-2.9	5.6	-7.9	0.8	4.6	0.9	-5.8	-7.8	-0.6	0.7	1.0	-0.5	-13.1	
Note: Totals exclusive of supplemental purchases.														
Source: BAWSCA Annual Surveys														

Table 3B: Historical Total Water Use among 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	120,971,705	247.9	277,713	-2.6
2003-04	127,797,848	261.9	293,383	5.6
2004-05	117,701,073	241.2	270,204	-7.9
2005-06	118,635,600	243.1	272,350	0.8
2006-07	124,043,976	254.2	284,766	4.6
2007-08	125,208,913	256.6	287,440	0.9
2008-09	117,952,086	241.7	270,781	-5.8
2009-10	108,714,211	222.8	249,573	-7.8
2010-11	108,081,080	221.5	248,120	-0.6
2011-12	108,793,380	223.0	249,755	0.7
2012-13	109,831,797	225.1	252,139	1.0
2013-14	109,276,050	223.9	250,863	-0.5
2014-15	95,000,315	194.7	218,091	-13.1

*Inclusive of unaccounted for water; excludes supplemental purchases (see Table 2D).

Source: BAWUA/BAWSCA Annual Surveys

Figure 3C: Water Use by Source of Supply – FY 2014-15

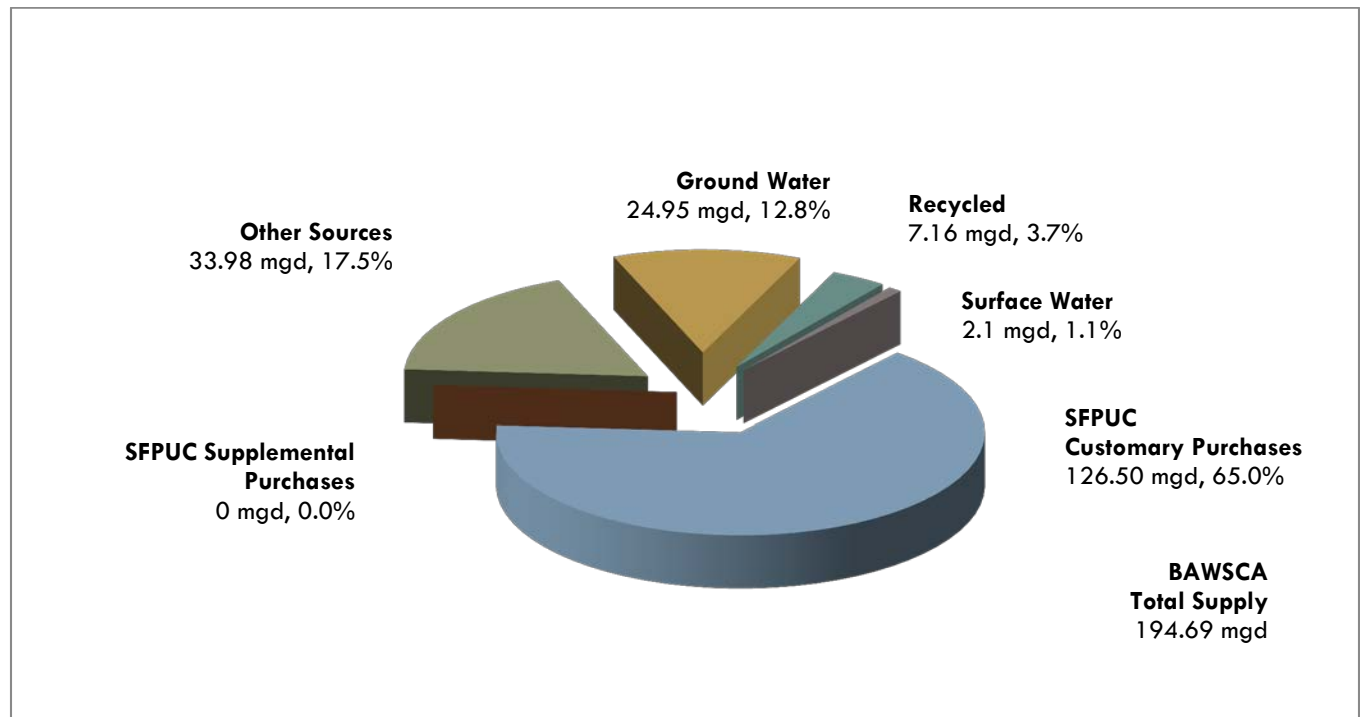


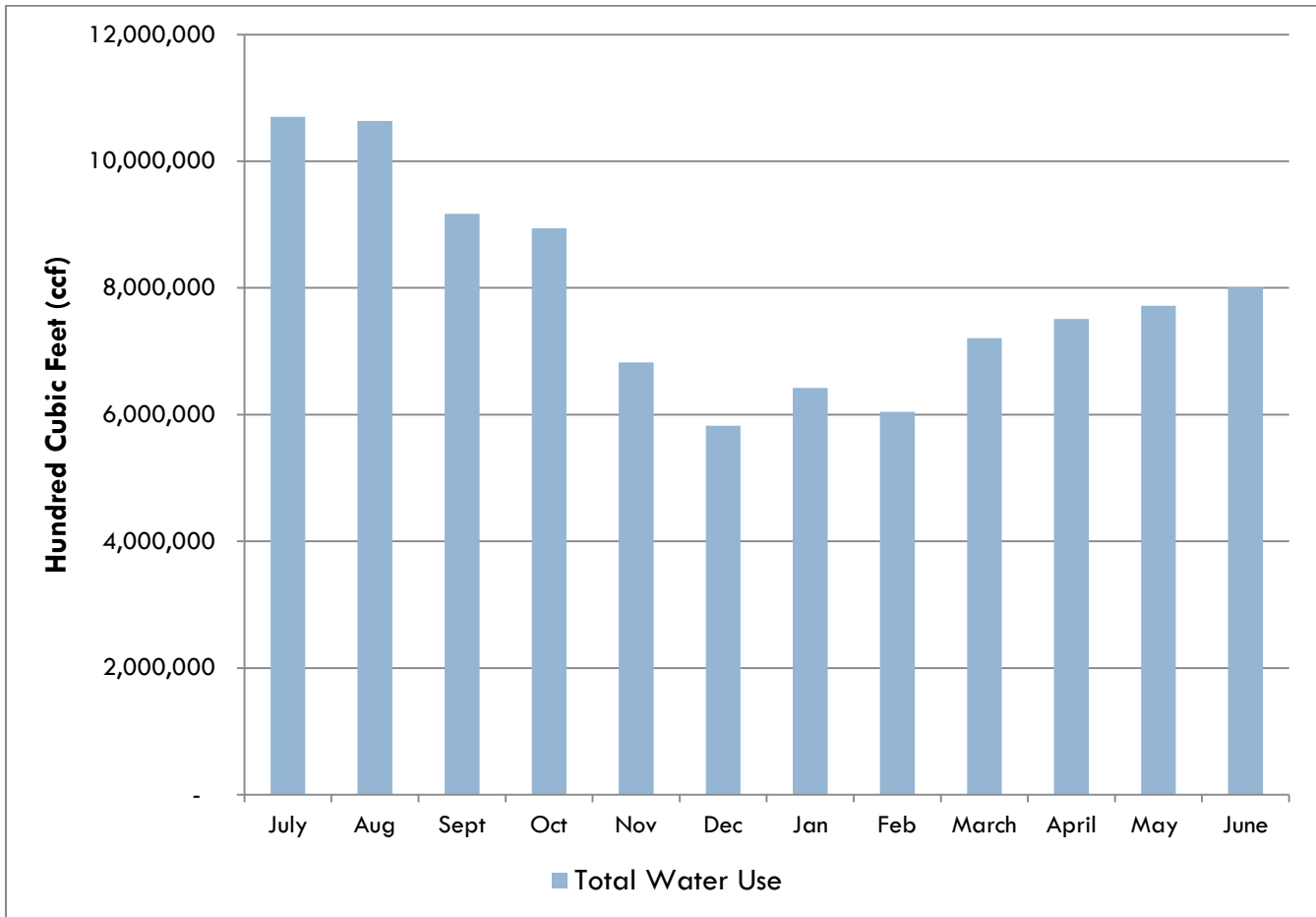
Figure 3D: Total Monthly Water Use for All BAWSCA Agencies – FY 2014-15

Table 3C: Water Use by Source of Supply – FY 2014-15 (in ccf)

	SF RWS Purchases			Local Sources (non-SF RWS)				Other Sources				Totals		
			% of	Ground	% of	Surface	% of	Recycled	% of	Other	% of	Total	mgd	% of
Member	Customary	Supplemental	Supply	Water	Supply	Water	Supply	Water	Supply	Sources	Supply	Supply	Equiv	Total
San Mateo County														
Brisbane / GVMID	280,029	0	100.0%	0	0%	0	0%	0	0%	0	0.0%	280,029	0.57	0.29%
Burlingame	1,791,539	0	92.4%	0	0%	0	0%	146,400	8%	0	0%	1,937,939	3.97	2.04%
CWS - Bear Gulch	5,077,292	0	96.4%	0	0%	190,342	3.6%	0	0%	0	0.0%	5,267,634	10.80	5.54%
CWS - Mid Peninsula	6,016,058	0	100.0%	0	0%	0	0.0%	0	0%	0	0%	6,016,058	12.33	6.33%
CWS - South SF	2,745,921	0	84.0%	524,745	16.0%	0	0%	0	0%	0	0%	3,270,666	6.70	3.44%
Coastside CWD	727,298	0	82.9%	6,297	0.7%	143,984	16.4%	0	0%	0	0.0%	877,579	1.80	0.92%
Daly City	1,654,762 *	0	57.2%	1,231,086	42.5%	0	0%	9,203	0.3%	0	0.00%	2,895,051	5.93	3.05%
East Palo Alto	768,310	0	99.9%	0	0.00%	0	0%	0	0%	606	0%	768,916	1.58	0.81%
Estero MID	1,930,526	0	100.0%	0	0%	0	0%	0	0%	0	0%	1,930,526	3.96	2.03%
Hillsborough	1,226,777	0	100.0%	0	0%	0	0%	0	0%	0	0%	1,226,777	2.51	1.29%
Menlo Park	1,287,136	0	100.0%	0	0%	0	0%	0	0%	0	0.0%	1,287,136	2.64	1.35%
Mid-Peninsula WD	1,209,300	0	100.0%	0	0%	0	0%	0	0%	0	0%	1,209,300	2.48	1.27%
Millbrae	991,049	0	98.8%	0	0%	0	0%	12,000	1%	0	0%	1,003,049	2.06	1.06%
North Coast CWD	1,360,780	0	99.7%	0	0%	0	0%	4,120	0%	0	0%	1,364,900	2.80	1.44%
Redwood City	3,789,370	0	92.4%	0	0%	0	0%	310,329	7.6%	0	0%	4,099,699	8.40	4.32%
San Bruno	584,392	0	38.2%	922,147	60.3%	0	0%	0	0%	23,361	1.5% †	1,529,900	3.14	1.61%
Westborough WD	377,034	0	100.0%	0	0%	0	0%	0	0%	0	0%	377,034	0.77	0.40%
Subtotal	31,817,573	0	90.0%	2,684,275	7.6%	334,326	0.9%	482,052	1.36%	23,967	0.1%	35,342,193	72.43	37.20%
mgd equiv	65.20	0.00		5.50		0.69		0.99		0.05		72.43		
Santa Clara County														
Milpitas	2,503,640	0	56.1%	0	0%	0	0%	409,507	9.2%	1,548,876	34.7%	4,462,023	9.14	4.70%
Mountain View	3,611,194	0	81.4%	245,464	5.5%	0	0%	178,779	4%	400,146	9.0%	4,435,583	9.09	4.67%
Palo Alto	4,723,751	0	92.8%	0	0%	0	0%	367,831	7.2%	0	0%	5,091,582	10.43	5.36%
Purissima Hills WD	803,313	0	100.0%	0	0%	0	0%	0	0%	0	0%	803,313	1.65	0.85%
San Jose	2,151,905	0	85.3%	16,913	0.7%	0	0%	352,857	14.0%	0	0%	2,521,675	5.17	2.65%
Santa Clara	914,572	0	9.4%	5,816,028	59.5%	0	0%	1,567,103	16.0%	1,470,999	15.1%	9,768,702	20.02	10.28%
Stanford	923,813	0	66.2%	313,982	22.5%	158,579	11.4%	0	0%	0	0%	1,396,374	2.86	1.47%
Sunnyvale	3,874,640	0	49.7%	506,472	6.5%	0	0%	137,016	1.8%	3,276,953	42.0%	7,795,081	15.97	8.21%
Subtotal	19,506,828	0	53.8%	6,898,859	19.0%	158,579	0.4%	3,013,093	8.3%	6,696,974	18.5%	36,274,333	74.34	38.18%
mgd equiv	39.98	0.00		14.14		0.32		6.17		13.72		74.34		
Alameda County														
Alameda CWD	3,770,320	0	22.5%	2,591,578	15.5%	530,561	3.2%	0	0%	9,859,250	58.9%	16,751,709	34.33	17.6%
Hayward	6,634,616	0	100.0%	0	0%	0	0%	0	0%	0	0.0%	6,634,616	13.60	7.0%
Subtotal	10,404,936	0	44.5%	2,591,578	11.1%	530,561	2.3%	0	0%	9,859,250	42.2%	23,386,325	47.93	24.62%
mgd equiv	21.32	0.00		5.31		1.09				20.20		47.93		
Total	61,729,337	0	65.0%	12,174,712	12.8%	1,023,466	1.1%	3,495,145	3.7%	16,580,191	17.5%	95,002,851	194.69	100.0%
mgd equiv	126.50	0.00		24.95		2.10		7.16		33.98		194.69		
*The total recycled water noted here is the portion that actually replaces a potable supply.											† Purchase of SF RWS supply from NCCWD.			
Source: BAWSCA FY 2014-15 Annual Survey														

Table 3D: Total Monthly Water Use – FY 2014-15 (in ccf)

Member	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	April	May	June	Total	mgd
San Mateo County														
Brisbane / GVMID	35,775	34,207	27,368	30,076	18,235	18,483	15,831	15,223	20,948	23,240	20,007	20,636	280,029	0.57
Burlingame	181,647	204,421	188,772	167,571	202,865	139,833	157,893	121,772	130,516	145,204	152,445	145,000	1,937,939	3.97
CWS - Bear Gulch	733,145	694,534	602,638	539,583	317,464	204,878	263,890	248,835	391,328	388,025	433,630	449,684	5,267,634	10.80
CWS - Mid Peninsula	679,660	651,007	587,243	556,264	435,087	369,315	411,436	383,148	485,104	465,799	497,142	494,853	6,016,058	12.33
CWS - South SF	336,249	322,348	302,981	294,436	241,976	230,565	263,814	227,885	268,610	257,026	264,600	260,176	3,270,666	6.70
Coastside CWD	99,947	100,120	80,521	76,377	61,992	52,286	71,899	67,286	66,698	65,347	59,077	76,029	877,579	1.80
Daly City	277,293	263,414	243,000	256,243	220,899	246,130	247,491	212,879	233,205	247,353	220,705	226,439	2,895,051	5.93
East Palo Alto	77,483	81,513	71,365	68,060	68,309	49,558	64,079	52,066	54,045	63,318	60,781	58,339	768,916	1.58
Estero MID	211,200	198,760	177,956	178,391	99,623	121,562	113,281	130,153	158,516	183,691	160,295	197,098	1,930,526	3.96
Hillsborough	195,007	157,581	130,872	116,165	44,495	49,931	56,762	60,717	92,639	101,031	95,400	126,177	1,226,777	2.51
Menlo Park	164,837	151,435	109,634	112,109	114,259	63,153	84,984	75,688	85,534	105,168	116,122	104,213	1,287,136	2.64
Mid-Peninsula WD	134,669	128,924	118,284	109,652	86,670	72,835	82,360	79,782	102,964	91,491	97,806	103,863	1,209,300	2.48
Millbrae	104,641	120,513	106,074	95,372	84,054	59,619	70,396	62,545	65,526	74,061	82,175	78,073	1,003,049	2.06
North Coast CWD	126,876	128,386	114,340	114,906	90,278	113,151	115,480	108,100	133,269	102,969	110,330	106,815	1,364,900	2.80
Redwood City	478,220	475,873	399,547	344,412	207,567	279,745	245,009	297,041	314,119	317,652	356,656	383,858	4,099,699	8.40
San Bruno	156,159	139,214	136,384	135,425	106,307	125,103	112,998	114,634	122,785	120,420	126,520	133,951	1,529,900	3.14
Westborough WD	36,248	36,094	30,516	35,535	27,234	30,488	25,120	28,082	25,465	37,205	27,076	37,971	377,034	0.77
Subtotal	4,029,056	3,888,344	3,427,495	3,230,577	2,427,314	2,226,635	2,402,723	2,285,836	2,751,271	2,789,000	2,880,767	3,003,175	35,342,193	72.43
% of Annual Use	11%	11%	10%	9%	7%	6%	7%	6%	8%	8%	8%	8%		
Santa Clara County														
Milpitas	516,550	464,728	441,811	411,763	358,226	295,630	322,568	275,768	335,490	327,556	359,129	352,804	4,462,023	9.14
Mountain View	538,367	517,921	423,424	427,069	277,219	245,283	283,523	265,096	343,427	345,109	383,542	385,603	4,435,583	9.09
Palo Alto	588,976	626,313	523,133	491,771	429,922	261,112	314,397	295,512	329,943	410,584	435,237	384,682	5,091,582	10.43
Purissima Hills WD	108,306	108,273	105,409	84,437	68,508	26,954	35,558	34,804	42,533	61,737	65,038	61,756	803,313	1.65
San Jose	254,712	305,952	212,697	257,000	161,277	170,844	159,345	162,205	176,108	213,821	188,713	259,001	2,521,675	5.17
Santa Clara	1,035,294	1,158,843	906,026	987,130	687,701	585,582	595,848	654,665	731,143	806,059	770,556	849,856	9,768,702	20.02
Stanford	164,677	176,723	166,837	136,086	112,042	61,838	69,121	71,466	98,372	110,328	119,214	109,668	1,396,372	2.86
Sunnyvale	907,528	871,040	747,348	756,641	542,724	438,602	515,566	461,360	631,100	610,667	658,057	654,448	7,795,081	15.97
Subtotal	4,114,410	4,229,793	3,526,685	3,551,897	2,637,619	2,085,845	2,295,926	2,220,876	2,688,116	2,885,861	2,979,486	3,057,818	36,274,331	74.34
% of Annual Use	11%	12%	10%	10%	7%	6%	6%	6%	7%	8%	8%	8%		
Alameda County														
Alameda CWD	1,880,481	1,820,359	1,607,628	1,508,317	1,214,442	1,092,175	1,162,803	1,061,341	1,301,341	1,305,600	1,367,917	1,429,305	16,751,709	34.33
Hayward	676,885	696,144	607,766	650,951	543,049	418,812	562,255	474,690	464,672	531,858	491,068	516,466	6,634,616	13.60
Subtotal	2,557,366	2,516,503	2,215,394	2,159,268	1,757,491	1,510,987	1,725,058	1,536,031	1,766,013	1,837,458	1,858,985	1,945,771	23,386,325	47.93
% of Annual Use	11%	11%	9%	9%	8%	6%	7%	7%	8%	8%	8%	8%		
Total	10,700,832	10,634,640	9,169,574	8,941,742	6,822,424	5,823,467	6,423,707	6,042,743	7,205,400	7,512,319	7,719,238	8,006,764	95,002,849	194.69
% of Annual Use	11%	11%	10%	9%	7%	6%	7%	6%	8%	8%	8%	8%		

Source: BAWSCA FY 2014-15 Annual Survey

Table 3E-1: Demand Projections by Source (in mgd)**Purchases from SF RWS**

Member	FY 2015-16	FY 2020-21	FY 2025-26	FY 2030-31	FY 2035-36	FY 2040-41
San Mateo County						
Brisbane / GVMID	0.63	0.78	0.95	0.95	0.95	0.95
Burlingame	3.58	4.97	5.02	5.10	5.21	5.41
CWS - Bear Gulch	8.90	11.70	11.71	11.82	11.95	12.10
CWS - Mid-Peninsula	11.33	15.44	15.46	15.61	15.83	16.12
CWS - South SF	5.13	6.27	6.29	6.36	6.46	6.58
CWS Total	25.36	33.41	33.46	33.79	34.24	34.80
Coastside CWD	1.49	1.70	1.73	1.77	2.03	2.03
Daly City	3.40	4.29	4.29	4.29	4.29	4.29
East Palo Alto	1.83	2.01	2.14	2.30	2.54	3.05
Estero MID	4.09	4.22	4.21	4.18	4.19	4.20
Hillsborough	2.20	3.09	3.05	3.02	3.00	2.99
Menlo Park	3.34	3.67	3.84	4.02	4.22	4.42
Mid-Peninsula WD	3.04	3.18	3.22	3.23	3.27	3.30
Millbrae	2.36	2.56	2.63	2.71	2.82	2.93
North Coast CWD	2.99	3.04	3.03	3.01	2.99	2.98
Redwood City	8.94	9.97	10.25	10.36	10.54	10.79
San Bruno	2.06	2.38	2.69	3.03	3.25	3.25
Westborough WD	0.83	0.81	0.79	0.77	0.76	0.74
Subtotal	66.14	80.09	81.31	82.53	84.29	86.13
Santa Clara County						
Milpitas	5.94	7.69	8.20	8.79	8.79	8.79
Mountain View	8.93	8.79	8.92	9.13	9.37	9.65
Palo Alto	8.50	10.60	10.20	9.90	9.70	9.50
Purissima Hills WD	1.82	1.78	1.75	1.72	1.71	1.71
San Jose	4.50	4.50	4.50	4.50	4.50	4.50
Santa Clara	4.50	4.50	4.50	4.50	4.50	4.50
Stanford	1.90	1.90	2.10	2.20	2.40	2.70
Sunnyvale	7.93	9.93	10.95	10.95	10.95	10.95
Subtotal	44.02	49.68	51.12	51.69	51.93	52.30
Alameda County						
Alameda CWD	7.68	7.68	8.90	9.64	9.89	10.06
Hayward	17.48	21.52	22.80	23.58	24.18	25.38
Subtotal	25.16	29.20	31.70	33.22	34.07	35.44
Total	135.32	158.97	164.13	167.44	170.29	173.87
Total w/o SJ & SC	126.32	149.97	155.13	158.44	161.29	164.87
Source: BAWSCA FY 2014-15 Annual Survey						

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

Groundwater Production						
Member	FY 2015-16	FY 2020-21	FY 2025-26	FY 2030-31	FY 2035-36	FY 2040-41
San Mateo County						
CWS - South SF	1.17	1.37	1.37	1.37	1.37	1.37
Coastside CWD	0.01	0.11	0.11	0.11	0.11	0.11
Daly City	2.40	3.43	3.43	3.43	3.43	3.43
East Palo Alto	0.00	0.03	0.06	0.07	0.11	0.17
San Bruno	1.50	1.50	1.50	1.50	1.67	2.02
Subtotal	5.08	6.44	6.47	6.48	6.69	7.10
Santa Clara County						
Mountain View	0.23	0.23	0.24	0.25	0.26	0.26
San Jose	1.91	2.73	3.39	4.10	4.95	4.95
Santa Clara	9.49	9.70	9.71	9.76	10.13	10.45
Stanford	0.50	0.55	0.60	0.65	0.70	0.75
Sunnyvale	0.12	0.40	0.30	0.30	0.30	0.30
Subtotal	12.25	13.61	14.24	15.06	16.34	16.71
Alameda County						
Alameda CWD	5.51	7.13	8.02	8.07	7.97	7.91
Total	22.84	27.18	28.73	29.61	31.00	31.72
<i>Source: BAWSCA FY 2014-15 Annual Survey</i>						

Table 3E-3: Demand Projections by Source (in mgd)**Surface Water Production**

Demand Projections By Source (in mgd)						
Surface Water Production						
Member	FY 2015-16	FY 2020-21	FY 2025-26	FY 2030-31	FY 2035-36	FY 2040-41
San Mateo County						
CWS - Bear Gulch 1	0.39	1.13	1.13	1.13	1.13	1.13
Coastside CWD 2	0.30	0.68	0.68	0.68	0.68	0.68
Subtotal	0.69	1.81	1.81	1.81	1.81	1.81
Santa Clara County						
Stanford	0.50	0.55	0.60	0.65	0.70	0.75
Alameda County						
Alameda CWD 3	5.13	5.82	5.92	5.96	5.98	5.99
Total	5.82	7.63	7.73	7.77	7.79	8.55
1 Bear Gulch						
2 Pilarcitos/Crystal Springs						
3 Del Valle Reservoir						

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

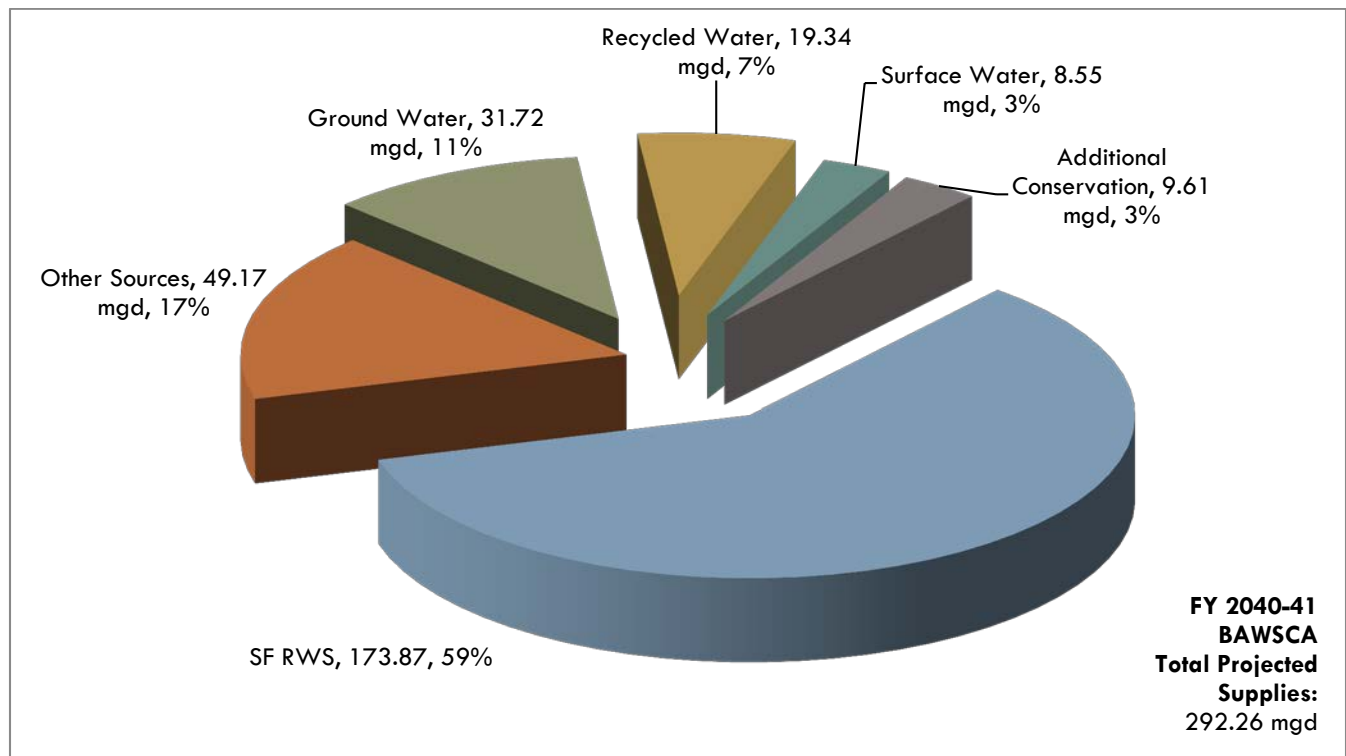
Recycled Water						
Member	FY 2015-16	FY 2020-21	FY 2025-26	FY 2030-31	FY 2035-36	FY 2040-41
San Mateo County						
Burlingame	0.30	0.30	0.30	0.30	0.30	0.30
Daly City	2.00	2.77	6.40	6.40	6.40	6.40
Millbrae	0.01	0.03	0.03	0.03	0.03	0.03
North Coast CWD	0.04	0.04	0.04	0.04	0.04	0.04
Redwood City	0.88	0.80	0.96	1.12	1.28	1.44
Subtotal	3.23	3.94	7.73	7.89	8.05	8.21
Santa Clara County						
Milpitas	0.98	1.19	1.37	1.56	1.76	1.76
Mountain View	0.18	0.41	0.61	1.15	1.44	1.44
Palo Alto	0.50	0.50	0.50	0.50	0.50	0.50
San Jose	1.10	1.36	1.66	2.01	2.33	2.33
Santa Clara	3.20	3.30	3.40	3.50	3.50	3.60
Sunnyvale	0.64	1.30	1.40	1.50	1.50	1.50
Subtotal	6.60	8.06	8.94	10.22	11.03	11.13
Total	9.83	12.00	16.67	18.11	19.08	19.34
Source: BAWSCA FY 2014-15 Annual Survey						

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

Milpitas 1	3.07	3.89	5.12	6.35	8.20	8.20
Mountain View 1	1.18	1.18	1.18	1.18	1.18	1.18
Santa Clara 1	4.10	4.08	4.08	4.08	4.08	4.1
Sunnyvale 1	8.54	8.93	9.84	11.36	11.36	11.36
Subtotal	16.89	18.09	20.23	22.98	24.82	24.84
Alameda County						
Alameda CWD 3	14.29	21.50	23.16	23.85	24.09	24.33
Total	31.18	39.59	43.39	46.83	48.91	49.17
1 Purchases from SCVWD						
2 Purchases from State Water Project and desalination						
Source: BAWSCA FY 2014-15 Annual Survey						

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

Source	FY 2015-16	FY 2020-21	FY 2025-26	FY 2030-31	FY 2035-36	FY 2040-41
SF RWS	135.32	158.97	164.13	167.44	170.29	173.87
Groundwater	22.84	27.18	28.73	29.61	31.00	31.72
Surface Water	5.82	7.63	7.73	7.77	7.79	8.55
Recycled	9.83	12.00	16.67	18.11	19.08	19.34
Other	31.18	39.59	43.39	46.83	48.91	49.17
Additional Conservation	2.22	5.03	6.68	8.06	9.09	9.61
Total	205.00	250.38	267.33	277.81	286.16	292.26

Figure 3E: Demand Projections by Source – FY 2040-41 (in mgd)

4. Current Water Use by Customer Class

Figure 4A: Water Use by Customer Class – FY 2014-15

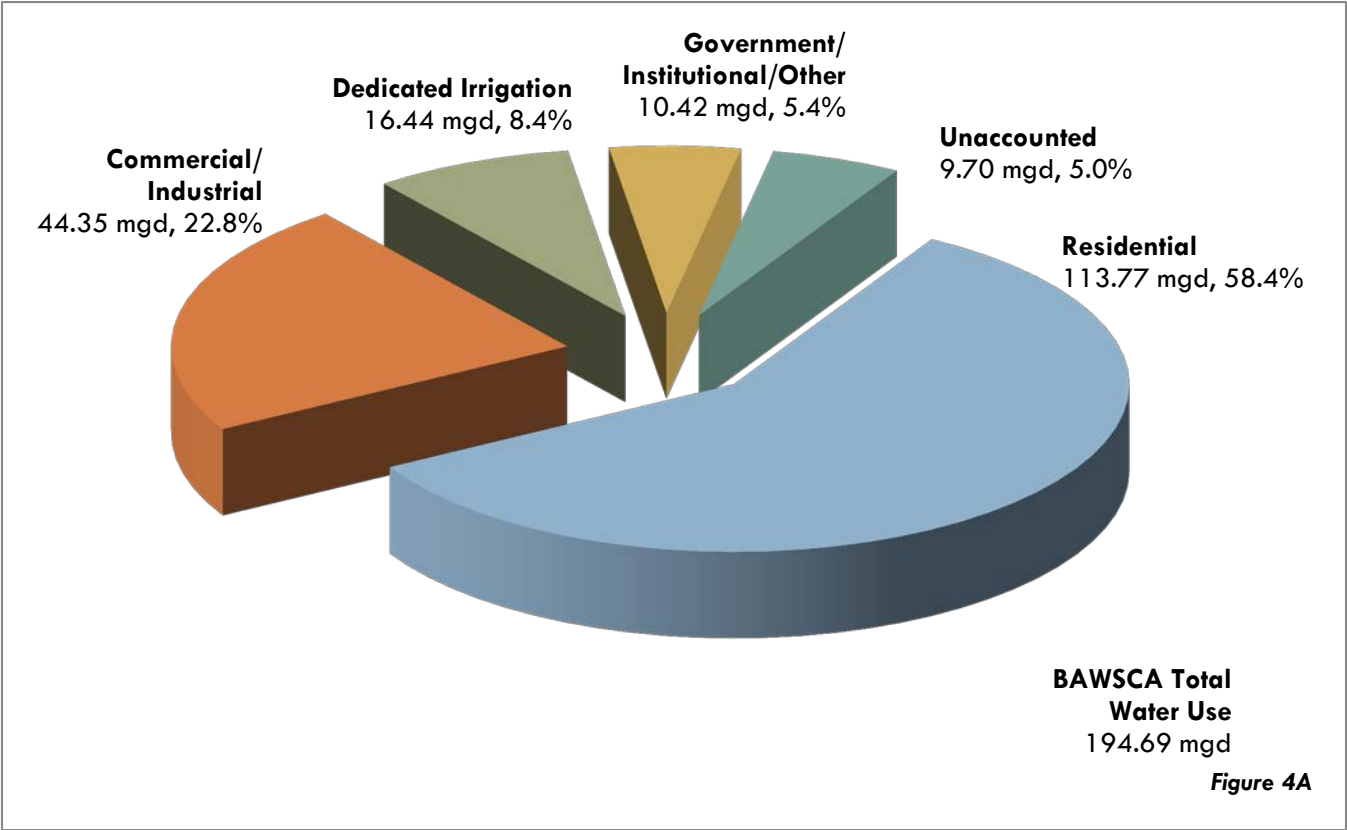


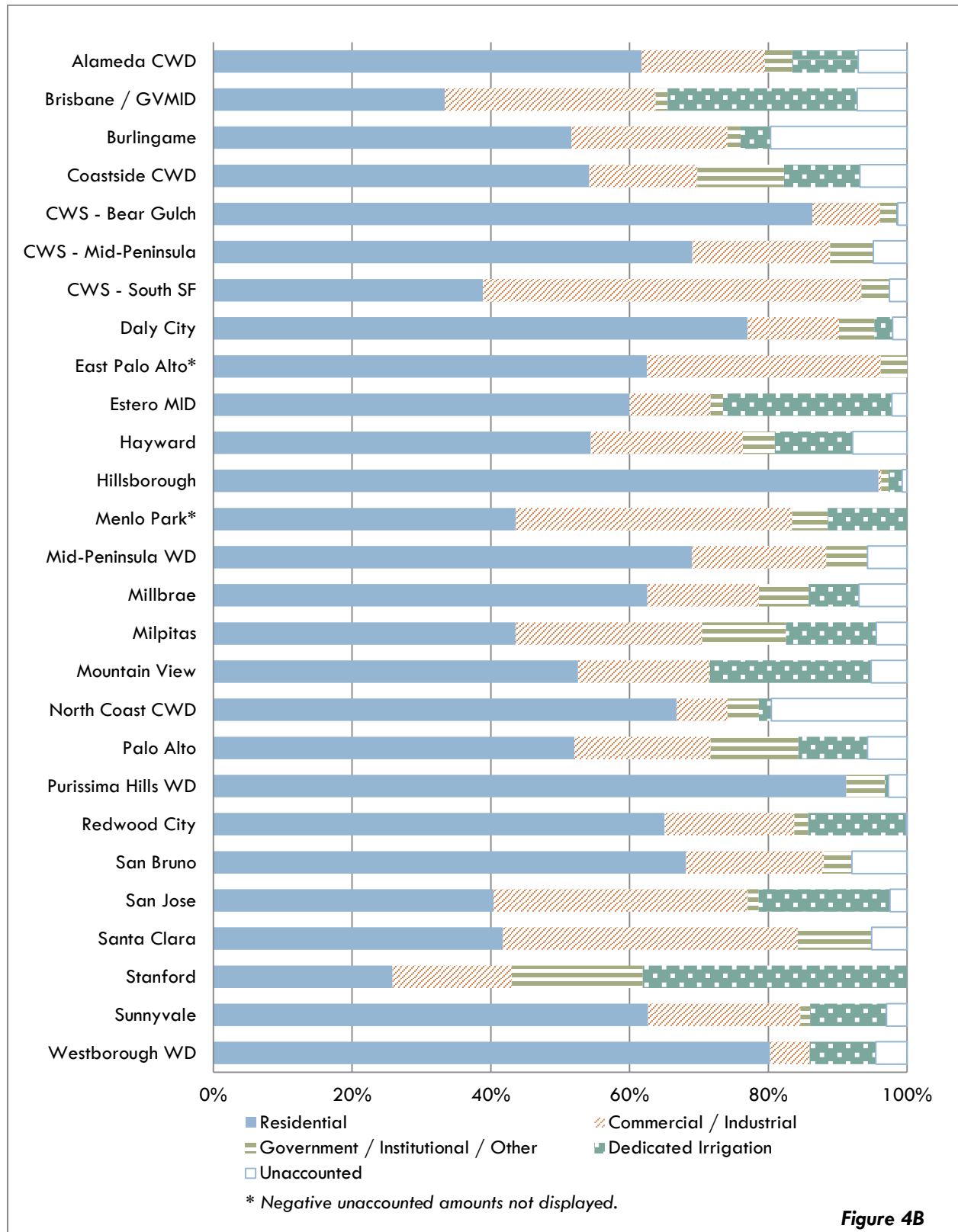
Figure 4B: Water Use by Sector for BAWSCA Agencies – FY 2014-15**Figure 4B**

Table 4A: Water Use by Customer Class – FY 2014-15 (in ccf)

	Residential			Non-Residential							Total Consumption	
	Single Family	Multiple Family				Comm'l/Ind'l	Gov't/ Instit'l/Other		Dedicated Irrigation†	Unaccounted		
Member	Family	Family	Subtotal	Commercial	Industrial	Subtotal		Subtotal				mgd
San Mateo County												
Brisbane / GVMID	77,708	15,712	93,420	85,018	0	85,018	4,795	89,813	76,522	20,274	280,029	0.57
Burlingame	692,665	307,547	1,000,212	233,487	202,586	436,073	36,765	472,838	83,796	381,093	1,937,939	3.97
CWS - Bear Gulch	4,456,461	91,131	4,547,592	513,727	1,095	514,822	123,349	638,171	11,584	70,287	5,267,634	10.80
CWS - Mid-Peninsula	3,308,416	845,507	4,153,923	1,173,734	21,535	1,195,269	374,940	1,570,209	0	291,926	6,016,058	12.33
CWS - South SF	1,118,243	152,997	1,271,240	1,468,145	316,337	1,784,482	131,918	1,916,400	0	83,026	3,270,666	6.70
Coastside CWD	435,186	40,305	475,491	136,816	0	136,816	109,486	246,302	96,101	59,685	877,579	1.80
Daly City	1,533,358	695,678	2,229,036	381,122	103	381,225	148,036	529,261	76,081	60,673	2,895,051	5.93
East Palo Alto*	514,992	0	514,992	267,937	9,234	277,171	31,276	308,447	0	-54,523	768,916	1.58
Estero MID	496,844	661,296	1,158,140	195,645	29,635	225,280	35,024	260,304	469,617	42,465	1,930,526	3.96
Hillsborough	1,176,162	0	1,176,162	4,826	0	4,826	13,090	17,916	23,941	8,758	1,226,777	2.51
Menlo Park	432,062	134,871	566,933	235,530	282,021	517,551	67,003	584,554	148,509	-12,860	1,287,136	2.64
Mid-Peninsula WD	639,869	194,155	834,024	204,341	30,076	234,417	71,882	306,299	0	68,977	1,209,300	2.48
Millbrae	465,343	162,107	627,450	161,459	0	161,459	71,796	233,255	72,645	69,699	1,003,049	2.06
North Coast CWD	737,838	173,670	911,508	99,795	0	99,795	62,064	161,859	24,484	267,049	1,364,900	2.80
Redwood City	1,916,358	750,209	2,666,567	694,749	71,359	766,108	82,618	848,726	579,350	5,056	4,099,699	8.40
San Bruno*	1,041,912	0	1,041,912	304,363	0	304,363	61,674	366,037	0	121,951	1,529,900	3.14
Westborough	263,052	39,492	302,544	21,572	0	21,572	0	21,572	35,974	16,944	377,034	0.77
Subtotal	19,306,469	4,264,677	23,571,146	6,182,266	963,981	7,146,247	1,425,716	8,571,963	1,698,604	1,500,480	35,342,193	72.43
mgd equiv	39.57	8.74	48.30	12.67	1.98	14.64	2.92	17.57	3.48	3.07	72.43	
Santa Clara County												
Milpitas	1,275,991	667,203	1,943,194	593,020	607,395	1,200,415	538,925	1,739,340	581,420	198,069	4,462,023	9.14
Mountain View	1,102,652	1,228,920	2,331,572	637,933	199,056	836,989	7,947	844,936	1,030,128	228,947	4,435,583	9.09
Palo Alto	1,983,558	666,318	2,649,876	825,770	172,990	998,760	645,761	1,644,521	506,450	290,735	5,091,582	10.43
Purissima Hills WD	732,811	0	732,811	0	0	0	44,713	44,713	4,305	21,484	803,313	1.65
San Jose	106,883	912,072	1,018,955	141,504	781,673	923,177	40,372	963,549	476,737	62,434	2,521,675	5.17
Santa Clara	2,061,340	2,014,977	4,076,317	2,949,990	1,201,509	4,151,499	1,043,433	5,194,932	0	497,453	9,768,702	20.02
Stanford	157,768	202,866	360,634	0	239,727	239,727	263,966	503,693	532,045	2	1,396,374	2.86
Sunnyvale	2,596,289	2,289,324	4,885,613	1,710,519	0	1,710,519	111,072	1,821,591	857,993	229,884	7,795,081	15.97
Subtotal	10,017,292	7,981,680	17,998,972	6,858,736	3,202,350	10,061,086	2,696,189	12,757,275	3,989,078	1,529,008	36,274,333	74.34
mgd equiv	20.53	16.36	36.89	14.06	6.56	20.62	5.53	26.14	8.17	3.13	74.34	
Alameda County												
Alameda CWD	7,225,175	3,112,448	10,337,623	2,015,971	967,086	2,983,057	658,676	3,641,733	1,590,737	1,181,616	16,751,709	34.33
Hayward	2,286,472	1,323,478	3,609,950	514,460	938,518	1,452,978	306,320	1,759,298	744,222	521,146	6,634,616	13.60
Subtotal	9,511,647	4,435,926	13,947,573	2,530,431	1,905,604	4,436,035	964,996	5,401,031	2,334,959	1,702,762	23,386,325	47.93
mgd equiv	19.49	9.09	28.58	5.19	3.91	9.09	1.98	11.07	4.79	3.49	47.93	
Total	38,835,408	16,682,283	55,517,691	15,571,433	6,071,935	21,643,368	5,086,901	26,730,269	8,022,641	4,732,250	95,002,851	194.69
mgd equiv	79.59	34.19	113.77	31.91	12.44	44.35	10.42	54.78	16.44	9.70	194.69	
* Single family amount includes multi-family				† Dedicated Irrigation refers to separately metered irrigation usage								
Source: BAWSCA FY 2014-15 Annual Survey												

Table 4B: Number of Customer Accounts – FY 2014-15

	Residential						Non-Residential			
	Single	Multiple	Res			Ind/Comm	Gov't,	Non-Res	Dedicated	
Member	Family*	Family	Subtotal	Commercial	Industrial	Subtotal	Other	Subtotal	Irrigation†	Total
San Mateo County										
Brisbane / GVMID	1,501	117	1,618	283	0	283	0	283	90	1,991
Burlingame	6,839	738	7,577	502	263	765	604	1,369	191	9,137
CWS - Bear Gulch	16,972	86	17,058	1,348	1	1,349	141	1,490	8	18,556
CWS - Mid-Peninsula	31,224	692	31,916	3,383	94	3,477	351	3,828	0	35,744
CWS - SSF	13,946	164	14,110	1,904	58	1,962	223	2,185	0	16,295
Coastside CWD	6,257	136	6,393	334	0	334	1,140	1,474	71	7,938
Daly City	18,500	2,787	21,287	675	5	680	131	811	246	22,344
East Palo Alto	4,550	0	4,550	350	85	435	194	629	0	5,179
Estero MID	4,534	2,547	7,081	179	60	239	241	480	525	8,086
Hillsborough	4,128	0	4,128	13	0	13	15	28	57	4,213
Menlo Park	3,390	210	3,600	3,600	163	3,763	665	4,428	132	8,160
Mid-Peninsula WD	7,140	204	7,344	481	52	533	97	630	0	7,974
Millbrae	5,752	273	6,025	297	0	297	146	443	87	6,555
North Coast CWD	11,154	304	11,458	399	0	399	101	500	88	12,046
Redwood City	19,145	1,668	20,813	1,470	48	1,518	803	2,321	421	23,555
San Bruno	7,553	1,101	8,654	612	3	615	129	744	126	9,524
Westborough WD	3,730	14	3,744	44	0	44	0	44	92	3,880
Subtotal	166,315	11,041	177,356	15,874	832	16,706	4,981	21,687	2,134	201,177
Santa Clara County										
Milpitas	12,400	1,800	14,200	600	320	920	75	995	580	15,775
Mountain View	12,291	2,492	14,783	1,431	599	2,030	28	2,058	1,016	17,857
Palo Alto	15,029	1,923	16,952	1,494	91	1,585	955	2,540	371	19,863
Purissima Hills WD	2,068	0	2,068	0	0	0	106	106	10	2,184
San Jose	1,143	204	1,347	122	254	376	54	430	350	2,127
Santa Clara	17,232	4,869	22,101	2,643	385	3,028	345	3,373	0	25,474
Stanford				Not Applicable						
Sunnyvale	23,668	1,720	25,388	3,068	0	3,068	283	3,351	2,312	31,051
Subtotal	83,831	13,008	96,839	9,358	1,649	11,007	1,846	12,853	4,639	114,331
Alameda County										
Alameda CWD	72,101	2,551	74,652	3,832	1,184	5,016	1,001	6,017	2,338	83,007
Hayward	28,356	1,428	29,784	1,854	1,749	3,603	431	4,034	1,328	35,146
Subtotal	100,457	3,979	104,436	5,686	2,933	8,619	1,432	10,051	3,666	118,153
Total	350,603	28,028	378,631	30,918	5,414	36,332	8,259	44,591	10,439	433,661
*Individually metered homes, townhouses, and condos			† Dedicated Irrigation refers to separately metered irrigation usage							
Source: BAWSCA FY 2014-15 Annual Survey										

5. Climatological Data

Table 5A: Climatological Data

Rainfall				
	Precipitation (Inches)			
	Redwood City*	San Jose	Newark	SF Airport
Historical Avg (1948-2014)				
	19.2	14.6	14.6	19.9
Recent Past				
FY 2010-11	19.4	15.6	15.3	22.9
FY 2011-12	15.5	7.1	8.5	13.3
FY 2012-13	13.9	9.4	12.2	12.9
FY 2013-14	6.6	6.3	6.9	8.8
FY 2014-15	12.9	13.7	14.6	17.0
FY 2014-15 Deviation from Historical Avg				
	-6.3	-0.9	0.0	-2.9
Temperature				
	Average Maximum Temperature (Degrees F)			
	Redwood City*	San Jose	Newark	SF Airport
Historical Avg (1948-2005)				
Annual	71.0	70.8	68.2	65.2
Summer**	81.5	81.2	77.0	72.3
Recent Past				
2010-11 Annual	68.7	69.8	67.1	65.0
Summer**	78.1	80.2	75.6	73.2
2011-12 Annual	70.6	71.3	68.5	65.0
Summer**	79.8	80.9	76.7	71.3
2012-13 Annual	70.9	71.4	68.2	65.4
Summer**	78.1	79.1	74.9	69.1
2013-14 Annual	72.1	72.2	69.7	67.8
Summer**	79.5	79.4	75.9	72.0
2014-15 Annual	72.9	72.1	70.5	69.0
Summer**	81.3	79.6	77.5	74.9
FY 2013-14 Deviation From Historical Avg				
Annual	1.9	1.3	2.3	3.8
Summer**	-0.2	-1.6	0.5	2.6
*Values for Palo Alto were sometimes used in cases where Redwood City values were absent or incomplete.				
** July, August, September				
Source: Western Regional Climate Center				

Figure 5A: Total Annual Precipitation

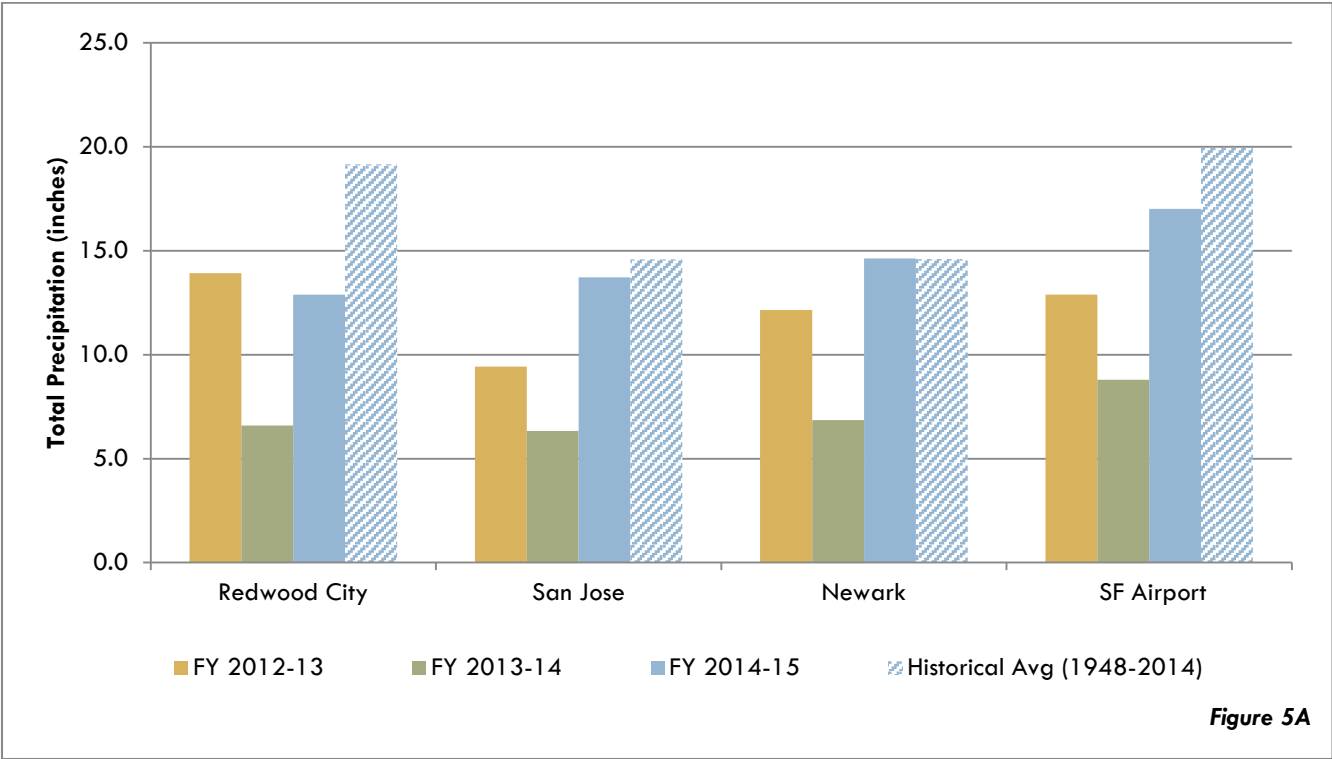
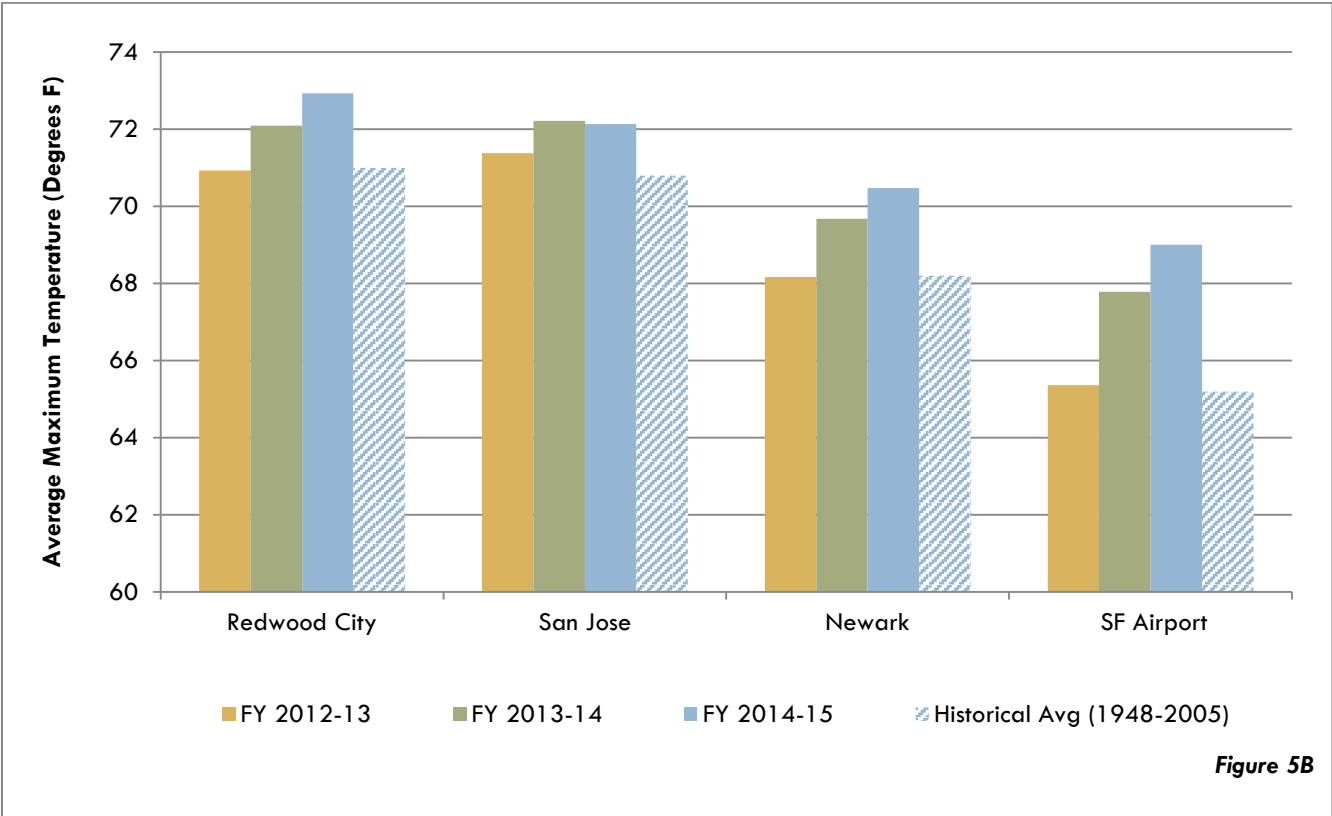


Figure 5B: Average Maximum Daily Temperature



6. Service Area Populations

Table 6: BAWSCA Service Area Populations

												Projections					
	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	FY 2011-12	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16	FY 2020-21	FY 2025-26	FY 2030-31	FY 2035-36	FY 2040-41
San Mateo County																	
Brisbane /GV MID	3,159	3,159	3,159	3,159	3,159	3,993	4,282	4,282	4,282	4,282	4,282	4,394	4,509	4,632	4,761	4,906	5,056
Burlingame	28,000	28,000	28,100	28,100	28,867	30,493	30,282	30,282	30,282	30,282	32,993	32,993	34,051	35,009	36,051	37,104	39,530
CWS - Bear Gulch	55,340	55,820	55,501	55,501	57,078	55,810	57,254	57,845	58,098	58,352	59,883	59,883	61,202	62,555	63,944	65,369	66,831
CWS - Mid-Peninsula	123,190	123,890	124,279	124,279	123,260	120,350	126,850	128,445	128,037	129,037	133,679	133,679	139,642	146,125	153,178	160,856	169,216
CWS - South SF	56,739	56,900	57,370	57,370	56,210	56,010	58,658	58,815	59,567	60,172	61,223	61,223	63,430	65,732	68,133	70,639	73,254
Coastside CWD	17,200	17,372	17,923	18,887	19,221	20,216	20,216	17,094	16,900	16,652	16,668	16,668	16,853	16,875	17,181	18,658	19,840
Daly City	104,450	104,661	106,160	106,361	107,099	107,773	101,920	102,043	102,820	104,462	108,510	108,510	109,000	110,000	111,000	112,000	113,000
East Palo Alto	31,500	25,696	29,690	29,690	29,690	29,690	26,181	25,215	25,927	25,927	29,143	30,501	31,767	33,122	34,570	36,120	37,781
Estero MID	34,385	34,385	34,385	36,000	36,100	36,100	36,100	36,100	36,567	37,000	37,088	37,088	37,924	38,442	38,869	39,223	39,600
Guadalupe Valley	438	438	438	438	438		Included with Brisbane										
Hillsborough	10,850	10,965	10,965	10,825	10,844	11,982	10,825	10,825	10,850	10,860	10,869	10,869	10,913	10,956	11,000	11,000	11,000
Los Trancos					Included with CWS - Bear Gulch												
Menlo Park	10,125	10,213	10,261	10,308	14,139	14,139	14,198	14,198	14,198	16,066	15,342	15,342	18,224	21,214	24,204	27,194	30,184
Mid-Peninsula WD	26,050	26,050	26,050	26,050	26,050	26,130	26,130	26,270	26,270	26,270	26,730	26,730	27,230	28,130	28,630	29,130	29,630
Millbrae	20,718	20,718	20,718	21,387	21,387	21,387	21,532	21,532	21,532	21,532	21,532	22,600	23,600	24,700	25,700	26,700	26,700
North Coast CWD	40,000	40,000	40,000	40,000	40,000	40,401	40,000	40,000	39,000	39,000	40,000	39,800	40,600	41,400	42,000	42,400	42,600
Redwood City	83,093	83,492	83,895	83,895	83,895	85,098	84,557	86,647	86,647	86,427	87,059	87,696	90,518	93,765	97,128	100,614	104,247
San Bruno	40,165	40,165	40,165	40,165	40,165	41,114	41,114	41,420	41,114	43,798	43,798	45,600	48,600	51,200	53,400	55,800	58,200
Skyline	1,210	1,812	1,812	1,658			Included with CWS - Bear Gulch										
Westborough WD	12,000	12,000	12,000	12,000	12,000	12,690	13,300	13,259	13,259	13,259	13,260	14,050	14,060	14,040	14,020	14,020	14,020
Subtotal	698,612	695,736	702,871	706,073	709,602	713,376	713,399	714,272	715,350	723,378	742,060	747,627	772,123	797,897	823,769	851,732	880,689
Santa Clara County																	
Milpitas	64,998	64,998	64,998	69,419	70,817	70,817	66,790	67,804	67,894	69,783	70,800	74,700	82,300	90,400	98,100	106,000	106,000
Mountain View	71,820	72,033	73,262	73,932	74,762	75,787	75,275	73,774	73,656	75,280	76,413	75,430	79,010	82,590	86,170	89,750	93,330
Palo Alto	59,900	62,148	62,148	63,467	63,400	65,408	64,403	64,538	66,368	66,642	66,152	67,400	70,500	73,700	77,100	80,800	84,600
Purissima Hills WD	6,000	6,000	6,050	6,050	6,050	6,060	6,118	6,120	6,127	6,142	6,140	6,150	6,165	6,180	6,195	6,220	6,240
San Jose	13,623	12,400	13,600	14,800	16,900	14,645	14,624	14,658	15,178	15,286	15,948	26,569	39,884	53,200	66,515	79,830	79,830
Santa Clara	103,200	110,771	114,238	114,238	117,200	118,830	118,830	118,263	119,311	118,459	120,973	125,397	131,732	136,660	141,587	146,917	152,247
Stanford	24,700	27,715	27,715	29,026	27,397	27,491	28,218	28,792	29,401	29,635	30,486	30,811	32,636	34,826	37,174	39,536	42,018
Sunnyvale	133,086	133,544	133,721	133,721	137,538	138,826	141,099	142,896	145,973	147,055	148,028	148,028	154,646	161,264	167,882	174,600	174,600
Subtotal	477,327	489,609	495,732	504,653	514,064	517,864	515,357	516,845	523,908	528,282	534,940	554,485	596,873	638,820	680,723	723,653	738,865
Alameda County																	
Alameda CWD	324,838	324,800	327,652	330,786	331,293	332,000	327,000	331,000	336,000	340,000	344,000	346,000	353,300	367,600	382,500	398,700	415,600
Hayward	146,027	146,398	147,845	149,205	150,878	153,104	146,000	147,113	148,756	151,037	152,889	150,919	157,500	164,400	171,800	179,700	188,000
Subtotal	470,865	471,198	475,497	479,991	482,171	485,104	473,000	478,113	484,756	491,037	496,889	496,919	510,800	532,000	554,300	578,400	603,600
Total	1,646,804	1,656,543	1,674,100	1,690,717	1,705,837	1,716,344	1,701,756	1,709,230	1,724,014	1,742,697	1,773,889	1,799,031	1,879,796	1,968,717	2,058,792	2,153,785	2,223,154
Source: BAWSCA Annual Surveys																	

Source: BAWSCA Annual Surveys

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7. Current Water Use Per Capita

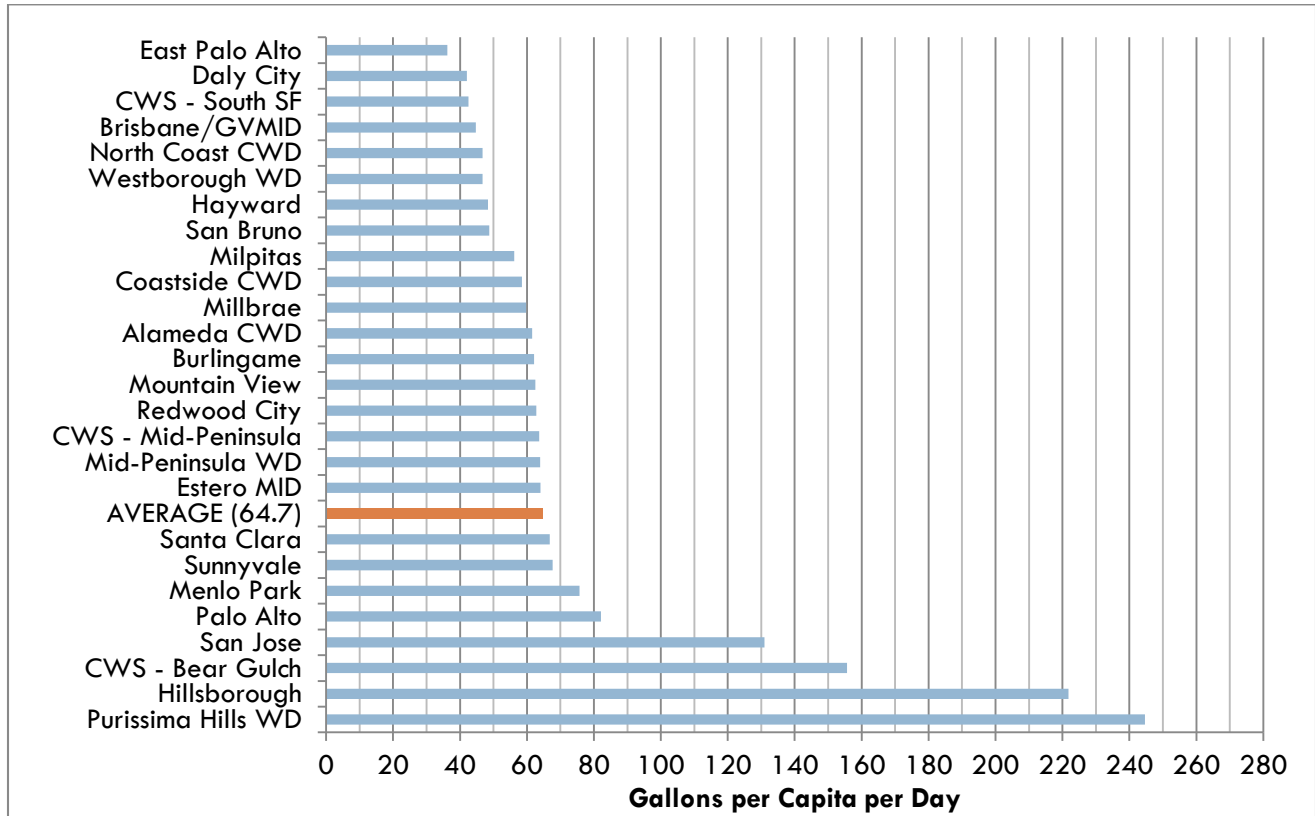
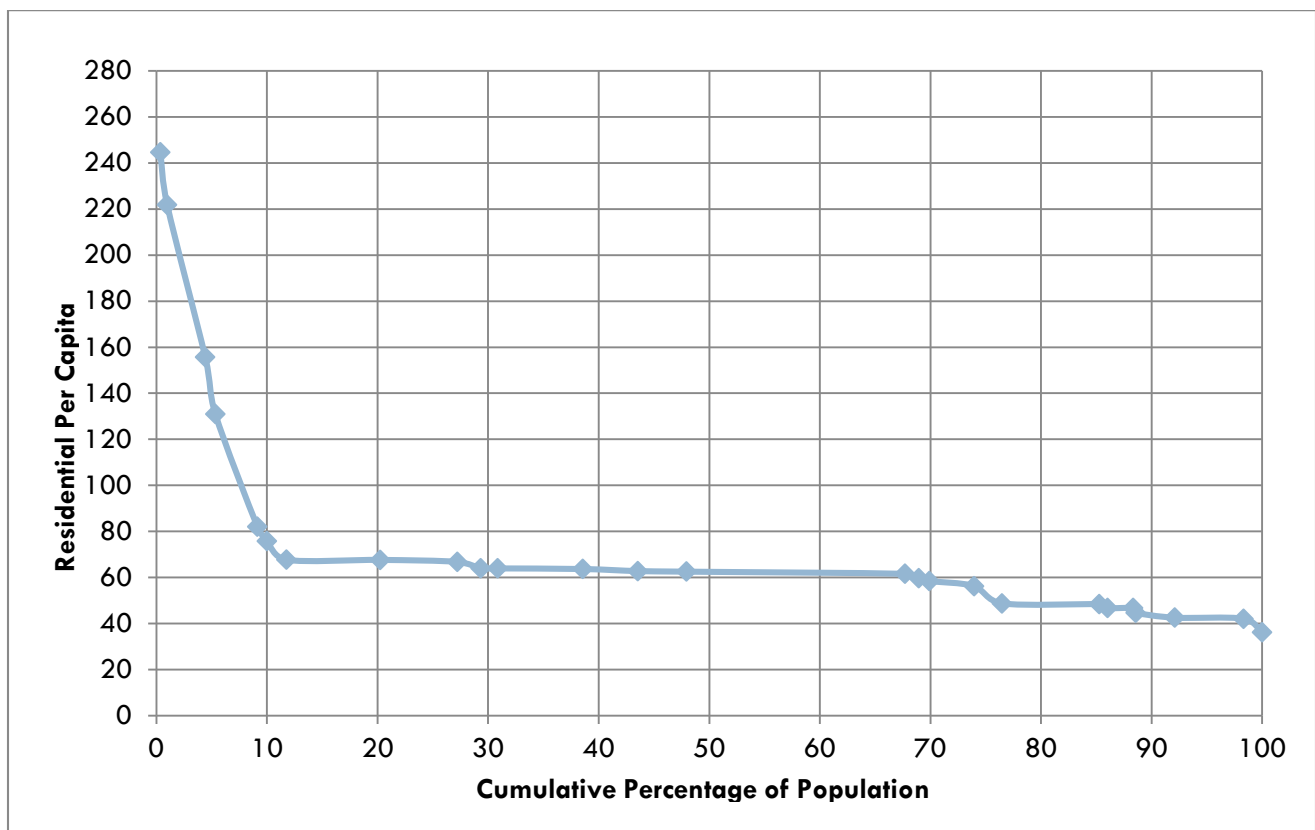
Figure 7A-1: Residential Per Capita Consumption - FY 2014-15 (in gpcd)**Figure 7A-2: Residential Per Capita Consumption (in gpcd) Distributed by Percentage of Population- FY 2014-15**

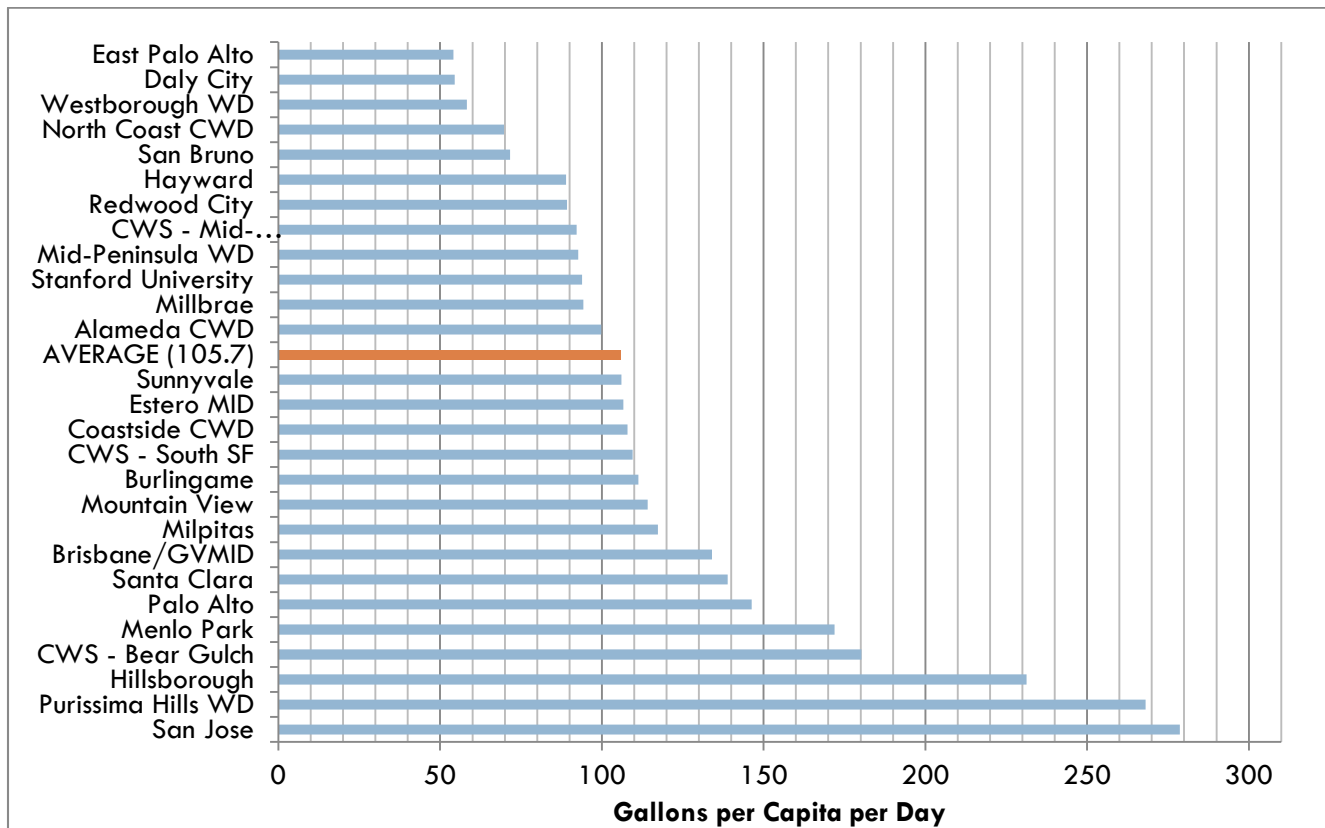
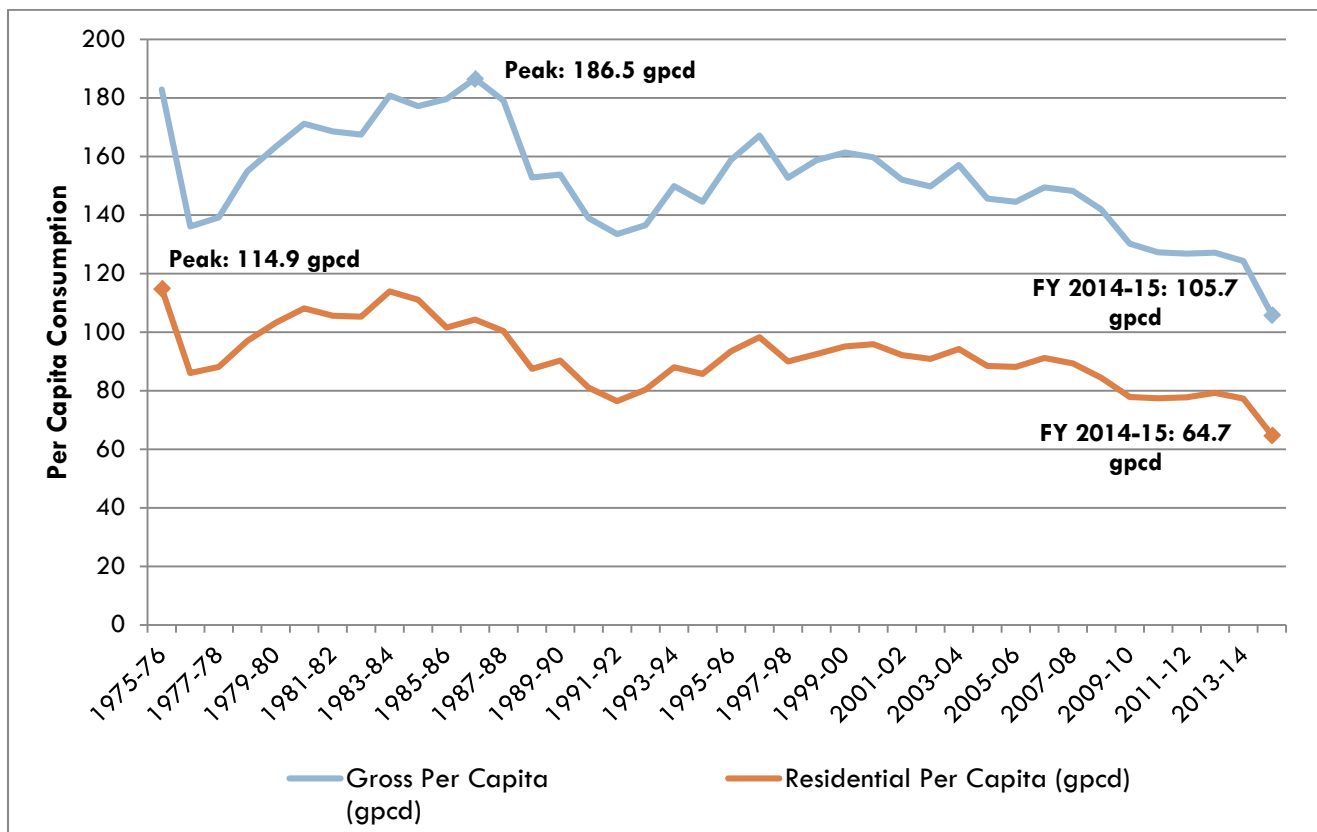
Figure 7B: Gross Per Capita Consumption(in gpcd) – FY 2014-15**Figure 7C: Historical BAWSCA/BAWUA Per Capita Consumption (in gpcd) - 1975-96 to Present**

Table 7A: Residential Per Capita Consumption and Single-Family Average Monthly Use Among BAWSCA Members - FY 2014-15

			*Residential	**Single-Family
	Service	Residential	Per Capita	Average
	Area	Consumption*	Consumption	Monthly Use
Member	Population	(ccf)	(gpcd)	(ccf)
East Palo Alto	29,143	514,992	36.2	n/a**
Daly City	108,510	2,229,036	42.1	6.9
CWS - South SF	61,223	1,271,240	42.6	6.7
Brisbane/GVMID	4,282	93,420	44.7	4.3
North Coast CWD	40,000	911,508	46.7	5.5
Westborough WD	13,260	302,544	46.8	5.9
Hayward	152,889	3,609,950	48.4	6.7
San Bruno	43,798	1,041,912	48.8	11.5
Milpitas	70,800	1,943,194	56.2	8.6
Coastside CWD	16,668	475,491	58.5	5.8
Millbrae	21,532	627,450	59.7	6.7
Alameda CWD	344,000	10,337,623	61.6	8.4
Burlingame	32,993	1,000,212	62.1	8.4
Mountain View	76,413	2,331,572	62.5	7.5
Redwood City	87,059	2,666,567	62.8	8.3
CWS - Mid-Peninsula	133,679	4,153,923	63.7	8.8
Mid-Peninsula WD	26,730	834,024	63.9	7.5
Estero MID	37,088	1,158,140	64.0	9.1
Santa Clara	120,973	3,941,805	66.8	10.0
Sunnyvale	148,028	4,885,613	67.6	9.1
Menlo Park	15,342	566,933	75.7	10.6
Palo Alto	66,152	2,649,876	82.1	11.0
San Jose	15,948	1,018,955	130.9	7.8
CWS - Bear Gulch	59,883	4,547,592	155.6	21.9
Hillsborough	10,869	1,176,162	221.8	23.7
Purissima Hills WD	6,140	732,811	244.6	29.5
Agency Totals	1,743,403	55,022,545		
Average Residential Per Capita Consumption			64.7	
Average Single Family Monthly Use				10.0
*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 2014-15 Annual Survey				

Table 7B: Gross Per Capita Consumption and Single-Family Average Monthly Use Among BAWSCA Members - FY 2014-15

California Water Service (CWS) is separated into its three service areas.			
	Service Area	*Total Consumption (ccf)	Gross Per Capita Consumption (gpcpd)
Member	Population		
East Palo Alto	29,143	768,916	54.1
Daly City	108,510	2,885,848	54.5
Westborough WD	13,260	377,034	58.3
North Coast CWD	40,000	1,360,780	69.7
San Bruno	43,798	1,529,900	71.6
Hayward	152,889	6,634,616	88.9
Redwood City	87,059	3,789,370	89.2
CWS - Mid-Peninsula	133,679	6,016,058	92.2
Mid-Peninsula WD	26,730	1,209,300	92.7
Stanford University	30,486	1,396,374	93.9
Millbrae	21,532	991,049	94.3
Alameda CWD	344,000	16,751,709	99.8
Sunnyvale	148,028	7,658,065	106.0
Estero MID	37,088	1,930,526	106.7
Coastside CWD	16,668	877,579	107.9
CWS - South SF	61,223	3,270,666	109.5
Burlingame	32,993	1,791,539	111.3
Mountain View	76,413	4,256,804	114.2
Milpitas	70,800	4,052,516	117.3
Brisbane/GVMID	4,282	280,029	134.0
Santa Clara	120,973	8,201,599	138.9
Palo Alto	66,152	4,723,751	146.3
Menlo Park	15,342	1,287,136	171.9
CWS - Bear Gulch	59,883	5,267,634	180.3
Hillsborough	10,869	1,226,777	231.3
Purissima Hills WD	6,140	803,313	268.1
San Jose**	15,948	2,168,818	278.7
Totals	1,773,889	91,507,706	
		Average gpcpd	105.7
		Median of Agencies	106.7
*Exclusive of recycled water; inclusive of unaccounted for water.			
**Service area predominantly commercial/industrial.			
Source: BAWSCA FY 2014-15 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

*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

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8. Current Residential Water Bills

Figure 8A: Single Family Water Bills Based on Average Monthly Use Using Rates in Effect for FY 2014-15

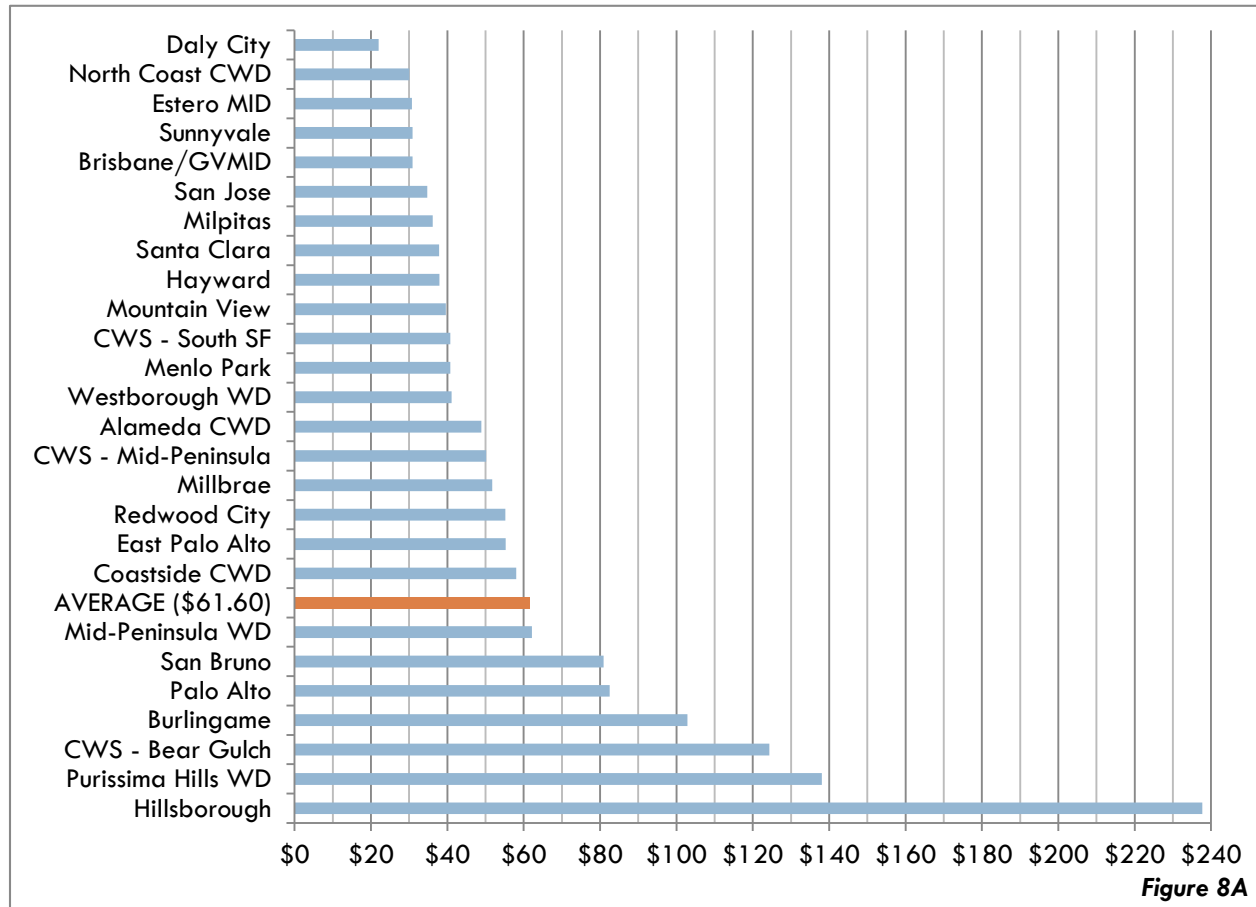


Table 8A: Single Family Water Bills* Based on Average Monthly Use for FY 2014-15, Using Rates in Effect for FY 2014-15

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
Daly City	6.9		\$22.04
North Coast CWD		5.5	\$30.07
Estero MID		9.1	\$30.74
Sunnyvale	9.1		\$30.86
Brisbane/GVMID	4.3		\$30.91
San Jose	7.8		\$34.72
Milpitas	8.6		\$36.15
Santa Clara	10.0		\$37.88
Hayward	6.7		\$37.92
Mountain View	7.5		\$39.60
CWS - South SF		6.7	\$40.81
Menlo Park	10.6		\$40.81
Westborough WD		5.9	\$41.08
Alameda CWD		8.4	\$48.94
CWS - Mid-Peninsula		8.8	\$50.15
Millbrae	6.7		\$51.74
Redwood City	8.3		\$55.16
East Palo Alto	9.4		\$55.32
Coastside CWD		5.8	\$58.03
Mid-Peninsula WD		7.5	\$62.15
San Bruno	11.5		\$80.94
Palo Alto	11.0		\$82.50
Burlingame	8.4		\$102.86
CWS - Bear Gulch		21.9	\$124.35
Purissima Hills WD		29.5	\$138.11
Hillsborough	23.7		\$237.70
Total Averages	9.4	10.9	\$61.60

Table 8B: Single Family Water Bills* Based on Average Monthly Use for FY 2014-15, Using Rates in Effect for FY 2014-15
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	Effective:	Remarks
Alameda CWD 8.4	Bimonthly	\$41.54	\$3.37		\$48.94	Effective:	05/01/2015 Does not include drought surcharge
Brisbane/Guadalupe Valley MID 4.3	Bimonthly	\$22.67	\$0.00	0 - 1	\$30.91	Effective:	10/15/2012
	3/4-inch meter		\$5.19	1 - 3			
			\$7.00	4 - 8			
			\$8.69	9 - 16			
			\$11.05	17 +			
Burlingame 8.4	Bimonthly	\$83.60	\$0.00	0.0 - 2.7	\$102.86	Effective:	1/1/2015
	Up to 3/4-inch meters		\$8.44	2.7 - 12.0			First 2,000 gallons per billing period included in bimonthly service charge
			\$8.91	12.0 - 24.1			
			\$10.28	24.1 - 40.1			
			\$12.10	40.1 +			
CWS - Bear Gulch 21.9	Monthly	\$19.60	\$4.63	0 - 10	\$124.35	Effective:	08/29/2014
	5/8 x 3/4 inch meter		\$4.92	11 - 34			
			\$5.88	35 +			
CWS - Mid Peninsula 8.8	Monthly	\$14.44	\$3.95	0 - 7	\$50.15	Effective:	08/29/2014
	5/8 x 3/4 inch meter		\$4.42	8 - 11			
			\$5.46	12 +			
CWS - South San Francisco 6.7	Monthly	\$14.44	\$3.95	0 - 7	\$40.81	Effective:	08/29/2014
	5/8 x 3/4 inch meter		\$4.42	8 - 11			
			\$5.46	12 +			
Coastside CWD 5.8	Bimonthly	\$40.13	\$6.55	0 - 8	\$58.03	Effective:	07/01/2014
	5/8-inch meter		\$7.22	9 - 25			
			\$9.38	26 - 40			
			\$11.61	40 +			
Daly City 6.9	Monthly	\$16.06	\$0	0 - 6	\$22.04	Effective:	7/1/2014
	5/8-inch meter		\$6.59	7 - 10			First 6 units included in bimonthly service charge
			\$6.75	11 - 14			
			\$6.92	15 - 20			
			\$7.06	21 - 50			
			\$7.23	51 - 70			
			\$7.37	71 - 100			
			\$7.56	101 - 200			
			\$7.70	201 - 500			
			\$7.89	501 - 1000			
			\$8.03	1001 +			
East Palo Alto 9.4	Bimonthly	\$15.37	\$5.05		\$55.32	Effective:	07/01/2014
	5/8- to 1-inch meters						
Estero MID 9.1	Bimonthly	\$16.00	\$2.49	0 - 10	\$30.74	Effective:	07/01/2014
			\$3.32	10 - 20			
			\$4.98	21 +			

* Average single family use among BAWSCA agencies varies from 4.3 to 29.5 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 2014-15, Using Rates in Effect for FY 2014-15
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	Bimonthly	\$12.00	\$4.75	1 - 8	\$37.92	Effective: 10/01/2014
6.7	5/8-inch meter		\$5.70	9 - 25		
			\$6.95	26 - 60		
			\$7.50	61 +		
Hillsborough	Monthly	\$50.00	\$7.17	0 - 10	\$237.70	Effective: 01/01/2015
23.7	Up to 1-inch meter		\$8.44	10 - 25		
			\$9.68	25 - 50		
			\$11.58	50 - 100		
			\$14.18	100 +		
Menlo Park	Bimonthly	\$16.84	\$2.69	0 - 5	\$40.81	Effective: 07/01/2014
10.6	5/8-inch meter		\$3.37	6 - 10		
			\$4.04	11 - 25		
			\$5.39	26 +		
Mid-Peninsula WD	Monthly	\$18.43	\$4.20	0 - 2	\$62.15	Effective: 07/01/2014
7.5	5/8-inch meter		\$6.46	3 - 10		
			\$7.75	11 - 25		
			\$9.04	26 +		
Millbrae	Bimonthly	\$30.00	\$5.45		\$51.74	Effective: 07/01/2014
6.7	3/4-inch meter					
Milpitas	Bimonthly	\$27.36	\$2.62	0 - 10	\$36.15	Effective: 07/28/2014
8.6	5/8-inch meter		\$3.48	>10 - 20		
			\$4.69	>20 - 30		
			\$5.29	>30 +		
Mountain View	Bimonthly	\$11.10	\$3.80	0 - 3	\$39.60	Effective: 07/01/2014
7.5	single-family accounts		\$5.06	3 - 15		
			\$8.10	15 +		
North Coast CWD	Bimonthly	\$26.76	\$2.72	0 - 5	\$30.07	Effective: 01/1/2014
5.5			\$6.03	6 - 16		
			\$8.63	17 - 28		
			\$15.83	29 +		
Palo Alto	Monthly	\$14.67	\$4.99	0 - 6	\$82.50	Effective: 06/30/2015
11.0	5/8-inch meter		\$7.58	7 +		
			\$0.00	0 - 0		
Purissima Hills WD	Monthly	\$15.00	\$3.21	1 - 10	\$138.11	Effective: 04/11/2012
29.5	3/4-inch meter		\$4.66	11 - 30		
			\$6.11	31 - 60		
			\$7.56	61 - 100		
			\$9.01	101 - 200		
			\$9.95	201 - up		

* Average single family use among BAWSCA agencies varies from 4.3 to 29.5 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 2014-15, Using Rates in Effect for FY 2014-15
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	Effective:	Remarks
Redwood City	Bimonthly	\$52.26	\$3.48	0 - 10	\$55.16	Effective:	07/01/2014
8.3			\$4.42	11 - 25			
			\$7.22	26 - 50			
			\$10.19	51 +			
San Bruno	Bimonthly	\$17.99	\$6.10	0 - 10	\$80.94	Effective:	07/01/2014
11.5	3/4-inch meter		\$7.32	10 - 20			
			\$9.76	20 +			
San Jose MWD-N	Bimonthly	\$25.02	\$2.85	0 - 14	\$34.72	Effective:	07/01/2014
7.8	5/8-inch meter		\$3.28	15 - 28			
			\$3.61	29 - 42			
			\$3.99	er 42 +			
Santa Clara	Monthly	\$3.80	\$3.80		\$37.88	Effective:	07/01/2014
10.0							Service charge is the minimum monthly charge, not added if usage is greater than the minimum charge.
Sunnyvale	Bimonthly	\$15.66	\$2.30	0 - 8	\$30.86	Effective:	07/01/2014
9.1	5/8 x 3/4 inch meter		\$4.06	9 - 30			
			\$5.85	31 - 90			
			\$7.61	91 +			
Westborough WD	Bimonthly	\$12.70	\$5.91		\$41.08	Effective:	07/01/2014
5.9							
* Average single family use among BAWSCA agencies varies from 4.3 to 29.5 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					
	**Average	Monthly					
	Monthly	Service					
	Bill	Charge					
All BAWSCA Agencies	\$61.60	\$14.65					
Municipal Agencies Only	\$61.45	\$14.85					
Special Districts / Private	\$61.80	\$14.38					
** Inclusive of service charge							
Source: BAWSCA FY 2014-15 Annual Survey							

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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

Alameda County Water District (ACWD) supplies water to the cities of Fremont, Newark, and Union City.

System

Profile

Area Size	104.8 sq. miles
Service Population	344,000
Number of Accounts	83,007
Number of SF RWS Connections	8
Connections To SF RWS Mains	BDPL 1, 2, 3, 4 and 5
Avg. Day Demand (mgd)	34.33
Avg. Day Purchases From SF RWS (mgd)	7.73
% Demand Met With SF RWS Supplies	22.5%
Maximum Local Water Production (mgd)	65.852 (7/16/10, Production facilities + direct SF RWS TOs + NUMMI)
Alternative Supply Sources	SF RWS, State Water Project (SWP), Local Groundwater
Interties With Other Agencies	Milpitas, Hayward
Local Storage (mg)	85.8 maximum capacity – volume in storage is typically 60 to 80% based on seasonal operating conditions
Days of Storage	1.8 – based on maximum capacity storage and average daily demand 42 mg of new treated water storage planned available by 2014

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 operates two surface water treatment plants that treat SWP 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 2000-2010 period, 36% 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 25% 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 39%) of the distribution system supplies.

Water Supply and Demand

Supply by Source	Actual FY 11-12 (ccf)	Actual FY 12-13 (ccf)	Actual FY 13-14 (ccf)	Actual FY 14-15 (ccf)
San Francisco Water	4,052,940	4,371,390	5,684,760	3,770,320
State Water Project	7,979,757	7,278,440	7,267,115	6,304,438
Desalinated Water	3,881,551	3,516,711	3,666,714	3,554,812
Local Groundwater	4,558,022	3,886,230	3,625,801	2,591,578
Surface Water	635,976	2,157,091	29,621	530,561
Recycled Water	0	0	0	0
Other	0	0	0	0
Total	21,108,246	21,209,862	20,274,011	16,751,709
mgd equivalent	43.26	43.47	41.55	34.31

Demand by Sector

Residential	12,774,687	13,656,723	13,250,738	10,337,623
Commercial/Industrial	2,770,570	3,265,490	3,282,861	2,983,057
Other	845,841	931,510	873,524	658,676
Dedicated Irrigation	2,742,603	2,506,906	2,354,869	1,590,737
Unaccounted for	1,974,545	849,233	512,019	1,181,616
Total	21,108,246	21,209,862	20,274,011	16,751,709
mgd equivalent	43.26	43.47	41.55	34.33

Per Capita Use	Actual FY 11-12 (gpcpd)	Actual FY 12-13 (gpcpd)	Actual FY 13-14 (gpcpd)	Actual FY 14-15 (gpcpd)
Residential	79	83	80	62
Gross	131	129	122	100

Storage Reservoirs

Designation	Capacity (gallons)	Designation	Capacity (gallons)
Alameda	16,250,000	Mayhew	4,450,000
Appian	780,000	Middlefield	7,230,000
Avalon	2,750,000	Ohlone	1,500,000
Canyon Heights	500,000	Patterson	14,400,000
Decoto	14,800,000	Vineyard Heights	500,000
Hidden Valley	2,000,000	Whitfield	20,000,000
		Total	85,160,000

ACWD Engineering Report, 1995. (Mayhew and Canyon Heights updated to reflect changed conditions)

Water Treatment Facilities

Designation	Capacity (mgd)	Status	Designation	Capacity (mgd)	Status
WTP #2	22	Active	Mission San Jose WTP	4	Active
Blending Facility	48	Active	Newark Desalination Facility	12.5	Active
			Total	86.5	

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	Inactive
			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

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City of Brisbane / Guadalupe Valley Municipal Improvement District

50 Park Lane

Brisbane, CA 94005

Phone: (415) 508-2130 Fax: (415) 467-5547

Web: <http://www.ci.brisbane.ca.us/html/cityDept/pw/water.asp>

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	3.5 square miles
Service Population*	4,282
Number of Accounts	1,991
Number of SF RWS Connections	5
Connections To SF RWS Mains	Crystal Springs Pipeline #1 and #2
Avg. Day Demand (mgd)	0.57
Avg. Day Purchases From SF RWS (mgd)	0.57
% Demand Met With SF RWS Supplies	100.0%
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 2010 U.S. Census data for the City of Brisbane.

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 11-12 (ccf)	Actual FY 12-13 (ccf)	Actual FY 13-14 (ccf)	Actual FY 14-15 (ccf)
San Francisco Water	280,650	287,290	302,776	280,029
Guadalupe Valley - SF RWS	0	0	0	0
Recycled Water	0	0	0	0
Other	0	0	0	0
Total	280,650	287,290	302,776	280,029
mgd equivalent	0.58	0.57	0.62	0.57

Demand by Sector

Residential	105,270	104,478	102,695	93,420
Commercial/Industrial	72,552	74,985	77,363	85,018
Other	4,477	6,998	13,488	4,795
Dedicated Irrigation	81,645	89,170	89,577	76,522
Unaccounted for	16,706	11,659	19,653	20,274
Total	280,650	287,290	302,776	280,029
mgd equivalent	0.58	0.59	0.62	0.57

Per Capita Use	Actual FY 11-12 (gpcpd)	Actual FY 12-13 (gpcpd)	Actual FY 13-14 (gpcpd)	Actual FY 14-15 (gpcpd)
Residential	50	50	49	45
Gross	134	137	145	134

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)
Crocker Tank	Concrete	1,000,000
Glen Park Tank 1	Steel	200,000
Glen Park Tank 2	Steel	200,000
Guadalupe Tank	Steel	1,000,000
Margaret Tank	Steel	500,000
Total		2,900,000

Interties

Name	No.	Diameter (in.)
CWS - South San Francisco	1	16
Daly City	2	6, 12
GVMID	3	12, 12, 12

City of Burlingame

501 Primrose Road

Burlingame, California 94010-3997

Phone: (650) 558-7230 Fax (650) 685-9310

Web: http://www.burlingame.org/p_w/water/water_system.htm

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	30,282
Number of Accounts	9,137
Number of SF RWS Connections	6
Connections To SF RWS Mains	Crystal Springs #2 and #3, Sunset Pipeline
Avg. Day Demand (mgd)	3.97
Avg. Day Purchases From SF RWS (mgd)	3.67
% Demand Met With SF RWS Supplies	92.4%
Maximum Local Water Production (mgd)	0
Alternative Supply Sources	None
Interties With Other Agencies	California Water Service Company (CWS) – City of 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 11-12 (ccf)	Actual FY 12-13 (ccf)	Actual FY 13-14 (ccf)	Actual FY 14-15 (ccf)
San Francisco Water	2,012,282	1,952,965	2,001,619	1,791,539
Recycled Water	146,400	146,400	146,400	146,400
Other	0	0	0	0
Total	2,158,682	2,099,365	2,001,619	1,937,939
mgd equivalent	4.42	4.30	4.40	3.97

Demand by Sector

Residential	1,167,336	1,178,972	1,179,652	1,000,212
Commercial/Industrial	496,385	496,130	426,610	436,073
Other	36,454	152,075	135,455	36,765
Dedicated Irrigation	118,114	125,393	103,322	83,796
Unaccounted for	340,393	146,795	302,980	83,796
Total	2,158,682	2,099,365	2,001,619	1,937,939
mgd equivalent	4.42	4.30	4.40	3.97

Per Capita Use	Actual FY 11-12 (gpcpd)	Actual FY 12-13 (gpcpd)	Actual FY 13-14 (gpcpd)	Actual FY 14-15 (gpcpd)
Residential	79	80	80	62
Gross	136	132	135	111

Facilities and Distribution**Storage Reservoirs**

Designation	Type	Capacity (gallons)	Designation	Type	Capacity (gallons)
Alcazar Tanks	Dual, Circular, Steel	100,000	Hillside Reservoir	Rectangular, Concrete	1,500,000
Donnelly Tanks	Dual, Circular, Steel	100,000	Mills Tank	Circular, Prestressed Concrete	1,071,000
			Skyview Reservoir	Rectangular, Concrete	170,000
Total					2,941,000

Interties

Name	No.	Diameter (in.)	Name	No.	Diameter (in.)
CWS – City of San Mateo	2	6	Millbrae	2	6
	1	8		3	8
Hillsborough	4	6		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.

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	59,883
Number of Accounts	18,556
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)	
Avg. Day Purchases From SF RWS (mgd)	
% Demand Met With SF RWS Supplies	
Maximum Local Water Production (mgd)	6.028 (0.028)
Alternative Supply Sources	Local Surface Water, Local Groundwater-(Skyline system only)
Interties With Other Agencies	Redwood City, Menlo Park, (None)
Local Storage (mg)	11.3 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 Skyline system is not hydraulically connected

to the Bear Gulch system and receives 100% of its supply from the SF RWS. The Woodside Mutual system has been connected to the main Bear Gulch system for several years and has been served by Cal Water since this time.

The distribution systems consist of 57 pressure zones, 77 booster pumps, 35 storage tanks and reservoirs, 2,278 hydrants, and 289 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 11-12 (ccf)	Actual FY 12-13 (ccf)	Actual FY 13-14 (ccf)	Actual FY 14-15 (ccf)
San Francisco Water	5,755,767	5,814,767	6,259,793	5,077,292
Local Groundwater	0	0	0	0
Surface Water	249,082	301,395	0	190,342
Recycled Water	0	0	0	0
Other	0	0	0	0
Total	6,004,849	6,116,162	6,259,793	5,267,634
mgd equivalent	12.31	12.53	12.83	10.80

Demand by Sector

Residential	4,915,720	5,099,148	5,213,264	4,547,592
Commercial/Industrial	579,629	579,757	553,536	514,822
Other	134,950	156,803	166,553	123,349
Dedicated Irrigation	0	12,328	9,578	11,584
Unaccounted for	374,550	268,126	316,862	70,287
Total	6,004,849	6,116,162	6,259,793	5,267,634
mgd equivalent	12.31	12.53	12.83	10.80

Per Capita Use	Actual FY 11-12 (gpcpd)	Actual FY 12-13 (gpcpd)	Actual FY 13-14 (gpcpd)	Actual FY 14-15 (gpcpd)
Residential	174	180	183	156
Gross	213	216	220	180

Facilities and Distribution

Storage Reservoirs

Designation	Type	Capacity (gallons)	Designation	Type	Capacity (gallons)
Bear Gulch Reservoir*	Earth	215,000,000	Sta. 028-Tank 1	Steel	200,000
Sta. 002-Tank 1	Steel	250,000	Sta. 029-Tank 1	Fiberglass -Lined Redwood	100,000
Sta. 002-Tank 2	Steel	500,000	Sta. 029-Tank 2	Fiberglass -Lined Redwood	100,000
Sta. 005-Tank 6	Fiberglass -Lined Redwood	100,000 (inactive)	Sta. 029-Tank 3	Steel	150,000
Sta. 005-Tank 8	Steel	250,000	Sta. 030-Tank 1	Steel	1,000,000
Sta. 005-Tank 9	Steel	1,000,000	Sta. 031-Tank 2	Steel	165,000
Sta. 006-Tank 1	Steel	200,000	Sta. 032-Tank 1	Steel	250,000
Sta. 007-Tank 5	Fiberglass -Lined Redwood	100,000	Sta. 033-Tank 1	Steel	10,000
Sta. 015-Tank 1	Fiberglass -Lined Redwood	30,000	Sta. 034-Tank 1	Concrete	50,000
Sta. 016-Res.1	Steel	1,000,000	Sta. 036-Tank 1	Steel	125,000
Sta. 017-Tank 1	Steel	250,000	Sta. 037-Tank 1	Steel	55,000
Sta. 019-Tank 1	Steel	500,000	Sta. 038-Tank 1	Steel	212,000
Sta. 019-Tank 2	Steel	500,000	Sta. 039-Tank 1	Steel	282,000
Sta. 021-Tank 1	Steel	1,000,000	Sta. 041-Tank 1	Steel	189,000
Sta. 021-Tank 2	Steel	1,000,000	Sta. 041-Tank 2	Steel	192,000
Sta. 022-Tank 1	Steel	450,000	Sta. 042-Tank 1	Steel	60,000
Sta. 025-Tank 1	Fiberglass -Lined Redwood	100,000	Sta. 042-Tank 2	Steel	60,000
Sta. 027-Tank 4	Steel	750,000			
Total					226,192,000

* 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

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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	133,679
Number of Accounts	35,744
Number of SF RWS Connections	6
Connections To SF RWS Mains	Bay Crossing 1 and 2, BDPL 1 and 2, Crystal Springs #2, Sunset Pipeline
Avg. Day Demand (mgd)	
Avg. Day Purchases From SF RWS (mgd)	
% Demand Met With SF RWS Supplies	
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 11-12 (ccf)	Actual FY 12-13 (ccf)	Actual FY 13-14 (ccf)	Actual FY 14-15 (ccf)
San Francisco Water	6,905,680	6,046,107	6,956,723	6,016,058
Local Groundwater	0	0	0	0
Surface Water	0	0	0	0
Recycled Water	0	0	0	0
Other	0	0	0	0
Total	6,905,680	6,046,107	6,956,723	6,016,058
mgd equivalent	14.15	12.39	14.26	12.33

Demand by Sector

Residential	4,958,993	4,922,016	4,843,897	4,153,923
Commercial/Industrial	1,278,832	1,274,219	1,295,186	1,195,269
Other	332,187	401,387	442,095	374,940
Unaccounted for	335,668	-551,515	375,545	291,926
Total	6,905,680	6,046,107	6,956,723	6,016,058
mgd equivalent	14.15	12.39	14.26	12.33

Per Capita Use	Actual FY 11-12 (gpcpd)	Actual FY 12-13 (gpcpd)	Actual FY 13-14 (gpcpd)	Actual FY 14-15 (gpcpd)
Residential	79	79	77	64
Gross	110	97	110	92

Facilities and Distribution**Storage Reservoirs**

Designation	Type	Capacity (gallons)	Designation	Type	Capacity (gallons)
San Mateo			San Mateo		
Sta. 006-Res. 1	Brick	2,290,000	Sta. 027-Tank 1	Steel	2,500,000
Sta. 017-Tank 1	Steel	500,000	Sta. 027-Tank 2	Steel	2,500,000
Sta. 017-Tank 2	Steel	500,000	Sta. 029-Tank 1	Steel	1,000,000
Sta. 017-Tank 3	Steel	500,000	Sta. 030-Tank 1	Steel	500,000
Sta. 023-Tank 1	Steel	1,000,000	Sta. 031-Tank 1	Steel	216,000
Sta. 024-Tank 1	Steel	500,000	Sta. 032-Tank 1	Steel	250,000
Sta. 024-Tank 2	Steel	500,000	Sta. 032-Tank 2	Steel	500,000
Sta. 025-Tank 1	Fiberglass-Lined	100,000	Sta. 033-Tank 1	Steel	300,000

Designation	Type	Capacity (gallons)
	Redwood	
Sta. 025-Tank 2	Steel	250,000
Sta. 025-Tank 3	Steel	250,000

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

San Mateo Total 14,656,000

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Storage Reservoirs

Designation	Type	Capacity (gallons)
San Carlos		
Sta. 103-Tank 1	Concrete	0
Sta. 106-Tank 2	Steel	0
Sta. 106-Tank 3	Steel	500,000
Sta. 109-Tank 1	Concrete	50,000
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. 122-Tank 1	Fiberglass-Lined Redwood	0
Sta. 122-Tank 2	Fiberglass-Lined Redwood	0
Sta. 123-Tank 3	Steel	250,000
Sta. 123-Tank 4	Steel	425,000
Sta. 124-Tank 1	Steel	78,000
Sta. 125-Tank 1	Fiberglass-Lined Redwood	50,000

San Carlos Total 5,303,000

San Mateo and San Carlos Total 19,959,000

Interties

Name	No.	Diameter (in.)
San Carlos		
Redwood City	3	8, 8, 12
Mid-Peninsula WD	3	8, 8, 8

Name	No.	Diameter (in.)
San Mateo		
Burlingame	3	4, 4, 6
Hillsborough WD	2	6, 6, 6
Mid-Peninsula WD	2	6, 6, 6
Estero MID	1	12

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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	61,223
Number of Accounts	16,295
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)	
Avg. Day Purchases From SF RWS (mgd)	
% Demand Met With SF RWS Supplies	
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. Cal Water had been participating in a Conjunctive Use Pilot Program during which the South San Francisco District had received 100% of its supply from the SF RWS. However, in 2007 Cal Water began operating its well again. 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 11-12 (ccf)	Actual FY 12-13 (ccf)	Actual FY 13-14 (ccf)	Actual FY 14-15 (ccf)
San Francisco Water	3,440,317	3,351,878	3,144,748	2,745,921
Local Groundwater	242,098	268,948	471,510	524,745
Surface Water	0	0	0	0
Recycled Water	0	0	0	0
Other	0	0	0	0
Total	3,682,415	3,620,826	3,616,258	3,270,666
mgd equivalent	7.55	7.42	7.41	6.70

Demand by Sector

Residential	1,491,132	1,478,039	1,432,239	1,271,240
Commercial/Industrial	1,863,982	1,895,035	1,912,861	1,784,482
Other	139,056	167,479	178,111	131,918
Unaccounted for	188,245	80,273	93,047	83,026
Total	3,682,415	3,620,826	3,616,258	3,270,666
mgd equivalent	7.55	7.42	7.41	6.70

Per Capita Use	Actual FY 11-12 (gpcpd)	Actual FY 12-13 (gpcpd)	Actual FY 13-14 (gpcpd)	Actual FY 14-15 (gpcpd)
Residential	52	51	49	43
Gross	128	125	123	109

Facilities and Distribution**Storage Reservoirs**

Designation	Type	Capacity (gallons)	Designation	Type	Capacity (gallons)
Sta. 001-Tank 1	Steel	500,000	Sta. 013-Res.10, Tank 1	Steel	500,000
Sta. 001-Tank 2	Steel	75,000	Sta. 011-Res. 7, Tank 1	Steel	250,000
Sta. 005-Res. 2	Concrete	1,500,000	Sta. 011-Res. 7, Tank 2	Steel	500,000
Sta. 008-Res. 1	Concrete	1,500,000	Sta. 012-Res. 9, Tank 1	Steel	500,000
Sta. 004-Res. 4, Tank 3	Steel	250,000	Sta. 014-Res. 11, Tank 1	Steel	1,000,000
Sta. 004-Res. 4, Tank 4	Steel	250,000	Sta. 015-Res. 12, Tank 1	Steel	1,000,000
Sta. 009-Tank 3	Redwood	50,000	Sta. 101-Tank 1	Steel	250,000
Total					8,125,000

Wells

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

Interties

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

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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 El Granada, Miramar, and Princeton by the Sea (Pillar Point Harbor).

System

Profile

Area Size	14 square miles
Service Population	16,668
Number of Accounts	7,938
Number of SF RWS Connections	2
Connections To SF RWS Mains	Crystal Springs Intake and Stone Dam (Pilarcitos Lake)
Avg. Day Demand (mgd)	1.80
Avg. Day Purchases From SF RWS (mgd)	1.49
% Demand Met With SF RWS Supplies	82.9%
Maximum 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 3.0 days

Summary

Coastside County Water District has four water sources: Pilarcitos Lake, Crystal Springs Reservoir, Pilarcitos Well Field, and the Denniston (well and surface water) Project. Water purchased from the SF RWS is supplied from two different sources: Pilarcitos Lake and Upper Crystal Springs Reservoir.

The Crystal Springs Water Supply Project, completed in 1994, consists of an intake tunnel under the reservoir, a pump station, and an eight-mile pipeline terminating at the Nunes Water Treatment Plant. Water is taken from Upper Crystal Springs Reservoir, when not available from Pilarcitos Lake or demand is greater than Pilarcitos Lake can supply. Deliveries taken from Upper Crystal Springs Reservoir and Pilarcitos Lake are limited by the capacity of the Nunes Treatment Plant, in addition to the design and capacity of the conveyance system.

The District maintains a distribution system that includes 7 pressure zones, 6 pump stations, 2 water treatment plants, 11 treated storage tanks, 637 hydrants, 10 miles of transmission (supply) pipeline, and 80 miles of distribution pipeline.

Water Supply and Demand

Supply by Source	Actual FY 11-12 (ccf)	Actual FY 12-13 (ccf)	Actual FY 13-14 (ccf)	Actual FY 14-15 (ccf)
San Francisco Water	832,099	885,895	940,214	727,298
Local Groundwater	0	896	2,674	6,297
Surface Water	64,532	109,586	54,372	143,984
Recycled Water	0	0	0	0
Total	896,631	996,377	997,260	877,579
mgd equivalent	1.84	2.04	2.04	1.80

Demand by Sector

Residential	534,063	554,030	552,572	475,491
Commercial/Industrial	219,616	211,793	136,934	136,816
Other	37,073	35,408	110,274	109,486
Dedicated Irrigation	61,515	111,778	122,219	96,101
Non-Revenue Water	44,364	83,368	75,260	59,685
Total	896,631	996,377	997,259	877,579
mgd equivalent	1.84	2.04	2.04	1.80

Per Capita Use	Actual FY 11-12 (gpcpd)	Actual FY 12-13 (gpcpd)	Actual FY 13-14 (gpcpd)	Actual FY 14-15 (gpcpd)
Residential	64	67	68	58
Gross	107	121	123	108

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
Hazen's	Redwood	0.05
Total		8.05

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		Standby
D3	37	Active
D4	35	Active
D5	35	Active
D9	45	Active
P1	40	November 1 - March 31
P2		Standby
P3		Standby
P3A		Standby
P4	100	November 1 - March 31 Standby
P4A	200	November 1 - March 31
P5	65	November 1 - March 31
Total	582	

*Capacity is dependent on stream flows

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City of Daly City

Department of Water and Wastewater

153 Lake Merced Boulevard

Daly City, California 94015-1097

Phone: (650) 991-8203 Fax: (650) 991-8220

Websites:

Water Department: http://www.dalycity.org/city_services/depts/wwr/water.htm

Conservation Info: http://www.ci.daly-city.ca.us/city_services/depts/wwr/water_conserve.html

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	108,510
Number of Accounts	22,344
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)	5.93
Avg. Day Purchases From SF RWS (mgd)	3.39
% Demand Met With SF RWS Supplies	57.2%
Maximum Local Water Production (mgd)	3.43
Alternative Supply Sources	Local Groundwater, Recycled Water
Interties With Other Agencies	GVMID, Brisbane, Cal Water, 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 11-12 (ccf)	Actual FY 12-13 (ccf)	Actual FY 13-14 (ccf)	Actual FY 14-15 (ccf)
San Francisco Water	1,811,358	1,955,442	1,713,514	1,654,762
SF RWS Supplemental Water	0	0	0	0
Local Groundwater	1,553,455	1,557,057	1,494,788	1,231,086
Recycled Water	4	67	141,131	9,203
Total	3,364,817	3,512,566	3,349,433	2,895,051
mgd equivalent	6.89	7.20	6.86	5.93

Recycled water reflected in this table shows the amount of recycled water that offsets SF RWS water.

Demand by Sector

Residential	2,441,327	2,450,378	2,401,406	2,229,036
Commercial/Industrial	388,425	366,905	381,955	381,225
Other	112,215	133,174	123,297	148,036
Dedicated Irrigation	83,170	179,064	238,144	76,081
Unaccounted for	339,680	383,045	204,631	60,673
Total	3,364,817	3,512,566	3,346,447	2,895,051
mgd equivalent	6.89	7.20	6.86	5.93

Per Capita Use	Actual FY 11-12 (gpcpd)	Actual FY 12-13 (gpcpd)	Actual FY 13-14 (gpcpd)	Actual FY 14-15 (gpcpd)
Residential	49	49	47	42
Gross (Less Recycled Water)	68	70	63	55

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	Active
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>

American Water Enterprises

2415 University Avenue, 2nd Floor

East Palo Alto, CA 94303

Phone: (650) 322-2083 Fax: (650) 325-5038

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	29,143
Number of Accounts	5,179
Number of SF RWS Connections	3
Connections To SF RWS Mains	BDPL 1 and 2
Avg. Day Demand (mgd)	1.57
Avg. Day Purchases From SF RWS (mgd)	1.57
% Demand Met With SF RWS Supplies	100.3%
Maximum Local Water Production (mgd)	0
Alternative Supply Sources	None
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" pipe line 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, American Water Enterprises. East Palo Alto sells a small amount of (SF RWS-supplied) water to Menlo Park under an existing agreement. Recently, Menlo Park is isolating its Distribution lines from that of East Palo Alto by cutting off and capping lines from the existing system.

There are no storage facilities or 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 11-12 (ccf)	Actual FY 12-13 (ccf)	Actual FY 13-14 (ccf)	Actual FY 14-15 (ccf)
San Francisco Water	951,828	1,012,810	723,320	768,310
Resale SF RWS (Menlo Park)	-44,166	-4,557	-4,280	- 2,536
Local Groundwater	0	2,686	1,000	0
Recycled Water	0	0	0	0
Other	0	0	0	606
Total	907,662	1,010,939	720,040	768,916
mgd equivalent	1.86	2.07	1.48	1.58

Demand by Sector

Residential	671,437	653,028	645,589	514,992
Commercial/Industrial	181,956	153,188	141,482	277,171
Other	0	19,402	24,366	31,276
Unaccounted for	54,269	185,321	-91,397	-54,523
Total	907,662	1,010,939	811,437	768,916
mgd equivalent	1.86	2.07	1.48	1.58

Per Capita Use	Actual FY 11-12 (gpcpd)	Actual FY 12-13 (gpcpd)	Actual FY 13-14 (gpcpd)	Actual FY 14-15 (gpcpd)
Residential	55	52	51	36
Gross	74	80	57	54

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	> 1	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	37,088
Number of Accounts	8,086
Number of SF RWS Connections	1
Connections To SF RWS Mains	Crystal Springs #2
Avg. Day Demand (mgd)	3.96
Avg. Day Purchases From SF RWS (mgd)	3.96
% Demand Met With SF RWS Supplies	100.0%
Maximum Local Water Production (mgd)	0
Alternative Supply Sources	None
Interties With Other Agencies	CWS - 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 11-12 (ccf)	Actual FY 12-13 (ccf)	Actual FY 13-14 (ccf)	Actual FY 13-14 (ccf)
San Francisco Water	1,966,984	2,000,497	1,942,333	1,930,526
Local Groundwater	0	0	0	0
Surface Water	0	0	0	0
Recycled Water	0	0	0	0
Other	0	0	0	0
Total	1,966,984	2,000,497	1,942,333	1,930,526
mgd equivalent	4.03	4.10	3.98	3.96

Demand by Sector

Residential	1,366,887	1,372,204	1,306,850	1,158,140
Commercial/Industrial	260,004	241,330	238,343	225,280
Other	11,687	51,058	56,839	35,024
Dedicated Irrigation	478,538	518,825	545,676	469,617
Unaccounted for	-150,132	-182,920	-205,375	42,465
Total	1,966,984	2,000,497	1,942,333	1,930,526
mgd equivalent	4.03	4.10	3.98	3.96

Per Capita Use	Actual FY 11-12 (gpcpd)	Actual FY 12-13 (gpcpd)	Actual FY 13-14 (gpcpd)	Actual FY 14-15 (gpcpd)
Residential	78	77	72	64
Gross	112	112	108	107

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 Department - Utilities Division

777 B Street

Hayward, California 94541

Phone: (510) 583-4727 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	152,889
Number of Accounts	35,146
Number of SF RWS Connections	4 (two at each turnout)
Connections To SF RWS Mains	BDPL 1 and 2
Avg. Day Demand (mgd)	13.60
Avg. Day Purchases From SF RWS (mgd)	13.60
% Demand Met With SF RWS Supplies	100.0%
Maximum Local Water Production (mgd)	0
Alternative Supply Sources	Local Groundwater (Emergency Use Only)
Interties With Other Agencies	ACWD, EBMUD
Local Storage (mg)	29.4
Days of Storage	1.7 – 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, 14 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 emergency water wells can be brought online in the event of a transmission system failure.

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 pressure zone from SF RWS with sufficient pressure under most conditions. 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 zone

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

Water Supply and Demand

Supply by Source	Actual FY 11-12 (ccf)	Actual FY 12-13 (ccf)	Actual FY 13-14 (ccf)	Actual FY 14-15 (ccf)
San Francisco Water	7,610,980	7,552,956	7,402,067	6,634,616
Local Groundwater	0	0	0	0
Recycled Water	0	0	0	0
Total	7,610,980	7,552,956	7,402,067	6,634,616
mgd equivalent	15.60	15.48	15.17	13.60

Demand by Sector

Residential	4,273,560	4,213,609	4,157,114	3,609,950
Commercial/Industrial	1,532,401	1,491,773	1,630,978	1,452,978
Other	379,585	475,964	383,686	306,320
Dedicated Irrigation	954,253	997,089	1,012,601	744,222
Unaccounted for*	471,181	374,521	217,688	521,146
Total	7,610,980	7,552,956	7,402,067	6,634,616
mgd equivalent	15.60	15.48	15.17	13.60

Per Capita Use	Actual FY 11-12 (gpcpd)	Actual FY 12-13 (gpcpd)	Actual FY 13-14 (gpcpd)	Actual FY 14-15 (gpcpd)
Residential	60	58	56	48
Gross	106	104	100	89

*Staff believes that unaccounted for water is not representative of true system losses, but rather reflects in part aging meter stock. A water loss study was recently completed, and correction actions are underway including replacement of under-performing meters and comprehensive leak detection (as reflected in reduced FY11-12 unaccounted for amount).

Facilities and Distribution

Storage Reservoirs

Designation	Type	Capacity (gallons)	Designation	Type	Capacity (gallons)
Treeview	Concrete	3,000,000	250 West	Concrete	500,000
Maitland	Concrete	1,000,000	Highland 500	Concrete	3,000,000
North Walpert	Concrete	1,500,000	Highland 750	Steel	4,400,000
South Walpert	Steel	5,300,000	Highland 1000	Steel	2,200,000
D Street	Concrete	1,000,000	Highland 1285	Steel	1,800,000
High School	Concrete	1,000,000	Garin Hills	Steel	1,250,000
250 East	Concrete	500,000	Highland 1530	Steel	2,900,000
			Total		29,350,000

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	

Interties

Name	No.	Diameter (in.)
EBMUD*	3	10, 12, 36**
ACWD	1	12

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

**Regional intertie between SF RWS and EBMUD.

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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	10,869
Number of Accounts	4,213
Number of SF RWS Connections	9 Turnouts, 12 meters
Connections To SF RWS Mains	Crystal Springs #2, Sunset Pipeline
Avg. Day Demand (mgd)	2.51
Avg. Day Purchases From SF RWS (mgd)	2.51
% Demand Met With SF RWS Supplies	100.0%
Maximum Local Water Production (mgd)	0
Alternative Supply Sources	None
Interties With Other Agencies	Burlingame, CWS - 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 11-12 (ccf)	Actual FY 12-13 (ccf)	Actual FY 13-14 (ccf)	Actual FY 14-15 (ccf)
San Francisco Water	1,587,057	1,609,532	1,599,812	1,226,777
Resale SF RWS (CWS)	- 6,200	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	1,580,857	1,609,532	1,599,812	1,226,777
mgd equivalent	3.24	3.30	3.28	2.51

Demand by Sector ²

Residential	1,349,520	1,417,783	1,459,092	1,176,162
Commercial/Industrial	5,421	7,000	0	4,826
Institutional/Other	10,455	13,517	23,485	13,090
Dedicated Irrigation	20,878	5,563	22,319	23,941
Unaccounted for	194,583	155,669	94,916	8,758
Total	1,580,857	1,609,532	1,599,812	1,226,777
mgd equivalent	3.24	3.30	3.28	2.51

Per Capita Use	Actual FY 11-12 (gpcpd)	Actual FY 12-13 (gpcpd)	Actual FY 13-14 (gpcpd)	Actual FY 14-15 (gpcpd)
Residential	255	268	275	222
Gross	300	304	302	231

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.

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City of Menlo Park

Menlo Park Municipal Water Department

701 Laurel Street

Menlo Park, California 94025-3483

Phone: (650) 330-6750 E-mail: water@menlopark.org

Web: <http://www.menlopark.org/water>

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	4 square miles
Service Population	15,342
Number of Accounts	8,160
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)	2.64
Avg. Day Purchases From SF RWS (mgd)	2.64
% Demand Met With SF RWS Supplies	100.0%
Maximum Local Water Production (mgd)	0
Alternative Supply Sources	None
Interties With Other Agencies	CWS - Bear Gulch District, Redwood City, East Palo Alto, O'Conner Tract Water Coop, Palo Alto Park Mutual Water Co.
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, and the remainder from East Palo Alto, whose source is also 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. The distribution system includes one pump station, two storage reservoirs, and 63 miles of mains.

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, East Palo Alto and Palo Alto Park Mutual Water Co. CWS is the primary emergency source of water for Menlo Park.

Water Supply and Demand

Supply by Source	Actual FY 11-12 (ccf)	Actual FY 12-13 (ccf)	Actual FY 13-14 (ccf)	Actual FY 14-15 (ccf)
San Francisco Water	1,571,933	1,580,278	1,724,965	1,287,136
Resale SF RWS Purchase	49,812	4,358	4,434	0
Other	0	0	0	0
Total	1,621,745	1,584,636	1,729,399	1,287,136
mgd equivalent	3.32	3.25	3.54	2.64

Demand by Sector

Residential	684,431	687,547	669,505	566,933
Commercial/Industrial	562,070	511,026	605,384	517,551
Other	86,337	81,601	82,272	67,003
Dedicated Irrigation	105,176	181,100	221,816	148,509
Unaccounted for	183,731	123,362	150,422	-12,860
Total	1,621,745	1,584,636	1,729,399	1,287,136
mgd equivalent	3.32	3.25	3.54	2.64

Per Capita Use	Actual FY 11-12 (gpcpd)	Actual FY 12-13 (gpcpd)	Actual FY 13-14 (gpcpd)	Actual FY 14-15 (gpcpd)
Residential	99	99	85	76
Gross	234	229	221	172

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	1	12
O'Conner Tract	1	6
Redwood City	1	6
Palo Alto Park	1	6

Mid-Peninsula Water District

Three Dairy Lane

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	26,730
Number of Accounts	7,974
Number of SF RWS Connections	2
Connections To SF RWS Mains	BDPL 1 and 2, Crystal Springs Bypass Tunnel
Avg. Day Demand (mgd)	2.48
Avg. Day Purchases From SF RWS (mgd)	2.48
% Demand Met With SF RWS Supplies	100.0%
Maximum Local Water Production (mgd)	0
Alternative Supply Sources	None
Interties With Other Agencies	Estero MID, Redwood City, CWS - San Mateo, CWS - 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 11-12 (ccf)	Actual FY 12-13 (ccf)	Actual FY 13-14 (ccf)	Actual FY 14-15 (ccf)
San Francisco Water	1,437,360	1,453,047	1,408,109	1,209,300
Local Groundwater	0	0	0	0
Surface Water	0	0	0	0
Recycled Water	0	0	0	0
Other	0	0	0	0
Total	1,437,360	1,453,047	1,408,109	1,209,300
mgd equivalent	2.95	2.98	2.89	2.48

Demand by Sector

Residential	1,016,212	1,004,087	993,343	834,024
Commercial/Industrial	182,696	259,889	258,172	234,417
Other	70,228	86,613	83,953	71,882
Unaccounted for	168,224	102,458	72,641	68,977
Total	1,437,360	1,453,047	1,408,109	1,209,300
mgd equivalent	2.95	2.98	2.89	2.48

Per Capita Use	Actual FY 11-12 (gpcpd)	Actual FY 12-13 (gpcpd)	Actual FY 13-14 (gpcpd)	Actual FY 14-15 (gpcpd)
Residential	79	78	77	64
Gross	112	113	110	93

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	21,532
Number of Accounts	6,555
Number of SF RWS Connections	5
Connections To SF RWS Mains	Murchison, Greenhills, Park, 195 ECR, Helen
Avg. Day Demand (mgd)	2.06
Avg. Day Purchases From SF RWS (mgd)	2.03
% Demand Met With SF RWS Supplies	98.8%
Maximum Local Water Production (mgd)	0
Alternative Supply Sources	None
Interties With Other Agencies	Burlingame
Local Storage (mg)	2.36
Days of Storage	0.8 – 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 11-12 (ccf)	Actual FY 12-13 (ccf)	Actual FY 13-14 (ccf)	Actual FY 14-15 (ccf)
San Francisco Water	1,034,254	1,113,147	1,134,741	991,049
Local Groundwater	0	0	0	0
Surface Water	0	0	0	0
Recycled Water	12,000	12,000	12,000	12,000
Other	0	0	0	0
Total	1,046,254	1,125,147	1,146,741	1,003,049
mgd equivalent	2.14	2.31	2.35	2.06

Demand by Sector

Residential	720,074	737,836	731,183	627,450
Commercial/Industrial	155,280	160,643	154,759	161,459
Other	50,359	54,788	65,130	71,796
Dedicated Irrigation	65,551	88,356	84,344	72,645
Unaccounted for	54,990	83,524	111,325	69,699
Total	1,046,254	1,125,147	1,146,741	1,003,049
mgd equivalent	2.14	2.31	2.35	2.06

Per Capita Use	Actual FY 11-12 (gpcpd)	Actual FY 12-13 (gpcpd)	Actual FY 13-14 (gpcpd)	Actual FY 14-15 (gpcpd)
Residential	69	70	70	60
Gross (less recycled water)	98	106	108	94

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, Engineering Division

455 East Calaveras Boulevard

Milpitas, California 95035-5411

Phone: (408) 586-3300 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	70,800
Number of Accounts	15,775
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)	9.14
Avg. Day Purchases From SF RWS (mgd)	5.13
% Demand Met With SF RWS Supplies	56.1%
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, 9 pressure regulator valves, 4 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. Another well is 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 11-12 (ccf)	Actual FY 12-13 (ccf)	Actual FY 13-14 (ccf)	Actual FY 14-15 (ccf)
San Francisco Water	3,060,055	3,115,000	3,194,000	2,503,640
Santa Clara Valley WD	1,496,482	1,443,000	1,335,500	1,548,876
Recycled Water	380,870	417,000	379,000	409,507
Other	0	0	0	0
Total	4,937,407	4,975,000	4,908,500	4,462,023
mgd equivalent	10.12	10.20	9.19	9.14

Demand by Sector

Residential	2,123,434	2,173,280	2,103,513	1,943,194
Commercial/Industrial	1,248,205	1,329,861	1,166,300	1,200,415
Other	139,195	150,055	131,419	538,925
Dedicated Irrigation	973,301	1,034,743	558,749	581,420
Unaccounted for	453,272	287,061	526,843	198,069
Total	4,937,407	4,975,000	4,908,028	4,462,023
mgd equivalent	10.12	10.20	9.19	9.14

Per Capita Use	Actual FY 11-12 (gpcpd)	Actual FY 12-13 (gpcpd)	Actual FY 13-14 (gpcpd)	Actual FY 14-15 (gpcpd)
Residential	61	66	62	56
Gross (Less Recycled Water)	132	138	133	117

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	76,413
Number of Accounts	17,857
Number of SF RWS Connections	2 turnouts/ 6 meters
Connections To SF RWS Mains	BDPL 3 and 4
Avg. Day Demand (mgd)	9.09
Avg. Day Purchases From SF RWS (mgd)	7.40
% Demand Met With SF RWS Supplies	81.4%
Maximum Local Water Production (mgd)	2.4
Alternative Supply Sources	Local Groundwater, SCVWD, Recycled
Interties With Other Agencies	Palo Alto, Sunnyvale, SCVWD, CWS
Local Storage (mg)	17.0
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 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 system distributes water to three pressure zones via 158 miles of main, with inter-zonal connections that allow water to flow from one adjacent zone to another. Mountain View has four water storage facilities.

Mountain View has 2 active wells (six currently out of service). The wells influence each other, resulting in varied maximum and simultaneous flows. They have not been operated at their maximum due to various maintenance and operational issues.

Water Supply and Demand

Supply by Source	Actual FY 11-12 (ccf)	Actual FY 12-13 (ccf)	Actual FY 13-14 (ccf)	Actual FY 14-15 (ccf)
San Francisco Water	4,346,523	4,389,474	4,373,263	3,611,194
Santa Clara Valley WD	490,793	546,917	529,137	400,146
Local Groundwater	158,302	134,195	209,370	245,464
Recycled Water	236,492	164,156	151,603	178,779
Total	5,232,110	5,234,742	5,263,373	4,435,583
mgd equivalent	10.72	10.73	10.79	9.09

Demand by Sector

Residential	2,683,868	2,715,045	2,752,779	2,331,572
Commercial/Industrial	959,579	948,869	901,854	836,989
Other	3,576	6,156	7,445	7,947
Dedicated Irrigation	1,158,060	1,295,694	1,256,417	1,030,128
Unaccounted for*	427,027	268,978	344,878	228,947
Total	5,232,110	5,234,742	5,263,373	4,435,583
mgd equivalent	10.72	10.73	10.79	9.09

Per Capita Use	Actual FY 11-12 (gpcpd)	Actual FY 12-13 (gpcpd)	Actual FY 13-14 (gpcpd)	Actual FY 14-15 (gpcpd)
Residential	75	74	75	63
Gross	139	140	139	114

Facilities and Distribution**Storage Reservoirs**

Designation	Type	Capacity (gallons)	Designation	Type	Capacity (gallons)
Miramonte	Concrete	700,000	Whisman	Concrete	6,000,000
Miramonte	Concrete	2,300,000	Graham	Concrete	8,000,000
Total			17,000,000		

Wells

Name	Capacity (mgd)	Status	Name	Capacity (mgd)	Status
Well 10	1.2	OOS	Well 21	1.1	Active
Well 17	0.2	OOS	Well 22	1.1	Active
Well 19	0.7	Active	Well 23*	1.3	Active
Well 20	1.5	Active	Total	7.1	

Interties

Name	No.	Diameter (in.)
Palo Alto	2	6
Sunnyvale	3	6, 8, 8
SCVWD	1	24

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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	40,000
Number of Accounts	12,361
Number of SF RWS Connections	1
Connections To SF RWS Mains	San Andreas 3
Avg. Day Demand (mgd)	2.80
Avg. Day Purchases From SF RWS (mgd)	2.79
% Demand Met With SF RWS Supplies	99.7%
Maximum Local Water Production (mgd)	0
Alternative Supply Sources	Local Surface Water
Interties With Other Agencies	San Bruno, Daly City, Westborough CWD
Local Storage (mg)	23.35
Days of Storage	7.12 – 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 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 Christian 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 34 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 7.2 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 11-12 (ccf)	Actual FY 12-13 (ccf)	Actual FY 13-14 (ccf)	Actual FY 14-15 (ccf)
San Francisco Water	1,380,360	1,192,485	1,387,578	1,360,780
Westborough CWD (SF RWS)	0	0	0	0
Recycled Water	0	0	5,294	4,120
Other	0	0	0	0
Total	1,380,360	1,192,485	1,392,872	1,364,900
mgd equivalent	2.83	2.44	2.85	2.80

Demand by Sector

Residential	1,027,665	1,226,220	1,031,692	911,508
Commercial/Industrial	94,585	113,605	96,158	99,795
Other	67,375	9,344	82,973	62,064
Dedicated Irrigation	26,807	45,037	35,833	24,484
Unaccounted for	163,928	-201,721	146,216	267,049
Total	1,380,360	1,192,485	1,380,360	1,364,900
mgd equivalent	2.83	2.44	2.85	2.80

Per Capita Use	Actual FY 11-12 (gpcpd)	Actual FY 12-13 (gpcpd)	Actual FY 13-14 (gpcpd)	Actual FY 14-15 (gpcpd)
Residential	53	64	54	47
Gross	71	63	73	70

Facilities and Distribution**Potable Storage Reservoirs**

Designation	Capacity (gallons)
13 Reservoirs	23,550,000
Total	23,550,000

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, waste water 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	66,152
Number of Accounts	19,863
Number of SF RWS Connections	5
Connections To SF RWS Mains	Palo Alto Pipeline, BDPL 3 and 4
Avg. Day Demand (mgd)	10.43
Avg. Day Purchases From SF RWS (mgd)	9.68
% Demand Met With SF RWS Supplies	92.8%
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 11-12 (ccf)	Actual FY 12-13 (ccf)	Actual FY 13-14 (ccf)	Actual FY 14-15 (ccf)
San Francisco Water	5,561,559	5,547,735	5,600,519	4,723,751
Local Groundwater	0	0	0	0
Recycled Water	386,902	203,026	381,066	367,831
Other	0	0	0	0
Total	5,948,461	5,750,761	5,981,585	5,091,582
mgd equivalent	12.19	11.79	12.26	10.43

Demand by Sector

Residential	3,202,280	3,183,737	3,146,731	2,649,876
Commercial/Industrial	1,108,469	1,077,104	1,023,362	998,760
Other	663,238	315,539	538,971	645,761
Dedicated Irrigation	475,788	540,230	718,281	506,450
Unaccounted for	498,686	634,151	554,240	290,735
Total	5,948,461	5,750,761	5,981,585	5,091,582
mgd equivalent	12.19	11.79	12.26	10.43

Per Capita Use	Actual FY 11-12 (gpcpd)	Actual FY 12-13 (gpcpd)	Actual FY 13-14 (gpcpd)	Actual FY 14-15 (gpcpd)
Residential	102	98	97	82
Gross (Less Recycled Water)	177	171	172	146

Facilities and Distribution

Storage Reservoirs

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

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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	6,140
Number of Accounts	2,184
Number of SF RWS Connections	2
Connections To SF RWS Mains	BDPL 3 and 4
Avg. Day Demand (mgd)	1.65
Avg. Day Purchases From SF RWS (mgd)	1.65
% Demand Met With SF RWS Supplies	100.0%
Maximum Local Water Production (mgd)	0
Alternative Supply Sources	None
Interties With Other Agencies	CWS - Los Altos, 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 11-12 (ccf)	Actual FY 12-13 (ccf)	Actual FY 13-14 (ccf)	Actual FY 14-15 (ccf)
San Francisco Water	899,221	972,733	982,100	803,313
Recycled Water	0	0	0	0
Other	0	0	0	0
Total	899,221	972,733	982,100	803,313
Mgd equivalent	1.84	1.84	2.01	1.65

Demand by Sector

Residential	800,026	868,180	885,184	732,811
Commercial/Industrial	0	0	0	0
Other	46,231	71,493	59,871	44,713
Dedicated Irrigation	6,375	4,629	5,339	4,305
Unaccounted for	46,589	28,431	31,706	21,484
Total	899,221	972,733	982,100	803,313
Mgd equivalent	1.84	1.84	2.01	1.65

Per Capita Use	Actual FY 11-12 (gpcpd)	Actual FY 12-13 (gpcpd)	Actual FY 13-14 (gpcpd)	Actual FY 14-15 (gpcpd)
Residential	268	290	295	245
Gross	301	325	328	268

Facilities and Distribution**Storage Reservoirs**

Designation	Type	Capacity (gallons)	Designation	Type	Capacity (gallons)
MC Tank 1	Steel	130,000	A Tank 1	Redwood	200,000
MC Tank 2	Steel	1,000,000	A Tank 2	Cor-ten Steel	250,000
LC Tank 1	Steel	100,000	N Tank 1	Cor-ten Steel	200,000
LC Tank 2	Cor-ten Steel	900,000	N Tank 2	Cor-ten Steel	3,000,000
HH Tank	Concrete	3,100,000	PM Tank	Cor-ten Steel	500,000
E Tank	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

Community Development Department

1400 Broadway

Redwood City, California 94063-2505

Phone: (650) 780-7464 Fax: (650) 780-7445

Web: <http://www.redwoodcity.org/departments/public-works/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	87,059
Number of Accounts	23,555
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)	8.40
Avg. Day Purchases From SF RWS (mgd)	7.77
% Demand Met With SF RWS Supplies	92.4%
Maximum Local Water Production (mgd)	0
Alternative Supply Sources	Recycled water for landscape irrigation, industrial, and dual pumped uses
Interties With Other Agencies	CWS -Bear Gulch, CWS - Mid- Peninsula, Mid-Peninsula WD, Menlo Park
Local Storage (mg)	21.24
Days of Storage	2.2 days storage. – 4 of 14 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. 7 of the turnouts are located off Bay Division Pipelines 1 and 2, 1 turnout is off BDPL 1, 2, and 3, and 5 turnouts are off BDPL 3 and 4.

The distribution system consists of 14 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 11 emergency interties with California Water Service of San Carlos, Mid-Peninsula Water District, and the City of Menlo Park.

Water Supply and Demand

Supply by Source	Actual FY 11-12 (ccf)	Actual FY 12-13 (ccf)	Actual FY 13-14 (ccf)	Actual FY 13-14 (ccf)
San Francisco Water	4,420,594	4,747,255	4,407,672	3,789,370
Recycled Water	298,491	310,053	323,213	310,329
Other	0	0	0	0
Total	4,719,085	5,057,308	4,730,885	4,099,699
mgd equivalent	9.67	10.36	9.70	

Demand by Sector

Residential	3,106,595	3,078,065	3,092,119	2,666,567
Commercial/Industrial	1,036,811	816,841	824,233	766,108
Other	87,977	82,373	86,470	82,618
Dedicated Irrigation	595,713	601,418	681,737	579,350
Unaccounted for	-108,011	478,611	46,326	5,056
Total	4,719,085	5,057,308	4,730,885	4,099,699
mgd equivalent	9.67	10.36	9.70	8.40

Per Capita Use	Actual FY 11-12 (gpcpd)	Actual FY 12-13 (gpcpd)	Actual FY 13-14 (gpcpd)	Actual FY 13-14 (gpcpd)
Residential	73	73	73	63
Gross (Less Recycled Water)	105	112	105	89

Facilities and Distribution**Storage Reservoirs**

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

Interties

Name	No.	Diameter (in.)	Name	No.	Diameter (in.)
BCWD	1	12	Douglas / Fair Oaks	1	6
BCWD and CWS	1	12	CWS – Bear Gulch	2	6
Oakwood / El Camino	1	6	Bransten / Industrial	1	8
MPW	1	6	San Carlos	2	6, Fire Hose
Alameda / Edgewood	1	Fire Hose	Eaton	1	Fire Hose

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: http://www.sanbruno.ca.gov/city_services/public_works/utilities/water.html

Service Area

The City of San Bruno is located in north San Mateo County. San Bruno is a residential community with regional commercial and light industrial development. The Public Works Water Division's service area includes the City of San Bruno and unincorporated areas of the County.

System

Profile

Area Size	6.1 square miles
Service Population	43,798
Number of Accounts	9,524
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)	3.14
Avg. Day Purchases From SF RWS (mgd)	1.20
% Demand Met With SF RWS Supplies	38.2%
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 receives its water through 5 San Francisco Public Utilities Commission turnouts and from 5 deep-water wells. The City also purchases water from the North Coast County Water District. The Public Works Water Division maintains a distribution system that includes 13 pressure zones, 21 pumps, 8 water tanks, 900 hydrants, and 100 miles of mains.

SF RWS water is filtered by the Harry Tracy plant (San Andreas Reservoir) and supplied to upper elevation areas of the community. Crystal Springs Supply Lines #2 or #3 deliver to the lower elevations. The groundwater is blended with water from SF RWS; the combined water supply meets all MCLs.

Water Supply and Demand

Supply by Source	Actual FY 11-12 (ccf)	Actual FY 12-13 (ccf)	Actual FY 13-14 (ccf)	Actual FY 14-15 (ccf)
San Francisco Water	1,017,925	946,503	779,582	584,392
Local Groundwater	730,179	782,464	948,253	922,147
Surface Water	0	0	0	0
Recycled Water	0	0	0	0
Other (North Coast CWD)	21,903	23,128	19,887	23,361
Total	1,770,007	1,752,095	1,747,722	1,529,900
mgd equivalent	3.63	3.59	3.58	3.14

Demand by Sector

Residential	1,200,059	1,220,423	1,169,527	1,041,912
Commercial/Industrial	331,601	359,328	325,988	304,363
Other	73,321	81,418	98,441	61,674
Unaccounted for	165,026	90,926	153,766	121,951
Total	1,770,007	1,752,095	1,747,722	1,529,900
mgd equivalent	3.63	3.59	3.58	3.14

Per Capita Use	Actual FY 11-12 (gpcpd)	Actual FY 12-13 (gpcpd)	Actual FY 13-14 (gpcpd)	Actual FY 14-15 (gpcpd)
Residential	59	61	55	49
Gross	88	87	82	72

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

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City of San Jose

San Jose Municipal Water System - North

3025 Tuers Road

San Jose, California 95121

Phone: (408) 277-4218 Fax: (408) 277-4954

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	15,948
Number of Accounts	2,127
Number of SF RWS Connections	2
Connections To SF RWS Mains	BDPL 3 and 4
Avg. Day Demand (mgd)	5.17 Potable and Recycled
Avg. Day Purchases From SF RWS (mgd)	4.41
% Demand Met With SF RWS Supplies	85.3%
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 11-12 (ccf)	Actual FY 12-13 (ccf)	Actual FY 13-14 (ccf)	Actual FY 14-15 (ccf)
San Francisco Water	2,172,405	2,173,663	2,272,262	2,151,905
Local Groundwater	0	0	0	16,913
Recycled Water	184,243	180,548	404,401	352,857
Other	0	0	0	0
Total	2,356,648	2,354,211	2,676,663	2,521,675
mgd equivalent	4.83	4.82	5.49	5.17

Demand by Sector

Residential	518,433	537,869	686,611	1,018,955
Commercial/Industrial	1,024,970	976,696	1,168,458	923,177
Other	57,770	68,588	56,133	40,372
Dedicated Irrigation	708,909	738,567	777,405	476,737
Unaccounted for	46,566	32,491	-11,944	62,434
Total	2,356,648	2,354,211	2,676,663	2,521,675
mgd equivalent	4.83	4.82	5.49	5.17

Per Capita Use	Actual FY 11-12 (gpcpd)	Actual FY 12-13 (gpcpd)	Actual FY 13-14 (gpcpd)	Actual FY 14-15 (gpcpd)
Residential	72	73	92	131
Gross (Less Recycled Water)	304	293	305	279

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	120,973
Number of Accounts	25,474
Number of SF RWS Connections	2
Connections To SF RWS Mains	BDPL 3 and 4
Avg. Day Demand (mgd)	20.02
Avg. Day Purchases From SF RWS (mgd)	1.87
% Demand Met With SF RWS Supplies	9.4%
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
Interties With Other Agencies	Santa Clara Valley WD
Local Storage (mg)	26.8
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 27 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 Water Pollution Control Plan is available for landscape irrigation and certain industrial uses, distributed within Santa Clara by about 20 miles of pipeline.

Water Supply and Demand

Supply by Source	Actual FY 11-12 (ccf)	Actual FY 12-13 (ccf)	Actual FY 13-14 (ccf)	Actual FY 14-15 (ccf)
San Francisco Water	910,029	1,085,829	1,012,567	914,572
Santa Clara Valley WD	1,974,197	1,864,441	1,870,035	1,470,999
Local Groundwater	6,343,450	6,340,376	6,287,164	5,816,028
Recycled Water	1,347,819	1,404,586	1,587,740	1,567,103
Other	0	0	0	0
Total	10,575,495	10,695,232	10,757,506	9,768,702
mgd equivalent	21.67	21.92	22.05	20.02

Demand by Sector

Residential	4,729,713	4,782,059	4,730,865	4,076,317
Commercial/Industrial	4,336,681	4,272,833	4,377,915	4,151,499
Other	1,001,974	1,065,318	1,156,381	1,043,433
Dedicated Irrigation	0	0	0	0
Unaccounted for	507,127	575,022	492,344	497,453
Total	10,575,495	10,695,232	10,757,943	9,768,702
mgd equivalent	21.67	21.92	22.05	20.02

Per Capita Use	Actual FY 11-12 (ccf)	Actual FY 12-13 (ccf)	Actual FY 13-14 (ccf)	Actual FY 14-15 (ccf)
Residential	82	82	82	67
Gross (Less Recycled Water)	160	160	159	139

Facilities and Distribution**Storage Reservoirs**

Designation	Type	Capacity (mg)
Northside Tank 1	Steel	4.7
Northside Tank 2	Steel	4.7
Serra	Steel	13.2
Downtown	Steel	4.2
Total		26.8

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	Active
Well 6.	2.4	Active
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	Active
Well 12	2.1	Active
Well 13-02	2.4	Active
Well 14	1.6	Active
Well 15	1.2	Active

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

Interties

Name	No.	Diameter (in.)
SCVWD	1	10

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Stanford University

327 Bonair Siding

Stanford, California 94305-7272

Phone: (650) 723-9747 Fax: (650) 723-3191

Web: http://lbre.stanford.edu/sem/Environmental_WaterEfficiency

Service Area

The Stanford Utilities Division supplies water to the campus area and nearby Stanford unincorporated lands.

System Profile

Area Size	3.1 square miles
Service Population	30,486*
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)	2.86
Avg. Day Purchases From SF RWS (mgd)	1.89 **
% Demand Met With SF RWS Supplies	66.2% (100% of drinking water)
Average Day Local Water Production (mgd)	1.08
Alternative Supply Sources	Local groundwater, surface water, 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.

**The 1.89 mgd reported is Stanford's FY 2014-15 consumption for the campus, Stanford's service area, in unincorporated Santa Clara Co. In 2013, Stanford University was requested to supply domestic water through the emergency intertie at Roth Way to the Stanford Hospital, located in the Palo Alto service area. The request was to assist Palo Alto and the Hospital due to insufficient water pressure in that location of Palo Alto's water system. During the FY14-15 reporting period water served through the emergency intertie was a total of 52,318 ccf (July 2014 through April 2015) will be included in Palo Alto's Average Day Purchases from SF RWS.

*** In FY-08-09, Stanford completed a recycled water plant that treats wastewater from the Central Energy Facility cooling tower blow-down for reuse for toilet and urinal flushing in new buildings.

Summary

Stanford has four sources of water supply: purchased potable water from the SF RWS, groundwater, non-potable surface water from the local watershed, 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 (lake) water system that supplies more than 80% of its irrigation

needs, significantly reducing Stanford's use of potable water for irrigation. This system is typically 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. The lake water system can also be supplied as needed by SF RWS water.

Water Supply and Demand

Supply by Source	Actual FY 11-12 (ccf)	Actual FY 12-13 (ccf)	Actual FY 13-14 (ccf)	Actual FY 14-15 (ccf)
San Francisco Water	1,051,794	1,029,129	1,024,277	923,813
Local Groundwater	103,484	135,286	497,660	313,982
Surface Water	449,424	460,140	31,335	158,579
Other	0	0	0	0
Total	1,604,702	1,624,555	1,553,272	1,396,374
mgd equivalent	3.29	3.33	3.18	2.86

Note: Water added to storage within the non-potable irrigation system during 2014-2015 was subtracted from either pumped groundwater or surface water production depending on the monthly source. In non-drought years, the majority of demand is met by surface water and previous calculations included a subtraction of water added to storage from surface water diversions only. When water currently in storage is used on campus it will be accounted for as surface water.

Demand by Sector

Residential	418,791	417,190	421,060	360,634
Commercial/Industrial	260,661	223,325	259,044	239,727
Other	272,539	281,363	276,377	263,966
Dedicated Irrigation	640,643	683,873	596,791	532,045
Unaccounted for	12,068	18,804	0	2
Total	1,604,702	1,624,555	1,553,272	1,396,374
mgd equivalent	3.29	3.33	3.18	2.86

Per Capita Use	Actual FY 11-12 (gpcpd)	Actual FY 12-13 (gpcpd)	Actual FY 13-14 (gpcpd)	Actual FY 14-15 (gpcpd)
Residential	n/a	n/a	n/a	n/a
Gross	114	113	107	94

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
San Juan*		0
Total		8,000,000

*Currently out of service

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

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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	148,028
Number of Accounts	31,051
Number of SF RWS Connections	6
Connections To SF RWS Mains	BDPL 3 and 4
Avg. Day Demand (mgd)	15.97
Avg. Day Purchases From SF RWS (mgd)	7.94
% Demand Met With SF RWS Supplies	49.7%
Maximum Local Water Production (mgd)	1.13
Alternative Supply Sources	Local Groundwater
Interties With Other Agencies	CWS, 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 7 active wells, with 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 10 ground storage tanks, with a minimum of 1 storage tank in every zone, and additional tanks located at water plants in the City.

The potable distribution system is completely interconnected and includes 3 pressure zones, 21 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 11-12 (ccf)	Actual FY 12-13 (ccf)	Actual FY 13-14 (ccf)	Actual FY 14-15 (ccf)
San Francisco Water	4,436,721	4,526,510	4,046,527	3,874,640
Santa Clara Valley WD	3,794,468	4,879,185	4,495,704	3,276,953
Local Groundwater	102,614	47,631	452,589	506,472
Surface Water	0	0	0	0
Recycled Water	131,921	0	0	137,016
Other	0	0	0	0
Total	8,465,724	9,453,326	8,994,820	7,795,081
mgd equivalent	17.35	19.37	18.43	15.97

Demand by Sector

Residential	5,563,923	5,924,513	5,729,468	4,885,613
Commercial/Industrial	1,774,634	1,771,618	1,859,237	1,710,519
Other	116,875	159,311	132,172	1,821,591
Dedicated Irrigation	1,395,086	1,514,208	1,705,099	857,993
Unaccounted for	-384,794	83,676	-431,156	229,884
Total	8,465,724	9,453,326	8,994,820	7,795,081
mgd equivalent	17.35	19.37	18.43	15.97

Per Capita Use	Actual FY 11-12 (gpcpd)	Actual FY 12-13 (gpcpd)	Actual FY 13-14 (gpcpd)	Actual FY 14-15 (gpcpd)
Residential	80	83	80	68
Gross (Less Recycled Water)	120	133	125	106

Facilities and Distribution

Storage Reservoirs

Designation	Type	Capacity (gallons)	Designation	Type	Capacity (gallons)
Wolfe-Evelyn	Steel	5,000,000	Central 1	Steel	500,000
Mary-Carson 1	Steel	5,000,000	Central 2	Steel	500,000
Mary-Carson 2	Steel	5,000,000	Hamilton 1	Steel	500,000
Wright Avenue 1	Steel	5,000,000	Hamilton 2	Steel	500,000
Wright Avenue 2	Steel	5,000,000	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	Inactive
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

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Westborough County Water District

2263 Westborough Boulevard

South San Francisco, California 94080-5406

Phone: (650) 589-1435 Fax: (650) 589-5167

Web: <http://www.westboroughwater.com>

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	13,260
Number of Accounts	3,880
Number of SF RWS Connections	1
Connections To SF RWS Mains	San Andreas 1, 2, and 3
Avg. Day Demand (mgd)	0.77
Avg. Day Purchases From SF RWS (mgd)	0.77
% Demand Met With SF RWS Supplies	100.0%
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 WCWD 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 11-12 (ccf)	Actual FY 12-13 (ccf)	Actual FY 13-14 (ccf)	Actual FY 14-15 (ccf)
San Francisco Water	440,796	441,233	433,980	377,034
Local Groundwater	0	0	0	0
Surface Water	0	0	0	0
Recycled Water	0	0	0	0
Other	0	0	0	0
Total	440,796	441,233	433,980	377,034
mgd equivalent	0.90	0.90	0.89	0.77

Demand by Sector

Residential	306,708	320,606	313,148	302,544
Commercial/Industrial	52,482	28,504	26,092	21,572
Other	0	0	0	0
Dedicated Irrigation	45,387	53,498	54,316	35,974
Unaccounted for	36,219	38,625	40,424	16,944
Total	440,796	441,233	433,980	377,034
mgd equivalent	0.90	0.90	0.89	0.77

Per Capita Use	Actual FY 11-12 (gpcpd)	Actual FY 12-13 (gpcpd)	Actual FY 13-14 (gpcpd)	Actual FY 14-15 (gpcpd)
Residential	47	50	48	47
Gross	68	68	67	58

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