

Annual Survey  
FY 2009-10

**BAWSCA**  
Bay Area Water Supply & Conservation Agency

**May 2011**

# Bay Area Water Supply and Conservation Agency Annual Survey and Water Conservation Report FY 2009-10

**BAWSCA Overview**  
**Past and Current Purchases from SFPUC**  
**Total Water Supply and Demand**  
**Current Water Use by Class of Customer**  
**Climatological Data**  
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**Current Water Use Per Capita**  
**Current Residential Water Bills**  
**Agency Profiles**

May 2011

# BAWSCA Water Facts at-a-Glance – FY 2009-10

## Service Areas

|                    | Size (sq. mi.) | Population       |
|--------------------|----------------|------------------|
| San Mateo County   | 185            | 716,060          |
| Santa Clara County | 117            | 517,864          |
| Alameda County     | 166            | 485,104          |
| <b>Total</b>       | <b>468</b>     | <b>1,719,028</b> |

## Supply by Source

|                                | ccf                | mgd           | af             | %           |
|--------------------------------|--------------------|---------------|----------------|-------------|
| San Francisco PUC <sup>1</sup> | 73,516,226         | 150.66        | 168,770        | 67.3%       |
| Groundwater <sup>2</sup>       | 15,959,858         | 32.71         | 36,639         | 14.6%       |
| Surface Water <sup>3</sup>     | 2,034,802          | 4.17          | 4,671          | 1.9%        |
| Recycled Water <sup>4</sup>    | 2,867,149          | 5.88          | 6,582          | 2.6%        |
| Other Sources <sup>5</sup>     | 14,818,403         | 30.37         | 34,018         | 13.6%       |
| <b>Total</b>                   | <b>109,196,437</b> | <b>223.78</b> | <b>250,681</b> | <b>100%</b> |

1 Inclusive of supplemental purchases of 165,770 ccf.

2 Agencies using groundwater include Alameda County Water District, Coastside County Water District, Daly City, California Water Service - South San Francisco, Mountain View, San Bruno, Santa Clara, Stanford University, and Sunnyvale.

3 Agencies using surface water include Coastside County Water District (Pilarcitos Reservoir), California Water Service (Bear Gulch Reservoir), and Stanford University (Searsville and Felt Lakes).

4 Agencies using recycled water include Daly City, Millbrae, Milpitas, Palo Alto, Redwood City, San Jose, Santa Clara, Stanford University, and Sunnyvale.

5 Agencies using other non-SFPUC sources include Alameda County Water District (State Water Project); Milpitas, Mountain View, Santa Clara, and Sunnyvale (Santa Clara Valley Water District).

## Demand by Sector

|                       | ccf                | mgd           | af             | %           |
|-----------------------|--------------------|---------------|----------------|-------------|
| Residential           | 64,749,000         | 132.69        | 148,643        | 59.2%       |
| Commercial/Industrial | 21,268,973         | 43.59         | 48,827         | 19.4%       |
| Government/Other      | 6,997,679          | 14.34         | 16,064         | 6.4%        |
| Dedicated Irrigation  | 9,576,209          | 19.62         | 21,984         | 8.8%        |
| Unaccounted for       | 6,604,577          | 13.53         | 15,162         | 6.2%        |
| <b>Total</b>          | <b>109,196,437</b> | <b>223.78</b> | <b>250,681</b> | <b>100%</b> |

## Water Measurements

af = acre foot; 1 af = 435.6 ccf or 325,851 gallons

ccf = 100 cubic feet; approximately 748 gallons

gpcpd = gallons per capita per day

mgd = million gallons per day

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# 1. BAWSCA Overview



## Bay Area Water Supply and Conservation Agency

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### Goals

BAWSCA's goals are to ensure

- a reliable water supply
- higher quality water
- a fair price

### Composition

The Bay Area Water Supply and Conservation Agency (BAWSCA) represents the interests of 26 private and public entities that purchase water on a wholesale basis from the San Francisco Public Utilities Commission (SFPUC) for resale through their local water systems to 1.7 million residents, businesses and community organizations in Alameda, Santa Clara and San Mateo Counties. Of these wholesale customers, 15 are cities, nine are special water districts, one is an investor-owned utility regulated by the California Public Utilities Commission, and one (Stanford) is a university with an affiliated hospital/medical and research facilities.

There is considerable variety among the wholesale customers. Beyond having different institutional charters (e.g., cities, districts, private company, etc.), they vary on at least the following measures:

- **Size**

The wholesale agencies range from very small (e.g., Guadalupe Valley Municipal Improvement District with a service area population of less than 500 and 0.5 sq. miles) to quite large (e.g., Alameda County Water District, serving a population over 300,000 and 105 sq. miles). See Table 1.

- **Reliance on San Francisco**

Several agencies have no other source of water and, like San Francisco, are entirely dependent on the SFPUC's regional system. This is particularly the case in San Mateo County, which has limited groundwater resources. Several agencies have developed, or are developing their own local sources, or have access to water from the Santa Clara Valley Water District. Coastside County Water District is the only BAWSCA entity receiving untreated SFPUC-supplied water. All other BAWSCA agencies receive treated water from the SFPUC.

- **Customer Mix**

Several agencies serve largely or entirely residential communities (e.g., Hillsborough, Purissima Hills, and North Coast). One, Guadalupe Valley Municipal Improvement District, serves primarily an industrial area. Except for Stanford University, most have a mix of single family residential, multi-family residential, commercial, and industrial

customers, in varying proportions. Nearly 90% of all service connections in the BAWSCA service, however, are residential, with residential use comprising nearly 60% of total demand.

- **Climate**

The wholesale customers 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 wholesale 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 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, climate, conservation, and income. Per capita use in the wholesale service area ranges from below that in San Francisco (e.g., Westborough and East Palo Alto) or close to San Francisco's (e.g., Daly City, North Coast, Brisbane and South San Francisco) to much higher (e.g., Purissima Hills and Hillsborough). See Table 7A.

## **Authorities**

BAWSCA is the only entity having authority under state law to directly represent the needs of the cities, water districts and private utilities (wholesale customers) that depend on the regional water system. BAWSCA provides the ability for the customers of the regional system to work with San Francisco on an equal basis to ensure the water system gets fixed, and to collectively and efficiently meet local responsibilities.

BAWSCA has the authority to coordinate water conservation, supply and recycling activities for its agencies; acquire water and make it available to other agencies on a wholesale basis; finance projects, including improvements to the regional water system; and build facilities jointly with other local public agencies or on its own to carry out the agency's purposes.

## **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 member to the board. In addition, the Santa Clara County Board of Supervisors appoints a director from Stanford University and the San Mateo County Board of Supervisors appoints a director from the California Water Service Company.

## **Organization and Budget**

Day-to-day leadership is provided by the chief executive officer/general manager who is supported by a staff of six persons. A standing committee, comprised of board members, advises the general manager and the full board on policy matters. The agency's FY 2009-10 budget was \$2.7M, funded through individual agency assessments. In addition, BAWSCA plans and administers water conservation programs paid for by the agencies that choose to participate.

## **Organizational Challenges**

The overarching service goal is to protect the health, safety and economic well being of 1.7 million people, businesses, and community organizations in Alameda, San Mateo, and Santa Clara counties that depend on the regional water system.

Broad strategic challenges include:

- 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 wholesale customers.
- Developing and implementing a strategy to ensure that water supply needs for its members in Alameda, San Mateo, and Santa Clara Counties will be adequately met in times of drought and in the future.
- Encouraging and assisting implementation of cost-effective water conservation and wastewater recycling programs.
- Administering the new water supply agreement with San Francisco.
- Maintaining support by BAWSCA's political, community, and private allies.
- Encouraging communities to prepare for long-term water outages.



# BAWSCA Members Map



**Legend**

- |  |                                      |
|--|--------------------------------------|
| 1 Alameda County Water District          | 15 Mid-Peninsula Water District      |
| 2 City of Brisbane                       | 16 City of Millbrae                  |
| 3 City of Burlingame                     | 17 City of Milpitas                  |
| 4 CWS – Bear Gulch                       | 18 City of Mountain View             |
| 5 CWS – Mid-Peninsula                    | 19 North Coast County Water District |
| 6 CWS – South San Francisco              | 20 City of Palo Alto                 |
| 7 Coastside County Water District        | 21 Purissima Hills Water District    |
| 8 City of Daly City                      | 22 City of Redwood City              |
| 9 City of East Palo Alto                 | 23 City of San Bruno                 |
| 10 Estero Municipal Improvement District | 24 San Jose Municipal Water System   |
| 11 Guadalupe Valley MID                  | 25 City of Santa Clara               |
| 12 City of Hayward                       | 26 Stanford University               |
| 13 Town of Hillsborough                  | 27 City of Sunnyvale                 |
| 14 City of Menlo Park                    | 28 Westborough Water District        |

**Sources:** BAWSCA, San Mateo County General Plan



## Bay Area Water Supply and Conservation Agency Members Summary - FY 2009-10

|  | Service<br>Population | Water Purchased/<br>Produced (mgd) |               | Communities Served (all or portions of)   |
|--|-----------------------|------------------------------------|---------------|---|
|  |                       | SFPUC                              | Total         |   |
| <b>San Mateo County</b>  |                       |                                    |               |   |
| Brisbane Water District*   | 3,993                 | 0.25                               | 0.25          | Brisbane and nearby unincorporated areas  |
| City of Burlingame   | 30,493                | 3.94                               | 3.94          | City of Burlingame, and nearby unincorporated areas   |
| California Water Service Company<br>Bear Gulch District, Mid-Peninsula District,<br>South San Francisco District | 232,170               | 32.41                              | 33.84         | Atherton, Colma, Daly City, Los Altos, Menlo Park, Portola Valley, San Carlos,<br>San Mateo, South San Francisco, Woodside, and nearby unincorporated areas |
| Coastside County Water District  | 20,216                | 1.82                               | 2.02          | Half Moon Bay, Princeton by the Sea, Miramar, and El Granada  |
| City of Daly City**  | 107,773               | 3.16                               | 6.70          | Daly City and nearby unincorporated areas   |
| East Palo Alto Water District  | 29,690                | 1.73                               | 1.73          | City of East Palo Alto, Menlo Park, and nearby unincorporated areas   |
| Estero Municipal Improvement District  | 36,100                | 4.90                               | 4.90          | Foster City and parts of San Mateo  |
| Guadalupe Valley Municipal Improvement District**  | –                     | 0.31                               | 0.31          | Industrial park within the City of Brisbane   |
| Town of Hillsborough   | 11,982                | 3.01                               | 3.01          | Hillsborough and nearby unincorporated areas  |
| City of Menlo Park   | 14,139                | 3.19                               | 3.19          | Menlo Park west of Altschul and east of El Camino Real  |
| Mid-Peninsula Water District   | 26,130                | 2.85                               | 2.85          | Belmont, San Carlos, and nearby unincorporated areas  |
| City of Millbrae   | 21,387                | 2.24                               | 2.26          | Millbrae and nearby unincorporated areas  |
| North Coast County Water District  | 40,401                | 3.02                               | 3.02          | Pacifica and nearby unincorporated areas  |
| City of Redwood City   | 85,098                | 9.61                               | 10.02         | Redwood City, parts of San Carlos and Woodside, and nearby unincorporated areas   |
| City of San Bruno  | 43,798                | 1.51                               | 3.65          | San Bruno and nearby unincorporated areas   |
| Westborough County Water District  | 12,690                | 0.81                               | 0.81          | Parts of South San Francisco, Daly City, and nearby unincorporated areas  |
| <b>Subtotal</b>  | <b>716,060</b>        | <b>74.77</b>                       | <b>82.51</b>  |   |
| <b>Santa Clara County</b>  |                       |                                    |               |   |
| City of Milpitas   | 70,817                | 6.24                               | 10.00         | Milpitas and portions of San Jose   |
| City of Mountain View  | 75,787                | 8.88                               | 10.41         | Mountain View and nearby unincorporated areas   |
| City of Palo Alto  | 65,408                | 10.99                              | 11.71         | Palo Alto and nearby unincorporated areas   |
| Purissima Hills Water District   | 6,060                 | 1.75                               | 1.75          | Los Altos Hills, parts of Los Altos, and nearby unincorporated areas  |
| San Jose Municipal Water System - North  | 14,645                | 4.10                               | 4.48          | North San Jose/Alviso and nearby unincorporated areas   |
| City of Santa Clara  | 118,830               | 2.27                               | 20.78         | Santa Clara and nearby unincorporated areas   |
| Stanford University  | 27,491                | 2.14                               | 3.17          | Stanford University   |
| City of Sunnyvale  | 138,826               | 9.78                               | 19.17         | Sunnyvale and nearby unincorporated areas   |
| <b>Subtotal</b>  | <b>517,864</b>        | <b>46.14</b>                       | <b>81.48</b>  |   |
| <b>Alameda County</b>  |                       |                                    |               |   |
| Alameda County Water District  | 332,000               | 10.46                              | 42.35         | Union City, Newark, Fremont and nearby unincorporated areas   |
| City of Hayward  | 153,104               | 17.44                              | 17.44         | Hayward and nearby unincorporated areas   |
| <b>Subtotal</b>  | <b>485,104</b>        | <b>27.90</b>                       | <b>59.79</b>  |   |
| <b>Total All Agencies</b>  | <b>1,719,028</b>      | <b>148.80</b>                      | <b>223.78</b> |   |

\*GVMID service population included with Brisbane. \*\*Daly City's SFPUC purchase total excludes supplemental purchases (1.85).

Source: BAWSCA FY 2009-10 Annual Survey

Table 1



## Survey Overview

The Bay Area Water Supply and Conservation Agency typically conducts an annual survey of its members in order to update key agency-wide information and assist in projecting suburban demand and population. Summarized below and included in the following pages in written, tabular, and/or graphic form are the most pertinent and interesting highlights of the FY 2009-10 survey.

### **Past, Current, and Projected Purchases from SFPUC**

#### **Current Water Purchases from SFPUC**

BAWSCA agencies reported SFPUC purchases of 150.7 mgd in FY 2009-10, including supplemental water purchases of 1.85 mgd, down from the total 163.7 mgd purchased in FY 2008-09. Compared with the 10 year average, purchase levels in FY 2009-10 were below average by 18.6 mgd. Since FY 2006-07, purchases have fallen 25 mgd. The highest single year occurred in 1986-87 when 184.8 mgd was purchased from the SFPUC.

#### **Projected Water Purchases from SFPUC**

As part of its action on the Program Environmental Impact Report (PEIR) for its Water System Improvement Program (WSIP), the San Francisco Public Utilities Commission made the decision to limit wholesale customer purchases from the regional water system to 184 mgd and retail customer purchases from the regional water system to 81 mgd through 2018.

### **Total Water Supply and Demand**

#### **Current BAWSCA-Wide Total Water Demand Compared to Pre-Drought Conditions**

In FY 1996-97, BAWSCA-wide demand, including demand for sources in addition to the regional water system, equaled the pre-drought demand of FY 1986-87 at 260 mgd. For 2009-10, total demand was 224 mgd. In response to drought conditions, voluntary water conservation targets of 10% were initiated during Summer 2007, and continued in 2010.

#### **Meeting Projected BAWSCA-Wide Total Water Demand**

In FY 2008-09, BAWSCA and its member agencies initiated the development of a long-Term Reliable Water Supply Strategy (Strategy) to meet the projected water needs of its member agencies and their customers through 2035 and to increase their water supply reliability under normal and drought conditions. The Strategy is proceeding in three phases. Phase I was completed in 2010 and defined the magnitude of the water supply issue and the scope of work for the Strategy. Phase II of the Strategy is currently under development and will result in a refined estimate of when, where, and how much additional supply reliability and new water supplies are needed throughout the BAWSCA service area through 2035, as well as a detailed analysis of the water supply management projects, and the development of the Strategy implementation plan. Phase II will be complete in December 2013. Phase III will include the implementation of specific water supply management projects. Depending on cost-effectiveness, as well as other considerations, the projects may be implemented by a single member agency, by a collection of the member agencies, or by BAWSCA in an appropriate timeframe to meet the identified needs. Project implementation may begin as early as 2013 and will

continue throughout the Strategy planning horizon, in coordination with the timing and magnitude of the supply need..

### **Current Water Supply by Source**

BAWSCA's historical sources of supply vary little from one year to the next. Of the total amount of water used by BAWSCA agencies in FY 2009-10, 67% came from the SFPUC, 15% from groundwater, 14% from other sources (Santa Clara Valley Water District and the State Water Project), 2% from local surface water (primarily ACWD's take from Lake Del Valle), and 3% from recycled water.

### **Current Water Use by Class of Customer**

As with the source of supply, BAWSCA's demand by customer class varies little over time. Among BAWSCA agencies in FY 2009-10, the residential sector accounted for 59% (133 mgd) of the 224 mgd consumed; commercial and industrial customers, 20% (44 mgd); other, 6% (14 mgd); dedicated irrigation, 9% (20 mgd), and unaccounted-for water, 6% (14 mgd). In FY 2009-10, there were 420,363 accounts (service connections) in the entire BAWSCA service area, 89% or 372,111 of which were residential (see Notes next page).

### **Climatological Data**

In the three years leading up to FY 2009-10, rainfall totals were significantly lower than the historical average. Rainfall recorded at 4 locations in the BAWSCA service area for FY 2009-10, however, recorded levels approximately 1.6 inches over the historical average.

### **Current and Projected Population**

The population of the BAWSCA service area increased from 1,705,837 to 1,719,028 between FY 2008-09 and FY 2009-10.

### **Current Water Use Per Capita**

Average residential per capita consumption (excluding Stanford) in the BAWSCA service area was 78 gpcpd in FY 2009-10, down 8% from the year before. This is 25% less than the estimated 104 gpcpd that was experienced during pre-drought FY 1986-87 and 32% less than the 115 gpcpd in pre-drought FY 1975-76. In FY 2009-10, among BAWSCA agencies, East Palo Alto had the lowest residential per capita consumption at 45.6 gpcpd while Purissima Hills had the highest at 256.3 gpcpd. In FY 2009-10, the 130 gpcpd gross per capita consumption of the BAWSCA service area was lower than FY 2008-09 by 9%. FY 1985-86 (pre-drought) gross per capita was 182 gpcpd.

### **Single Family Water Bills (as of July 2010) / Water Rate Structure**

Water bill data has been calculated using each agency's single family average monthly use. This information is summarized in Section 8. Among BAWSCA agencies, the average monthly bill ranged from a low of \$25.17 in Westborough for 6.4 units to \$134.60 for 27.6 units in Hillsborough. The average single family water bill among all BAWSCA agencies inclusive of the service charge was \$48.16. Average monthly residential use varied from 5.1 (Brisbane/GVMID) to 30.7 (Purissima Hills) units.

Average monthly service charge was \$10.32, ranging from a low of \$4.50 (Hayward) to a high of \$28.98 (Burlingame).

Of 24 wholesale customers surveyed regarding water bills, 8 (ACWD, Burlingame, California Water Service, East Palo Alto, Estero, Millbrae, Santa Clara, and Westborough) have a uniform rate structure (same rate per unit of water for all volumes used). The remaining 16 agencies have inclined block rate structures (rate per unit increases as use increases). The number of rate blocks among these 17 agencies ranges from 2 (Milpitas) to 11 (Daly City).

### **Agency Profiles**

Agency profiles were updated based on revisions supplied by agency representatives.

#### **Notes:**

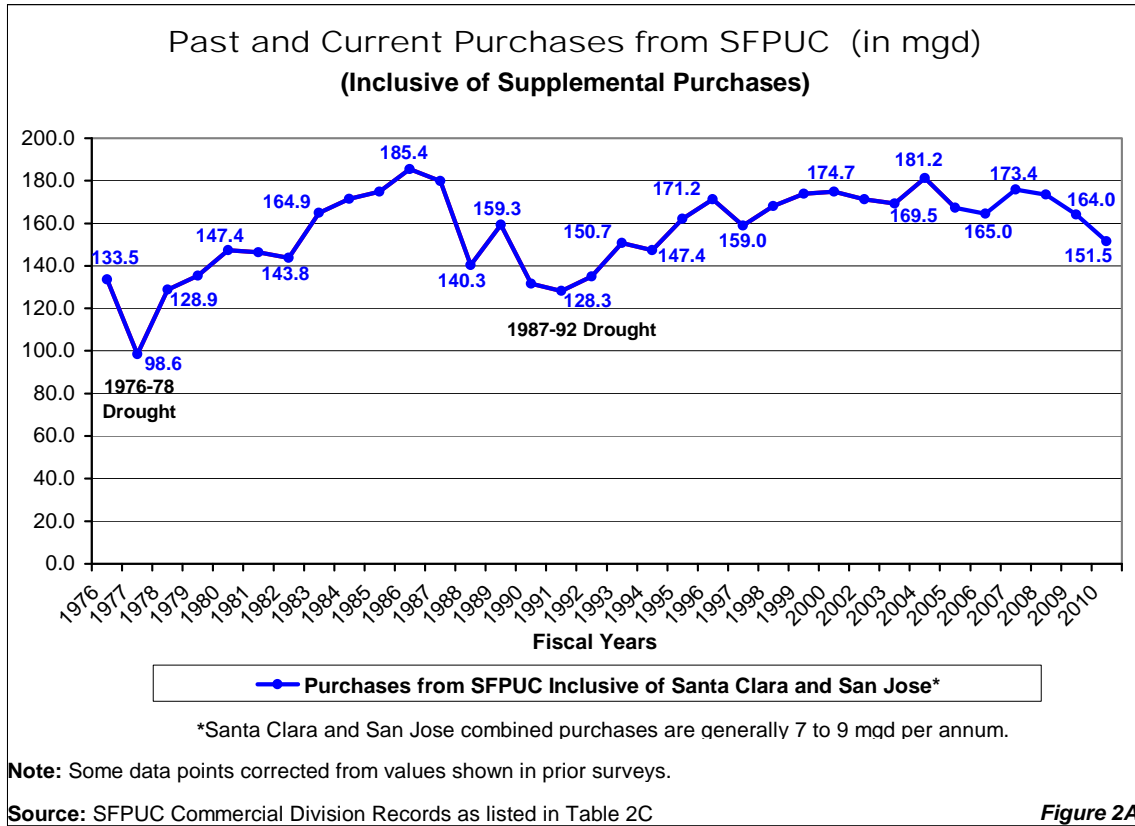
In the course of preparing the most current annual survey, occasionally BAWSCA comes across incorrect data from prior years. When discovered, the historical record is corrected unless the adjustment is inconsequential.

Beginning with this survey, data for Brisbane and Guadalupe Valley MID are combined. Also new for this survey, dedicated irrigation accounts and usage are now being separately accounted for, resulting in lower comparative usage totals in other categories, e.g., commercial/industrial.



## 2. Past and Current Purchases from SFPUC







Past and Current Purchases from SFPUC and Relationship to the Supply Guarantee (in ccf)  
 (Excluding Supplemental Purchases)

| Member                      | Supply Guarantee  | mgd Equiv     | Predrought FY 1986-87 | mgd Equiv     | Actual FY 2001-02 | Actual FY 2002-03 | Actual FY 2003-04 | Actual FY 2004-05 | Actual FY 2005-06 | Actual FY 2006-07 | Actual FY 2007-08 | Actual FY 2008-09 | Actual FY 2009-10 | mgd Equiv     | 2009-10/2008-09 % Change | 2009-10 Purchases as % Supply Assurance |
|-----------------------------|-------------------|---------------|-----------------------|---------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------|--------------------------|---|
| <b>San Mateo County</b>     |                   |               |                       |               |                   |                   |                   |                   |                   |                   |                   |                   |                   |               |                          |   |
| * Brisbane                  | 224,435           | 0.46          | 171,507               | 0.35          | 188,658           | 192,066           | 192,518           | 175,335           | 191,963           | 148,937           | 182,661           | 179,743           | 123,803           | 0.25          | -31.1                    | 55.2                                    |
| * Burlingame                | 2,553,753         | 5.23          | 2,531,707             | 5.19          | 2,264,761         | 2,315,100         | 2,335,235         | 2,205,818         | 2,121,360         | 2,209,757         | 2,195,474         | 2,086,616         | 1,920,815         | 3.94          | -7.9                     | 75.2                                    |
| California Water Service ** | 17,320,807        | 35.50         | 17,393,987            | 35.65         | 17,284,913        | 16,978,345        | 18,815,046        | 17,024,290        | 17,030,914        | 18,279,882        | 18,414,636        | 17,561,079        | 15,815,998        | 32.41         | -9.9                     | 91.3                                    |
| Coastside                   | 1,061,453         | 2.18          | 600,257               | 1.23          | 880,401           | 844,363           | 922,578           | 862,286           | 899,064           | 1,006,844         | 1,014,105         | 977,849           | 887,675           | 1.82          | -9.2                     | 83.6                                    |
| Daly City                   | 2,094,386         | 4.29          | 2,264,684             | 4.64          | 2,480,170         | 3,185,036         | 2,431,265         | 2,042,053         | 1,519,263         | 1,747,221         | 2,187,273         | 2,113,320         | 1,542,719         | 3.16          | -27.0                    | 73.7                                    |
| * East Palo Alto            | 957,813           | 1.96          | 1,041,989             | 2.14          | 994,330           | 926,129           | 1,009,447         | 751,516           | 927,742           | 976,874           | 996,587           | 938,045           | 842,883           | 1.73          | -10.1                    | 88.0                                    |
| * Estero                    | 2,878,807         | 5.90          | 2,854,051             | 5.85          | 2,741,916         | 2,576,965         | 2,729,471         | 2,542,371         | 2,531,846         | 2,747,662         | 2,691,080         | 2,509,929         | 2,392,839         | 4.90          | -4.7                     | 83.1                                    |
| * Guadalupe Valley          | 254,436           | 0.52          | 155,074               | 0.32          | 148,218           | 175,880           | 162,079           | 151,270           | 130,538           | 115,901           | 130,485           | 122,888           | 152,798           | 0.31          | 24.3                     | 60.1                                    |
| * Hillsborough              | 1,995,644         | 4.09          | 1,996,150             | 4.09          | 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         | 3.01          | -15.7                    | 73.7                                    |
| Los Trancos                 |                   |               | 34,848                | 0.07          | 52,939            | 52,869            | 60,617            |                   |                   |                   |                   |                   |                   |               |                          |   |
| * Menlo Park                | 2,174,231         | 4.46          | 1,958,458             | 4.01          | 1,742,409         | 1,630,174         | 1,879,405         | 1,648,914         | 1,688,803         | 1,735,075         | 1,857,088         | 1,628,275         | 1,556,801         | 3.19          | -4.4                     | 71.6                                    |
| * Mid-Peninsula             | 1,898,707         | 3.89          | 1,888,074             | 3.87          | 1,690,779         | 1,641,779         | 1,710,726         | 1,602,472         | 1,434,648         | 1,652,208         | 1,583,791         | 1,533,876         | 1,390,831         | 2.85          | -9.3                     | 73.3                                    |
| * Millbrae                  | 1,538,120         | 3.15          | 1,528,426             | 3.13          | 1,207,701         | 1,120,994         | 1,260,900         | 1,191,005         | 1,291,729         | 1,194,450         | 1,199,327         | 1,168,008         | 1,094,867         | 2.24          | -6.3                     | 71.2                                    |
| * North Coast               | 1,872,928         | 3.84          | 1,618,649             | 3.32          | 1,684,428         | 1,674,096         | 1,755,460         | 1,652,192         | 1,579,110         | 1,418,174         | 1,582,423         | 1,632,364         | 1,471,838         | 3.02          | -9.8                     | 78.6                                    |
| * Redwood City              | 5,333,115         | 10.93         | 5,253,772             | 10.77         | 5,679,249         | 5,561,922         | 5,950,319         | 5,423,431         | 5,308,460         | 5,694,374         | 5,711,397         | 5,048,309         | 4,689,257         | 9.61          | -7.1                     | 87.9                                    |
| San Bruno                   | 1,583,899         | 3.25          | 1,748,600             | 3.58          | 1,315,509         | 1,571,823         | 1,178,882         | 845,569           | 1,010,659         | 906,722           | 968,953           | 925,521           | 735,442           | 1.51          | -20.5                    | 46.4                                    |
| Skyline                     |                   |               | 62,726                | 0.13          | 81,618            | 79,886            | 89,334            | 71,748            | 76,938            | 80,966            | 76,864            |                   |                   |               |                          |   |
| * Westborough               | 644,172           | 1.32          | 585,151               | 1.20          | 495,742           | 458,268           | 458,268           | 531,903           | 459,831           | 532,529           | 457,299           | 485,493           | 394,878           | 0.81          | -18.7                    | 61.3                                    |
| <b>Subtotal</b>             | <b>44,386,706</b> | <b>90.96</b>  | <b>43,688,110</b>     | <b>89.53</b>  | <b>42,670,112</b> | <b>42,642,769</b> | <b>44,878,404</b> | <b>40,352,766</b> | <b>39,868,752</b> | <b>42,233,753</b> | <b>43,142,482</b> | <b>40,655,244</b> | <b>36,483,853</b> | <b>74.77</b>  | <b>-10.3</b>             | <b>91.6</b>                             |
| <b>Santa Clara County</b>   |                   |               |                       |               |                   |                   |                   |                   |                   |                   |                   |                   |                   |               |                          |   |
| Milpitas                    | 4,504,533         | 9.23          | 4,370,757             | 8.96          | 3,335,244         | 3,293,699         | 3,482,864         | 3,245,882         | 3,246,783         | 3,363,685         | 3,346,012         | 3,373,223         | 3,044,020         | 6.24          | -9.8                     | 67.6                                    |
| Mountain View               | 6,567,648         | 13.46         | 6,435,554             | 13.19         | 5,351,346         | 5,203,801         | 5,354,945         | 5,128,162         | 5,040,013         | 5,349,361         | 5,074,103         | 4,788,905         | 4,332,561         | 8.88          | -9.5                     | 66.0                                    |
| * Palo Alto                 | 8,331,697         | 17.07         | 8,009,767             | 16.41         | 6,436,196         | 6,174,327         | 6,524,654         | 5,896,965         | 5,802,911         | 6,361,100         | 6,205,790         | 5,677,018         | 5,362,816         | 10.99         | -5.5                     | 64.4                                    |
| * Purissima Hills           | 792,832           | 1.62          | 755,077               | 1.55          | 1,074,259         | 1,002,378         | 1,128,457         | 980,472           | 964,747           | 1,112,291         | 1,124,922         | 980,987           | 854,854           | 1.75          | -12.9                    | 107.8                                   |
| San Jose                    | 0                 | 0.00          | 1,541,153             | 3.16          | 2,158,333         | 2,220,166         | 2,371,194         | 2,130,206         | 2,146,284         | 2,321,769         | 2,394,495         | 2,185,349         | 1,998,932         | 4.10          | -8.5                     | n/a                                     |
| Santa Clara                 | 0                 | 0.00          | 2,429,766             | 4.98          | 1,875,240         | 1,897,549         | 1,739,448         | 2,062,068         | 2,237,932         | 2,106,452         | 1,618,029         | 1,307,380         | 1,105,658         | 2.27          | -15.4                    | n/a                                     |
| Stanford                    | 1,479,764         | 3.03          | 1,485,396             | 3.04          | 1,153,469         | 1,123,171         | 1,231,451         | 1,127,114         | 1,085,236         | 1,112,857         | 1,125,377         | 1,045,886         | 1,043,864         | 2.14          | -0.2                     | 70.5                                    |
| Sunnyvale                   | 6,138,122         | 12.58         | 7,228,076             | 14.81         | 4,727,131         | 4,424,198         | 4,675,948         | 4,260,386         | 4,766,132         | 4,505,138         | 5,072,437         | 5,181,026         | 4,771,741         | 9.78          | -7.9                     | 77.7                                    |
| <b>Subtotal</b>             | <b>27,814,596</b> | <b>57.00</b>  | <b>32,255,546</b>     | <b>66.10</b>  | <b>26,111,218</b> | <b>25,339,289</b> | <b>26,508,961</b> | <b>24,831,255</b> | <b>25,290,038</b> | <b>26,232,653</b> | <b>25,961,165</b> | <b>24,539,774</b> | <b>22,514,446</b> | <b>46.14</b>  | <b>-8.3</b>              | <b>88.2</b>                             |
| <b>Alameda County</b>       |                   |               |                       |               |                   |                   |                   |                   |                   |                   |                   |                   |                   |               |                          |   |
| Alameda CWD                 | 6,714,439         | 13.76         | 6,039,273             | 12.38         | 5,853,104         | 6,074,761         | 6,019,070         | 5,128,341         | 5,115,909         | 6,667,959         | 6,534,358         | 5,477,714         | 5,102,005         | 10.46         | -6.9                     | 76.0                                    |
| * Hayward 1                 | 8,511,066         | 17.44         | 8,504,158             | 17.43         | 8,592,175         | 8,631,661         | 9,587,543         | 9,030,652         | 8,761,512         | 8,901,286         | 9,434,134         | 9,105,654         | 8,511,066         | 17.44         | -6.5                     | 100.0                                   |
| Residual 1                  | 2,359,289         | 4.83          |                       |               |                   |                   |                   |                   |                   |                   |                   |                   |                   |               |                          |   |
| <b>Subtotal</b>             | <b>17,584,794</b> | <b>36.04</b>  | <b>14,543,431</b>     | <b>29.80</b>  | <b>14,445,279</b> | <b>14,706,422</b> | <b>15,606,613</b> | <b>14,158,993</b> | <b>13,877,421</b> | <b>15,569,245</b> | <b>15,968,492</b> | <b>14,583,368</b> | <b>13,613,071</b> | <b>27.90</b>  | <b>-6.7</b>              | <b>82.9</b>                             |
| <b>Total</b>                | <b>89,786,096</b> | <b>184.00</b> | <b>90,487,087</b>     | <b>185.44</b> | <b>83,226,609</b> | <b>82,688,480</b> | <b>86,993,978</b> | <b>79,343,014</b> | <b>79,036,211</b> | <b>84,035,651</b> | <b>85,072,140</b> | <b>79,778,386</b> | <b>72,611,370</b> | <b>148.80</b> | <b>-9.0</b>              | <b>88.9</b>                             |
| <b>mgd equiv</b>            | <b>184.00</b>     |               | <b>185.44</b>         |               | <b>170.56</b>     | <b>169.45</b>     | <b>178.28</b>     | <b>162.60</b>     | <b>161.97</b>     | <b>172.22</b>     | <b>174.34</b>     | <b>163.49</b>     | <b>148.80</b>     |               |                          |   |
| <b>Total w/o SC&amp;SJ</b>  | <b>89,786,096</b> |               | <b>86,516,168</b>     |               | <b>79,193,036</b> | <b>78,570,765</b> | <b>82,883,336</b> | <b>75,150,740</b> | <b>74,651,995</b> | <b>79,607,430</b> | <b>81,059,616</b> | <b>76,285,657</b> | <b>69,506,780</b> | <b>142.44</b> | <b>-8.9</b>              | <b>85.0</b>                             |
| <b>mgd equiv</b>            | <b>184.00</b>     |               | <b>177.30</b>         |               | <b>162.29</b>     | <b>161.02</b>     | <b>169.85</b>     | <b>154.01</b>     | <b>152.99</b>     | <b>163.14</b>     | <b>166.12</b>     | <b>156.33</b>     | <b>142.44</b>     |               |                          |   |

\* Agencies receiving 100% of their supply from the SFPUC.

\*\* 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 SFPUC. For reporting purposes here, the "supply assurance" shown for Hayward is their current year purchase (FY 2009-10). The "Residual" total is a calculated number to bring the total to 184 mgd.

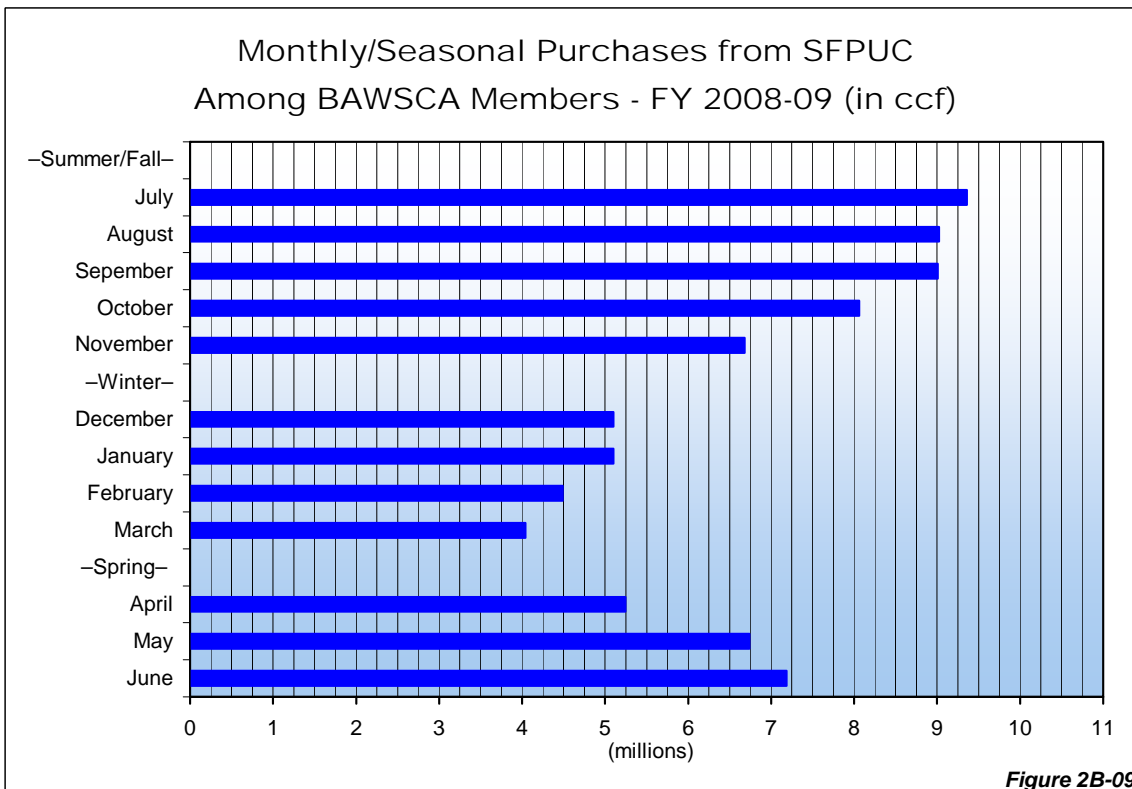
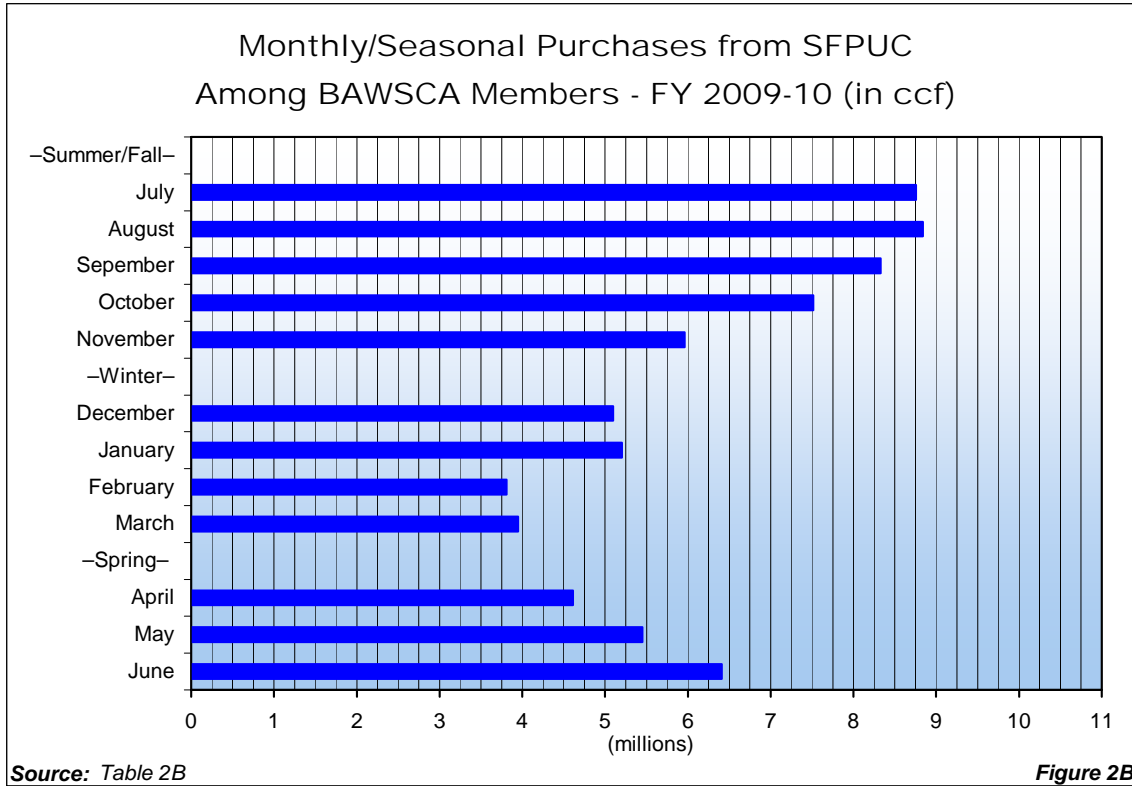
Note: Some agencies purchase SFPUC water which is then conveyed to a neighboring agency. The receiving agency is credited with this purchase; the transferring agency debited.

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

Table 2A





**Source for Figures 2B and 2B-09:** SFPUC Commercial Division



Monthly/Seasonal Purchases from SFPUC Among BAWSCA Members - FY 2009-10 (in ccf)

SFPUC Commercial Division Records Data<sup>1</sup>

| Member                | Summer/Fall      |                  |                  |                  |                  | Winter            |                  |                  |                  |                  | Spring            |                  |                  | Year             |                   |                   |               |
|-----------------------|------------------|------------------|------------------|------------------|------------------|-------------------|------------------|------------------|------------------|------------------|-------------------|------------------|------------------|------------------|-------------------|-------------------|---------------|
|                       | July             | Aug              | Sept             | Oct              | Total            | Dec               | Jan              | Feb              | March            | Total            | April             | May              | June             | Total            | mgd               |                   |               |
| * Alameda CWD         | 558,034          | 561,626          | 515,528          | 474,173          | 288,635          | <b>2,397,996</b>  | 354,800          | 576,324          | 250,383          | 370,065          | <b>1,551,572</b>  | 484,730          | 393,922          | 445,820          | <b>1,324,472</b>  | 5,274,040         | 10.81         |
| Brisbane              | 17,598           | 15,572           | 16,447           | 14,416           | 10,751           | <b>74,784</b>     | 6,307            | 5,592            | 5,309            | 5,544            | <b>22,752</b>     | 7,157            | 9,013            | 11,187           | <b>27,357</b>     | 124,893           | 0.26          |
| Burlingame            | 212,986          | 230,198          | 194,037          | 210,343          | 163,714          | <b>1,011,278</b>  | 133,885          | 119,402          | 121,491          | 110,588          | <b>485,366</b>    | 112,885          | 154,042          | 154,043          | <b>420,970</b>    | 1,917,614         | 3.93          |
| * CWS - Bear Gulch    | 658,408          | 939,541          | 759,922          | 667,662          | 451,300          | <b>3,476,833</b>  | 317,209          | 250,109          | 163,402          | 120,545          | <b>851,265</b>    | 201,191          | 307,000          | 516,815          | <b>1,025,006</b>  | 5,353,104         | 10.97         |
| CWS - Mid Peninsula   | 878,161          | 764,566          | 782,884          | 695,020          | 590,810          | <b>3,711,441</b>  | 496,732          | 477,926          | 391,311          | 393,159          | <b>1,759,128</b>  | 396,671          | 576,162          | 570,456          | <b>1,543,289</b>  | 7,013,858         | 14.37         |
| * CWS - South SF 2    | 403,712          | 352,006          | 363,740          | 349,320          | 281,911          | <b>1,750,689</b>  | 252,413          | 271,033          | 222,947          | 251,453          | <b>997,846</b>    | 244,189          | 252,675          | 277,402          | <b>774,266</b>    | 3,522,801         | 7.22          |
| * Coastside           | 46,080           | 109,600          | 179,972          | 92,784           | 85,276           | <b>513,712</b>    | 60,358           | 49,219           | 45,085           | 42,260           | <b>196,922</b>    | 48,834           | 69,745           | 59,599           | <b>178,178</b>    | 888,812           | 1.82          |
| * Daly City 2         | 302,365          | 257,182          | 280,926          | 225,697          | 254,831          | <b>1,321,001</b>  | 198,990          | 227,471          | 110,258          | 103,195          | <b>639,614</b>    | 128,988          | 153,090          | 228,899          | <b>510,977</b>    | 2,471,592         | 5.07          |
| East Palo Alto        | 72,443           | 101,396          | 90,754           | 87,965           | 71,377           | <b>423,935</b>    | 59,309           | 66,096           | 55,633           | 54,655           | <b>235,693</b>    | 64,135           | 77,451           | 84,303           | <b>225,889</b>    | 885,517           | 1.81          |
| Estero                | 325,095          | 278,899          | 282,092          | 231,574          | 201,625          | <b>1,319,285</b>  | 163,337          | 142,873          | 116,457          | 121,298          | <b>543,965</b>    | 126,201          | 200,435          | 202,989          | <b>529,625</b>    | 2,392,875         | 4.90          |
| Guadalupe Valley      | 18,785           | 17,613           | 16,324           | 14,074           | 12,178           | <b>78,974</b>     | 12,174           | 11,649           | 8,370            | 8,782            | <b>40,975</b>     | 10,572           | 11,720           | 11,760           | <b>34,052</b>     | 154,001           | 0.32          |
| ** Hayward            | 1,050,315        | 887,440          | 862,514          | 840,877          | 681,201          | <b>4,322,347</b>  | 505,302          | 653,869          | 403,980          | 581,782          | <b>2,144,933</b>  | 660,360          | 627,389          | 756,057          | <b>2,043,806</b>  | 8,511,086         | 17.44         |
| Hillsborough          | 230,616          | 208,356          | 211,580          | 181,062          | 100,207          | <b>931,821</b>    | 106,622          | 56,827           | 39,228           | 41,658           | <b>244,335</b>    | 54,514           | 93,762           | 123,051          | <b>271,327</b>    | 1,447,483         | 2.97          |
| Menlo Park            | 187,125          | 193,905          | 180,204          | 154,768          | 111,451          | <b>827,453</b>    | 81,706           | 80,505           | 66,975           | 69,187           | <b>298,373</b>    | 86,539           | 119,538          | 152,615          | <b>358,692</b>    | 1,484,518         | 3.04          |
| Mid-Peninsula         | 166,174          | 160,978          | 160,150          | 140,715          | 115,190          | <b>743,207</b>    | 96,663           | 77,751           | 85,950           | 73,926           | <b>334,290</b>    | 88,468           | 101,476          | 133,324          | <b>323,268</b>    | 1,400,765         | 2.87          |
| Millbrae              | 120,754          | 130,529          | 121,953          | 108,716          | 91,406           | <b>573,358</b>    | 75,689           | 70,544           | 72,248           | 64,916           | <b>283,397</b>    | 65,572           | 90,402           | 82,138           | <b>238,192</b>    | 1,094,867         | 2.24          |
| * Milpitas            | 344,697          | 372,249          | 323,185          | 313,587          | 265,355          | <b>1,619,073</b>  | 217,801          | 222,277          | 173,296          | 183,024          | <b>796,398</b>    | 192,857          | 218,446          | 238,796          | <b>650,099</b>    | 3,065,570         | 6.28          |
| * Mountain View       | 509,616          | 536,608          | 485,400          | 455,847          | 365,088          | <b>2,352,559</b>  | 334,340          | 297,730          | 227,190          | 216,615          | <b>1,075,875</b>  | 266,896          | 308,648          | 361,098          | <b>936,642</b>    | 4,365,076         | 8.95          |
| * North Coast         | 166,406          | 154,642          | 159,321          | 129,099          | 113,579          | <b>723,047</b>    | 112,410          | 106,637          | 109,961          | 102,052          | <b>431,060</b>    | 92,747           | 109,002          | 119,308          | <b>321,057</b>    | 1,475,164         | 3.02          |
| Palo Alto             | 643,600          | 677,052          | 618,228          | 554,752          | 432,928          | <b>2,926,560</b>  | 306,211          | 302,409          | 249,304          | 252,052          | <b>1,109,976</b>  | 339,387          | 439,410          | 547,210          | <b>1,326,007</b>  | 5,362,543         | 10.99         |
| Purissima Hills       | 125,845          | 133,306          | 119,512          | 103,569          | 64,194           | <b>546,426</b>    | 39,386           | 31,816           | 22,335           | 22,274           | <b>115,811</b>    | 42,252           | 64,403           | 85,962           | <b>192,617</b>    | 854,854           | 1.75          |
| Redwood City          | 557,943          | 552,080          | 544,478          | 454,107          | 379,770          | <b>2,488,378</b>  | 308,005          | 262,404          | 279,726          | 241,631          | <b>1,091,766</b>  | 296,946          | 349,667          | 462,500          | <b>1,109,113</b>  | 4,689,257         | 9.61          |
| * San Bruno 2         | 86,863           | 118,463          | 91,541           | 77,125           | 59,914           | <b>433,906</b>    | 43,587           | 40,410           | 38,425           | 36,721           | <b>159,143</b>    | 27,589           | 40,863           | 51,553           | <b>120,005</b>    | 713,054           | 1.46          |
| * San Jose            | 237,093          | 238,292          | 221,096          | 212,939          | 173,532          | <b>1,082,952</b>  | 137,740          | 124,854          | 106,331          | 111,674          | <b>480,599</b>    | 123,120          | 155,448          | 173,221          | <b>451,789</b>    | 2,015,340         | 4.13          |
| * Santa Clara         | 136,646          | 123,331          | 100,018          | 103,975          | 89,998           | <b>553,968</b>    | 82,022           | 87,230           | 86,508           | 87,730           | <b>343,490</b>    | 80,702           | 90,216           | 79,289           | <b>250,207</b>    | 1,147,665         | 2.35          |
| * Stanford University | 112,184          | 113,252          | 104,057          | 101,315          | 94,212           | <b>525,020</b>    | 64,961           | 58,568           | 64,203           | 64,877           | <b>252,609</b>    | 73,818           | 92,083           | 100,334          | <b>266,235</b>    | 1,043,864         | 2.14          |
| * Sunnyvale           | 524,347          | 572,438          | 508,596          | 476,849          | 374,362          | <b>2,456,592</b>  | 495,614          | 503,992          | 267,870          | 192,766          | <b>1,460,242</b>  | 268,376          | 308,118          | 344,988          | <b>921,482</b>    | 4,838,316         | 9.92          |
| Westborough           | 60,944           | 36,544           | 34,587           | 41,971           | 33,654           | <b>207,700</b>    | 31,285           | 31,022           | 24,060           | 23,249           | <b>109,616</b>    | 27,773           | 35,377           | 31,594           | <b>94,744</b>     | 412,060           | 0.84          |
| <b>Totals</b>         | <b>8,754,835</b> | <b>8,837,664</b> | <b>8,329,046</b> | <b>7,514,301</b> | <b>5,958,449</b> | <b>39,394,295</b> | <b>5,094,558</b> | <b>5,206,539</b> | <b>3,808,236</b> | <b>3,947,678</b> | <b>18,057,011</b> | <b>4,613,469</b> | <b>5,449,503</b> | <b>6,406,311</b> | <b>16,469,283</b> | <b>73,920,589</b> | <b>151.49</b> |

| Seasonal Comparisons | Summer/Fall          |                | Winter            |                | Spring            |                | Year              |                |               |
|----------------------|----------------------|----------------|-------------------|----------------|-------------------|----------------|-------------------|----------------|---------------|
|                      | Year                 | Total          | Year              | Total          | Year              | Total          | Year              | Total          |               |
| 1998-99              |                      | 42,982,122     | 1998-99           | 18,620,919     | 1998-99           | 20,611,816     | 1998-99           | 82,214,857     | 168.48        |
| 1999-00              |                      | 43,270,053     | 1999-00           | 19,477,554     | 1999-00           | 21,899,953     | 1999-00           | 84,647,560     | 173.47        |
| 2000-01              |                      | 43,244,838     | 2000-01           | 19,777,579     | 2000-01           | 22,304,976     | 2000-01           | 85,327,393     | 174.86        |
| 2001-02              |                      | 43,085,082     | 2001-02           | 18,828,291     | 2001-02           | 21,648,803     | 2001-02           | 83,562,176     | 171.25        |
| 2002-03              |                      | 43,448,746     | 2002-03           | 19,588,654     | 2002-03           | 19,624,766     | 2002-03           | 82,662,166     | 169.40        |
| 2003-04              |                      | 45,402,020     | 2003-04           | 18,817,779     | 2003-04           | 24,260,946     | 2003-04           | 88,480,745     | 181.32        |
| 2004-05              |                      | 43,634,362     | 2004-05           | 18,950,296     | 2004-05           | 19,088,208     | 2004-05           | 81,672,866     | 167.37        |
| 2005-06              |                      | 43,420,410     | 2005-06           | 19,016,132     | 2005-06           | 17,818,603     | 2005-06           | 80,255,145     | 164.47        |
| 2006-07              |                      | 43,945,621     | 2006-07           | 19,334,891     | 2006-07           | 22,498,624     | 2006-07           | 85,779,136     | 175.79        |
| 2007-08              |                      | 41,833,467     | 2007-08           | 19,711,571     | 2007-08           | 23,073,285     | 2007-08           | 84,618,323     | 173.41        |
| 2008-09              |                      | 42,129,812     | 2008-09           | 18,732,019     | 2008-09           | 19,172,178     | 2008-09           | 80,034,009     | 164.01        |
| <b>Since 1983-84</b> | <b>Record Highs:</b> | <b>2003-04</b> | <b>45,402,020</b> | <b>1987-88</b> | <b>21,979,000</b> | <b>1986-87</b> | <b>25,083,000</b> | <b>1986-87</b> | <b>185.31</b> |
|                      | <b>Record Lows:</b>  | <b>1991-92</b> | <b>30,326,000</b> | <b>1983-84</b> | <b>13,429,000</b> | <b>1990-91</b> | <b>13,464,000</b> | <b>1991-92</b> | <b>126.79</b> |

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. Daly City's total of 2,471,592 ccf includes 904,854 ccf in supplemental water purchases. See Table 2D.

\* Agency has other sources besides SFPUC.

\*\*Includes 93,042 ccf for intertie credit.

Source: SFPUC Commercial Division Records

Table 2B



Historical SFPUC Wholesale Water Purchases  
by BAWUA/BAWSCA Agencies\*

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     |

\* 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 2C**



Supplemental SFPUC Water Purchases  
by Participating BAWSCA Agencies (in ccf)

| Year    | CWS-South     |           |           | Total ccf | Total mgd |
|---------|---------------|-----------|-----------|-----------|-----------|
|         | San Francisco | Daly City | San Bruno |           |           |
| 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      |

Starting in FY2002-03, Cal Water (South San Francisco), Daly City, and San Bruno participated in a pilot conjunctive use program whereby surplus SFPUC 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 SFPUC 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 2009-10; indicative of a wetter year.

**Source:** BAWSCA FY 2009-10 Annual Survey

**Table 2D**



### 3. Total Water Supply and Demand



Historical BAWSCA Water Use by Agency (in ccf)  
 Inclusive of unaccounted for water; exclusive of supplemental purchases

| Member                    | FY 1998-99         | FY 1999-00         | FY 2000-01         | FY 2001-02         | FY 2002-03         | FY 2003-04         | FY 2004-05         | FY 2005-06         | FY 2006-07         | FY 2007-08         | FY 2008-09         | FY 2009-10         | mgd           | 2009-10/<br>2008-09<br>% Change |
|---------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------------------------|
| <b>San Mateo County</b>   |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |               |                                 |
| Brisbane                  | 165,673            | 227,801            | 185,735            | 188,658            | 192,066            | 192,518            | 175,335            | 191,963            | 200,437            | 182,661            | 179,743            | 123,803            | 0.25          | -31.1                           |
| Burlingame                | 2,266,517          | 2,383,663          | 2,380,932          | 2,264,761          | 2,315,100          | 2,335,235          | 2,205,818          | 2,121,360          | 2,209,757          | 2,195,474          | 2,086,616          | 1,920,815          | 3.94          | -7.9                            |
| CWS - Bear Gulch          | 5,859,418          | 6,150,566          | 6,275,226          | 5,986,932          | 5,848,115          | 6,612,291          | 5,783,871          | 5,925,540          | 6,673,025          | 6,867,205          | 6,413,044          | 5,762,738          | 11.81         | -10.1                           |
| CWS - Mid Peninsula       | 7,981,104          | 8,231,977          | 8,460,294          | 8,173,434          | 8,058,754          | 8,471,101          | 7,738,445          | 7,945,376          | 8,085,040          | 7,813,188          | 7,621,387          | 7,062,049          | 14.47         | -7.3                            |
| CWS - South SF            | 4,055,409          | 4,218,788          | 4,227,990          | 3,846,123          | 3,701,615          | 4,064,571          | 4,234,118          | 3,886,698          | 4,052,652          | 4,035,772          | 3,927,339          | 3,689,071          | 7.56          | -6.1                            |
| Coastside                 | 1,141,216          | 1,060,573          | 1,072,459          | 1,252,675          | 1,226,580          | 1,344,791          | 1,171,523          | 1,111,523          | 1,263,875          | 1,202,915          | 1,055,296          | 986,484            | 2.02          | -6.5                            |
| Cordilleras               | 2,600              | 3,105              | 2,711              | 2,244              |                    |                    |                    |                    |                    |                    |                    |                    |               |                                 |
|                           |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |               | Not BAWSCA Member               |
| Daly City                 | 4,033,799          | 4,138,917          | 3,968,432          | 3,898,360          | 2,897,056          | 3,116,587          | 2,349,113          | 1,852,259          | 2,330,281          | 3,731,419          | 3,387,850          | 2,366,022          | 4.85          | -36.6                           |
| East Palo Alto            | 973,473            | 996,890            | 1,045,527          | 994,330            | 926,129            | 1,009,447          | 751,516            | 927,742            | 976,874            | 996,587            | 938,629            | 842,883            | 1.73          | -15.4                           |
| Estero                    | 2,716,832          | 2,765,373          | 2,873,777          | 2,741,916          | 2,576,965          | 2,729,471          | 2,542,371          | 2,531,846          | 2,747,662          | 2,691,080          | 2,538,289          | 2,392,839          | 4.90          | -5.7                            |
| Guadalupe Valley          | 136,534            | 130,412            | 187,490            | 148,218            | 175,880            | 162,079            | 151,270            | 130,538            | 115,901            | 130,485            | 122,888            | 152,798            | 0.31          | 24.3                            |
| Hillsborough              | 1,652,100          | 1,720,719          | 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          | 3.01          | -15.7                           |
| Los Trancos               | 55,095             | 59,273             | 54,427             | 52,939             | 52,869             | 60,617             |                    |                    |                    |                    |                    |                    |               | Included with CWS-BG            |
| Menlo Park                | 1,655,845          | 1,819,883          | 1,684,982          | 1,813,886          | 1,694,548          | 1,943,081          | 1,713,701          | 1,688,803          | 1,735,075          | 1,857,088          | 1,628,275          | 1,556,801          | 3.19          | -4.4                            |
| Mid-Peninsula             | 1,611,108          | 1,744,963          | 1,720,007          | 1,690,779          | 1,641,779          | 1,710,726          | 1,602,472          | 1,434,648          | 1,652,208          | 1,583,791          | 1,533,876          | 1,390,831          | 2.85          | -9.3                            |
| Millbrae                  | 1,282,929          | 1,268,771          | 1,339,122          | 1,207,702          | 1,120,994          | 1,260,900          | 1,191,005          | 1,291,729          | 1,194,450          | 1,199,327          | 1,179,720          | 1,101,551          | 2.26          | -6.6                            |
| North Coast               | 1,632,449          | 1,690,405          | 1,654,065          | 1,684,428          | 1,674,096          | 1,755,460          | 1,652,192          | 1,579,110          | 1,538,215          | 1,582,423          | 1,632,364          | 1,471,838          | 3.02          | -9.8                            |
| Redwood City              | 5,572,538          | 5,784,279          | 5,756,002          | 5,686,561          | 5,574,172          | 5,961,864          | 5,436,566          | 5,315,929          | 5,701,245          | 5,823,781          | 5,091,014          | 4,891,124          | 10.02         | -3.9                            |
| San Bruno                 | 2,130,945          | 2,148,394          | 2,153,981          | 2,042,430          | 1,483,694          | 1,503,240          | 1,171,626          | 1,868,846          | 1,821,102          | 1,908,564          | 1,877,662          | 1,780,704          | 3.65          | -5.2                            |
| Skyline                   | 86,423             | 84,702             | 82,045             | 81,618             | 78,713             | 90,672             | 71,748             | 76,938             | 80,966             | 76,864             |                    |                    |               | Included w/ CWS-BG              |
| Westborough               | 492,769            | 504,272            | 493,313            | 495,742            | 458,268            | 493,973            | 531,903            | 459,831            | 532,529            | 457,299            | 485,493            | 394,878            | 0.81          | -18.7                           |
| <b>Subtotal</b>           | <b>45,504,776</b>  | <b>47,133,726</b>  | <b>47,344,179</b>  | <b>45,990,107</b>  | <b>43,354,467</b>  | <b>46,755,479</b>  | <b>42,105,187</b>  | <b>42,006,563</b>  | <b>44,697,471</b>  | <b>46,228,963</b>  | <b>43,443,413</b>  | <b>39,357,638</b>  | <b>80.66</b>  | <b>-9.4</b>                     |
| <b>mgd</b>                | <b>93.25</b>       | <b>96.59</b>       | <b>97.02</b>       | <b>94.25</b>       | <b>88.85</b>       | <b>95.82</b>       | <b>86.29</b>       | <b>86.08</b>       | <b>91.60</b>       | <b>94.74</b>       | <b>89.03</b>       | <b>80.66</b>       |               |                                 |
| <b>Santa Clara County</b> |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |               |                                 |
| Milpitas                  | 5,555,926          | 5,831,829          | 5,901,636          | 5,622,732          | 5,565,070          | 5,812,917          | 5,320,838          | 5,400,800          | 5,505,034          | 5,548,937          | 5,470,765          | 4,878,858          | 10.00         | -10.8                           |
| Mountain View             | 5,999,519          | 6,274,818          | 6,189,004          | 5,983,402          | 5,769,214          | 5,994,040          | 5,730,268          | 5,750,554          | 6,116,445          | 5,774,334          | 5,547,956          | 5,080,734          | 10.41         | -8.4                            |
| Palo Alto                 | 6,388,707          | 6,779,838          | 6,753,016          | 6,472,196          | 6,445,487          | 6,860,978          | 6,236,965          | 6,180,611          | 6,778,100          | 6,620,815          | 6,001,341          | 5,715,348          | 11.71         | -4.8                            |
| Purissima Hills           | 943,925            | 1,033,036          | 1,066,141          | 1,074,259          | 1,002,378          | 1,128,457          | 980,472            | 964,747            | 1,112,291          | 1,124,922          | 980,987            | 854,854            | 1.75          | -12.9                           |
| San Jose                  | 2,199,134          | 2,469,789          | 2,518,011          | 2,248,900          | 2,459,962          | 2,658,255          | 2,360,722          | 2,362,632          | 2,569,248          | 2,674,031          | 2,437,246          | 2,187,918          | 4.48          | -10.2                           |
| Santa Clara               | 12,486,909         | 12,317,089         | 12,239,701         | 11,572,024         | 11,172,284         | 11,705,256         | 11,278,162         | 11,540,998         | 12,007,298         | 11,782,654         | 10,852,916         | 10,139,329         | 20.78         | -6.6                            |
| Stanford                  | 1,673,208          | 1,772,457          | 1,909,905          | 1,697,097          | 1,608,117          | 1,718,295          | 1,571,164          | 1,446,902          | 1,576,978          | 1,722,672          | 1,573,920          | 1,545,411          | 3.17          | -1.8                            |
| Sunnyvale                 | 11,804,744         | 11,276,687         | 11,489,820         | 10,851,232         | 11,122,410         | 11,140,997         | 10,609,500         | 10,673,793         | 10,887,010         | 10,695,118         | 10,369,022         | 9,354,936          | 19.17         | -9.8                            |
| <b>Subtotal</b>           | <b>47,052,072</b>  | <b>47,755,543</b>  | <b>48,067,234</b>  | <b>45,521,842</b>  | <b>45,144,922</b>  | <b>47,019,195</b>  | <b>44,088,091</b>  | <b>44,321,037</b>  | <b>46,552,404</b>  | <b>45,943,483</b>  | <b>43,234,153</b>  | <b>39,757,387</b>  | <b>81.48</b>  |                                 |
| <b>mgd</b>                | <b>96.42</b>       | <b>97.87</b>       | <b>98.50</b>       | <b>93.29</b>       | <b>92.52</b>       | <b>96.36</b>       | <b>90.35</b>       | <b>90.83</b>       | <b>95.40</b>       | <b>94.15</b>       | <b>88.60</b>       | <b>81.48</b>       |               |                                 |
| <b>Alameda County</b>     |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |               |                                 |
| Alameda                   | 23,401,890         | 24,654,808         | 24,534,236         | 24,040,805         | 23,772,066         | 24,636,132         | 22,450,662         | 23,112,968         | 24,048,399         | 23,829,489         | 22,126,618         | 20,665,490         | 42.35         | -6.6                            |
| Hayward                   | 8,671,292          | 9,133,496          | 8,959,450          | 8,592,175          | 8,631,661          | 9,587,525          | 9,030,652          | 8,924,063          | 8,901,286          | 9,434,134          | 9,105,654          | 8,511,066          | 17.44         | -6.5                            |
| <b>Subtotal</b>           | <b>32,073,182</b>  | <b>33,788,304</b>  | <b>33,493,686</b>  | <b>32,632,980</b>  | <b>32,403,727</b>  | <b>34,223,657</b>  | <b>31,481,314</b>  | <b>32,037,031</b>  | <b>32,949,685</b>  | <b>33,263,623</b>  | <b>31,232,272</b>  | <b>29,176,556</b>  | <b>59.79</b>  | <b>-6.6</b>                     |
| <b>mgd</b>                | <b>65.73</b>       | <b>69.24</b>       | <b>68.64</b>       | <b>66.88</b>       | <b>66.41</b>       | <b>70.14</b>       | <b>64.52</b>       | <b>65.65</b>       | <b>67.52</b>       | <b>68.17</b>       | <b>64.00</b>       | <b>59.79</b>       |               |                                 |
| <b>Total</b>              | <b>124,630,030</b> | <b>128,677,573</b> | <b>128,905,099</b> | <b>124,144,929</b> | <b>120,903,117</b> | <b>127,998,331</b> | <b>117,674,592</b> | <b>118,364,630</b> | <b>124,199,560</b> | <b>125,436,068</b> | <b>117,909,838</b> | <b>108,291,581</b> | <b>221.92</b> | <b>-8.2</b>                     |
| <b>mgd</b>                | <b>255.41</b>      | <b>263.70</b>      | <b>264.17</b>      | <b>254.41</b>      | <b>247.77</b>      | <b>262.31</b>      | <b>241.15</b>      | <b>242.57</b>      | <b>254.52</b>      | <b>257.06</b>      | <b>241.63</b>      | <b>221.92</b>      |               |                                 |
| <b>% Change</b>           | <b>5.5</b>         | <b>3.2</b>         | <b>0.2</b>         | <b>-3.7</b>        | <b>-2.6</b>        | <b>5.9</b>         | <b>-8.1</b>        | <b>0.6</b>         | <b>4.9</b>         | <b>1.0</b>         | <b>-6.0</b>        | <b>-8.2</b>        |               |                                 |

Note: Totals exclusive of supplemental purchases.

Source: BAWSCA Annual Surveys

Table 3A



## Historical Water Use Among BAWUA/BAWSCA Agencies\*

### 1975-76 to Present

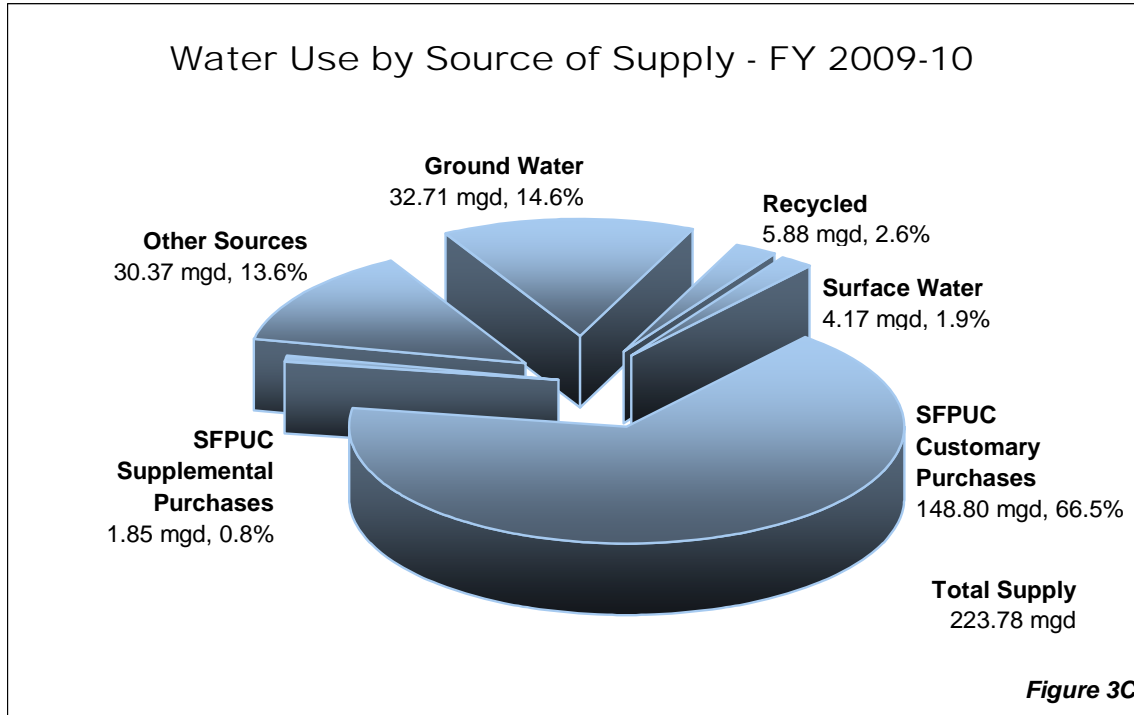
| Year    | ccf         | mgd   | acre feet | % Change |
|---------|-------------|-------|-----------|----------|
| 1975-76 | 103,703,209 | 212.5 | 238,070   |          |
| 1976-77 | 78,114,973  | 160.1 | 179,327   | -24.7    |
| 1977-78 | 80,544,118  | 165.1 | 184,904   | 3.1      |
| 1978-79 | 90,148,396  | 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 | 120,903,117 | 247.8 | 277,555   | -2.6     |
| 2003-04 | 127,998,331 | 262.3 | 293,844   | 5.9      |
| 2004-05 | 117,674,592 | 241.2 | 270,144   | -8.1     |
| 2005-06 | 118,364,630 | 242.6 | 271,728   | 0.6      |
| 2006-07 | 124,199,560 | 254.5 | 285,123   | 4.9      |
| 2007-08 | 125,436,068 | 257.1 | 287,962   | 1.0      |
| 2008-09 | 117,909,838 | 241.6 | 270,684   | -6.0     |
| 2009-10 | 108,291,581 | 221.9 | 248,603   | -8.2     |

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

**Source:** BAWUA/BAWSCA Annual Surveys

**Table 3B**







## Water Use by Source of Supply - FY 2009-10 (in ccf)

| Member                    | SFPUC Purchases   |                |              | Local Sources (non-SFPUC) |              |                  |             | Other Sources    |              |                   |              | Totals             |               |               |
|---------------------------|-------------------|----------------|--------------|---------------------------|--------------|------------------|-------------|------------------|--------------|-------------------|--------------|--------------------|---------------|---------------|
|                           | Customary         | Supplemental   | % of Supply  | Ground Water              | % of Supply  | Surface Water    | % of Supply | Recycled Water   | % of Supply  | Other Sources     | % of Supply  | Total Supply       | mgd Equiv     | % of Total    |
| <b>San Mateo County</b>   |                   |                |              |                           |              |                  |             |                  |              |                   |              |                    |               |               |
| Brisbane                  | 123,803           | 0              | 100.0%       | 0                         | 0%           | 0                | 0%          | 0                | 0%           | 0                 | 0.0%         | 123,803            | 0.25          | 0.11%         |
| Burlingame                | 1,920,815         | 0              | 100.0%       | 0                         | 0%           | 0                | 0%          | 0                | 0%           | 0                 | 0%           | 1,920,815          | 3.94          | 1.76%         |
| CWS - Bear Gulch          | 5,243,496         | 0              | 91.0%        | 0                         | 0%           | 519,242          | 9.0%        | 0                | 0%           | 0                 | 0.0%         | 5,762,738          | 11.81         | 5.28%         |
| CWS - Mid Peninsula       | 7,062,049         | 0              | 100.0%       | 0                         | 0%           | 0                | 0.0%        | 0                | 0%           | 0                 | 0%           | 7,062,049          | 14.47         | 6.47%         |
| CWS - South SF            | 3,510,453         | 0              | 95.2%        | 178,618                   | 4.8%         | 0                | 0%          | 0                | 0%           | 0                 | 0%           | 3,689,071          | 7.56          | 3.38%         |
| Coastside                 | 887,675           | 0              | 90.0%        | 8,408                     | 0.9%         | 31,363           | 3.2%        | 0                | 0%           | 59,038            | 6.0%         | 986,484            | 2.02          | 0.90%         |
| Daly City                 | 1,542,719 *       | 904,856        | 47.2%        | 819,239                   | 25.0%        | 0                | 0%          | 4,064            | 0.1%         | 0                 | 0.00%        | 3,270,878          | 6.70          | 3.00%         |
| East Palo Alto            | 842,883 **        | 0              | 100.0%       | 0                         | 0.00%        | 0                | 0%          | 0                | 0%           | 0                 | 0%           | 842,883            | 1.73          | 0.77%         |
| Estero                    | 2,392,839         | 0              | 100.0%       | 0                         | 0%           | 0                | 0%          | 0                | 0%           | 0                 | 0%           | 2,392,839          | 4.90          | 2.19%         |
| Guadalupe Valley          | 152,798           | 0              | 100.0%       | 0                         | 0%           | 0                | 0%          | 0                | 0%           | 0                 | 0.0%         | 152,798            | 0.31          | 0.14%         |
| Hillsborough              | 1,470,409         | 0              | 100.0%       | 0                         | 0%           | 0                | 0%          | 0                | 0%           | 0                 | 0%           | 1,470,409          | 3.01          | 1.35%         |
| Menlo Park                | 1,556,801         | 0              | 100.0%       | 0                         | 0%           | 0                | 0%          | 0                | 0%           | 0                 | 0.0%         | 1,556,801          | 3.19          | 1.43%         |
| Mid-Peninsula             | 1,390,831         | 0              | 100.0%       | 0                         | 0%           | 0                | 0%          | 0                | 0%           | 0                 | 0%           | 1,390,831          | 2.85          | 1.27%         |
| Millbrae                  | 1,094,867         | 0              | 99.4%        | 0                         | 0%           | 0                | 0%          | 6,684            | 1%           | 0                 | 0%           | 1,101,551          | 2.26          | 1.01%         |
| North Coast               | 1,471,838         | 0              | 100.0%       | 0                         | 0%           | 0                | 0%          | 0                | 0%           | 0                 | 0%           | 1,471,838          | 3.02          | 1.35%         |
| Redwood City              | 4,689,257         | 0              | 95.9%        | 0                         | 0%           | 0                | 0%          | 201,867          | 4.1%         | 0                 | 0%           | 4,891,124          | 10.02         | 4.48%         |
| San Bruno                 | 735,442           | 0              | 41.3%        | 1,045,262                 | 58.7%        | 0                | 0%          | 0                | 0%           | 0                 | 0.0%         | 1,780,704          | 3.65          | 1.63%         |
| Westborough               | 394,878           | 0              | 100.0%       | 0                         | 0%           | 0                | 0%          | 0                | 0%           | 0                 | 0%           | 394,878            | 0.81          | 0.36%         |
| <b>Subtotal</b>           | <b>36,483,853</b> | <b>904,856</b> | <b>92.9%</b> | <b>2,051,527</b>          | <b>5.1%</b>  | <b>550,605</b>   | <b>1.4%</b> | <b>212,615</b>   | <b>0.53%</b> | <b>59,038</b>     | <b>0.1%</b>  | <b>40,262,494</b>  | <b>82.51</b>  | <b>36.87%</b> |
| <b>mgd equiv</b>          | <b>74.77</b>      | <b>1.85</b>    |              | <b>4.20</b>               |              | <b>1.13</b>      |             | <b>0.44</b>      |              | <b>0.12</b>       |              | <b>82.51</b>       |               |               |
| <b>Santa Clara County</b> |                   |                |              |                           |              |                  |             |                  |              |                   |              |                    |               |               |
| Milpitas                  | 3,044,020         | 0              | 62.4%        | 0                         | 0%           | 0                | 0%          | 374,859          | 7.7%         | 1,459,979         | 29.9%        | 4,878,858          | 10.00         | 4.47%         |
| Mountain View             | 4,332,561         | 0              | 85.3%        | 189,877                   | 3.7%         | 0                | 0%          | 116,116          | 2%           | 442,180           | 8.7%         | 5,080,734          | 10.41         | 4.65%         |
| Palo Alto                 | 5,362,816         | 0              | 93.8%        | 0                         | 0%           | 0                | 0%          | 352,532          | 6.2%         | 0                 | 0%           | 5,715,348          | 11.71         | 5.23%         |
| Purissima Hills           | 854,854           | 0              | 100.0%       | 0                         | 0%           | 0                | 0%          | 0                | 0%           | 0                 | 0%           | 854,854            | 1.75          | 0.78%         |
| San Jose                  | 1,998,932         | 0              | 91.4%        | 0                         | 0.0%         | 0                | 0%          | 188,986          | 8.6%         | 0                 | 0%           | 2,187,918          | 4.48          | 2.00%         |
| Santa Clara               | 1,105,658         | 0              | 10.9%        | 6,150,700                 | 60.7%        | 0                | 0%          | 1,043,046        | 10.3%        | 1,839,925         | 18.1%        | 10,139,329         | 20.78         | 9.29%         |
| Stanford                  | 1,043,864         | 0              | 67.5%        | 149,039                   | 9.6%         | 352,508          | 22.8%       | 0                | 0%           | 0                 | 0%           | 1,545,411          | 3.17          | 1.42%         |
| Sunnyvale                 | 4,771,741         | 0              | 51.0%        | 767,648                   | 8.2%         | 0                | 0%          | 578,995          | 6.2%         | 3,236,552         | 34.6%        | 9,354,936          | 19.17         | 8.57%         |
| <b>Subtotal</b>           | <b>22,514,446</b> | <b>0</b>       | <b>56.6%</b> | <b>7,257,264</b>          | <b>18.3%</b> | <b>352,508</b>   | <b>0.9%</b> | <b>2,654,534</b> | <b>6.7%</b>  | <b>6,978,636</b>  | <b>17.6%</b> | <b>39,757,387</b>  | <b>81.48</b>  | <b>36.41%</b> |
| <b>mgd equiv</b>          | <b>46.14</b>      | <b>0.00</b>    |              | <b>14.87</b>              |              | <b>0.72</b>      |             | <b>5.44</b>      |              | <b>14.30</b>      |              | <b>81.48</b>       |               |               |
| <b>Alameda County</b>     |                   |                |              |                           |              |                  |             |                  |              |                   |              |                    |               |               |
| Alameda CWD               | 5,102,005         | 0              | 24.7%        | 6,651,067                 | 32.2%        | 1,131,689        | 5.5%        | 0                | 0%           | 7,780,729         | 37.7%        | 20,665,490         | 42.35         | 18.9%         |
| Hayward                   | 8,511,066         | 0              | 100.0%       | 0                         | 0%           | 0                | 0%          | 0                | 0%           | 0                 | 0.0%         | 8,511,066          | 17.44         | 7.8%          |
| <b>Subtotal</b>           | <b>13,613,071</b> | <b>0</b>       | <b>46.7%</b> | <b>6,651,067</b>          | <b>22.8%</b> | <b>1,131,689</b> | <b>3.9%</b> | <b>0</b>         | <b>0%</b>    | <b>7,780,729</b>  | <b>26.7%</b> | <b>29,176,556</b>  | <b>59.79</b>  | <b>26.72%</b> |
| <b>mgd equiv</b>          | <b>27.90</b>      | <b>0.00</b>    |              | <b>13.63</b>              |              | <b>2.32</b>      |             | <b>0</b>         |              | <b>15.95</b>      |              | <b>59.79</b>       |               |               |
| <b>Total</b>              | <b>72,611,370</b> | <b>904,856</b> | <b>67.3%</b> | <b>15,959,858</b>         | <b>14.6%</b> | <b>2,034,802</b> | <b>1.9%</b> | <b>2,867,149</b> | <b>2.6%</b>  | <b>14,818,403</b> | <b>13.6%</b> | <b>109,196,437</b> | <b>223.78</b> | <b>100.0%</b> |
| <b>mgd equiv</b>          | <b>148.80</b>     | <b>1.85</b>    |              | <b>32.71</b>              |              | <b>4.17</b>      |             | <b>5.88</b>      |              | <b>30.37</b>      |              | <b>223.78</b>      |               |               |

\*The total recycled water noted here is the portion that actually replaces a potable supply. Total recycled water delivered was 219,198 ccf.

\*\*Excludes SFPUC water conveyed to Menlo Park (43,708)

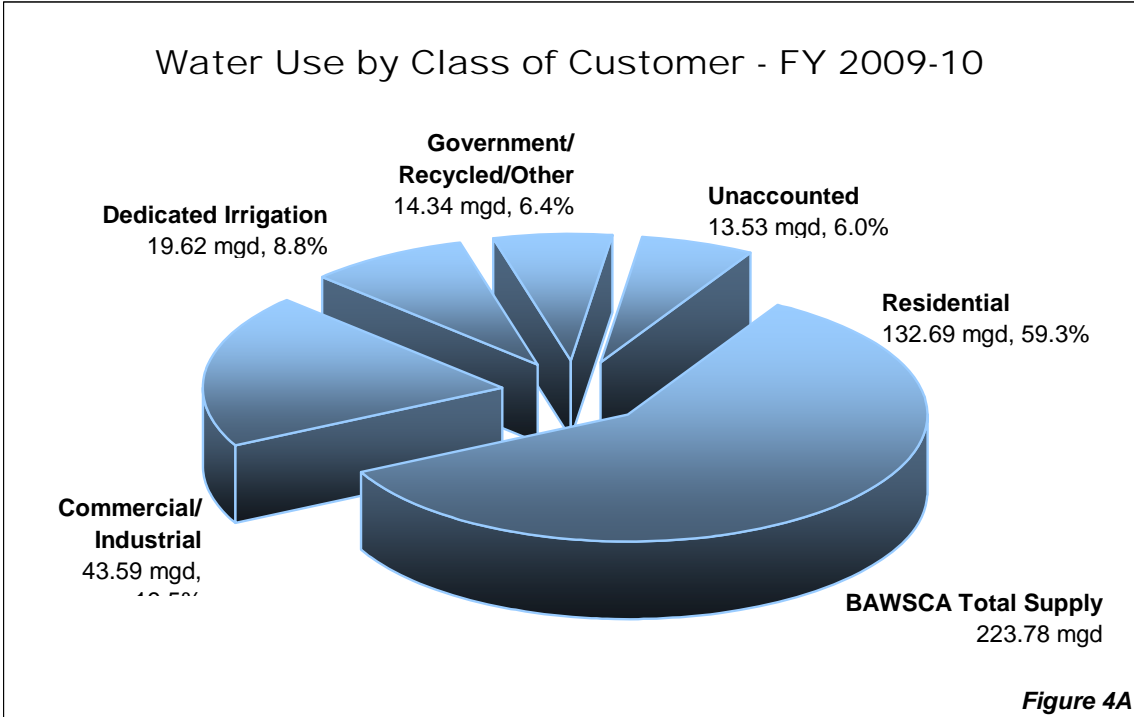
Source: BAWSCA FY 2009-10 Annual Survey

Table 3C



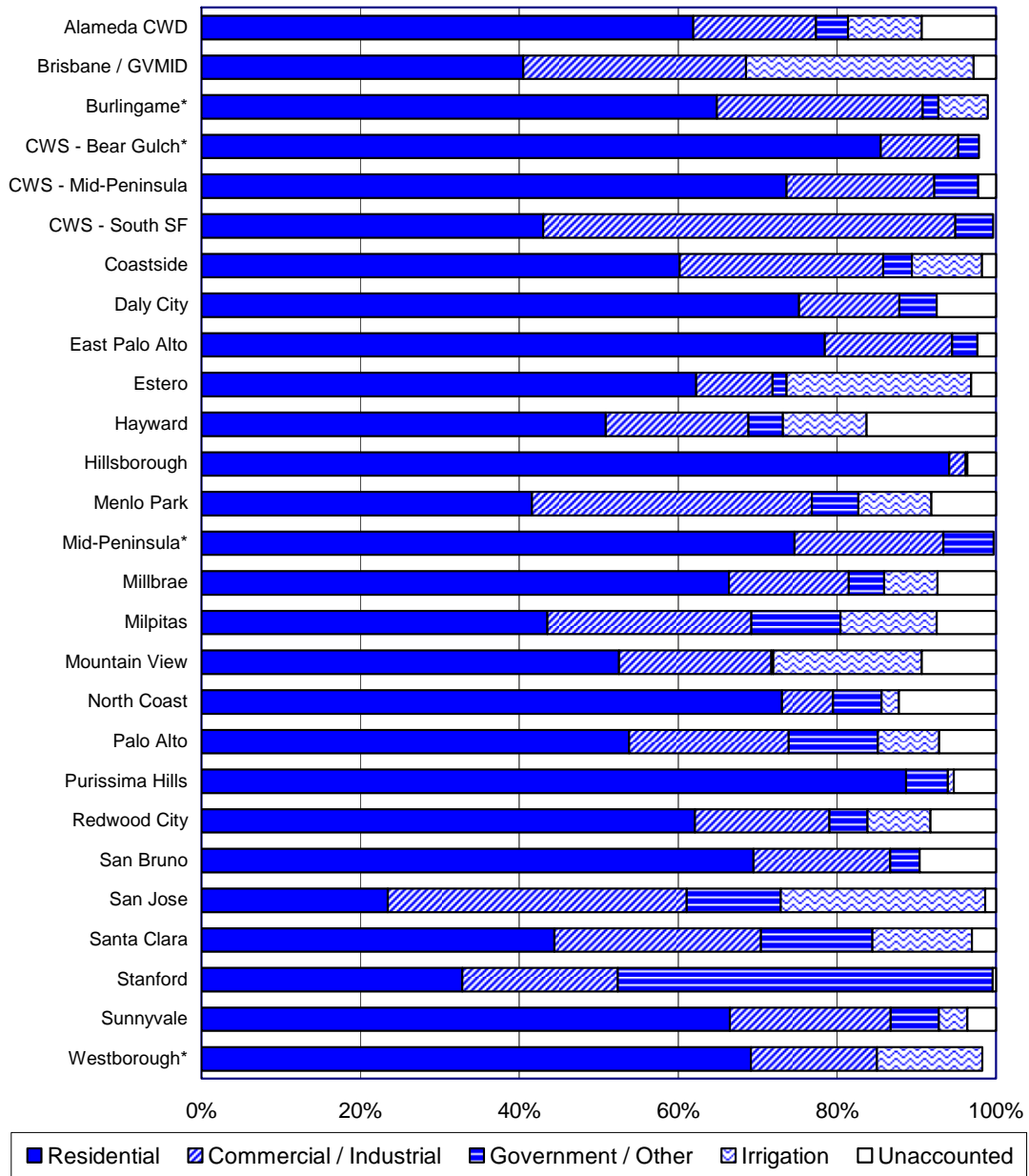
#### 4. Current Water Use by Class of Customer







### Water Use by Sector for BAWSCA Agencies - FY 2009-10



\* Negative unaccounted for amounts not displayed.

Figure 4B



## Water Consumption by Class of Customer - FY 2009-10 (in ccf)

| Member                    | Residential       |                   |                   | Non-Residential   |                  |                   |                     |                   | Dedicated Irrigation | Unaccounted      | Total Consumption  |               |
|---------------------------|-------------------|-------------------|-------------------|-------------------|------------------|-------------------|---------------------|-------------------|----------------------|------------------|--------------------|---------------|
|                           | Single Family     | Multiple Family   | Subtotal          | Commercial        | Industrial       | Comm/Ind Subtotal | Gov't, Recyc, Other | Subtotal          |                      |                  | mgd                |               |
| <b>San Mateo County</b>   |                   |                   |                   |                   |                  |                   |                     |                   |                      |                  |                    |               |
| Brisbane / GVMID          | 87,720            | 24,317            | 112,037           | 77,529            | 0                | 77,529            | 0                   | 77,529            | 79,279               | 7,756            | 276,601            | 0.57          |
| Burlingame                | 901,203           | 372,058           | 1,273,261         | 218,449           | 289,839          | 508,288           | 39,037              | 547,325           | 121,123              | -20,894          | 1,920,815          | 3.94          |
| CWS - Bear Gulch          | 5,040,959         | 106,398           | 5,147,357         | 583,190           | 2,550            | 585,740           | 157,927             | 743,667           | 0                    | -128,286         | 5,762,738          | 11.81         |
| CWS - Mid-Peninsula       | 4,227,834         | 973,851           | 5,201,685         | 1,282,487         | 27,278           | 1,309,765         | 390,390             | 1,700,155         | 0                    | 160,209          | 7,062,049          | 14.47         |
| CWS - South SF            | 1,426,539         | 172,865           | 1,599,404         | 1,607,686         | 320,363          | 1,928,049         | 175,971             | 2,104,020         | 0                    | -14,353          | 3,689,071          | 7.56          |
| Coastside                 | 553,663           | 39,858            | 593,521           | 125,226           | 127,798          | 253,024           | 35,646              | 288,670           | 86,691               | 17,602           | 986,484            | 2.02          |
| Daly City                 | 1,713,027         | 747,605           | 2,460,632         | 412,073           | 0                | 412,073           | 154,113             | 566,186           | 0                    | 244,060          | 3,270,878          | 6.70          |
| East Palo Alto*           | 661,042           | 0                 | 661,042           | 0                 | 135,337          | 135,337           | 26,523              | 161,860           | 0                    | 19,981           | 842,883            | 1.73          |
| Estero                    | 667,576           | 822,499           | 1,490,075         | 192,259           | 37,699           | 229,958           | 41,563              | 271,521           | 556,285              | 74,958           | 2,392,839          | 4.90          |
| Hillsborough              | 1,383,823         | 0                 | 1,383,823         | 30,661            | 0                | 30,661            | 2,820               | 33,481            | 0                    | 53,105           | 1,470,409          | 3.01          |
| Menlo Park                | 543,758           | 104,032           | 647,790           | 229,159           | 319,117          | 548,276           | 90,844              | 639,120           | 142,781              | 127,110          | 1,556,801          | 3.19          |
| Mid-Peninsula             | 825,109           | 219,513           | 1,044,622         | 228,189           | 33,765           | 261,954           | 88,623              | 350,577           | 0                    | -4,368           | 1,390,831          | 2.85          |
| Millbrae                  | 563,919           | 167,144           | 731,063           | 166,457           | 0                | 166,457           | 48,922              | 215,379           | 74,097               | 81,012           | 1,101,551          | 2.26          |
| North Coast               | 927,434           | 148,252           | 1,075,686         | 93,985            | 0                | 93,985            | 90,391              | 184,376           | 31,804               | 179,972          | 1,471,838          | 3.02          |
| Redwood City              | 2,165,738         | 872,044           | 3,037,782         | 827,175           | 83               | 827,258           | 233,756             | 1,061,014         | 388,035              | 404,293          | 4,891,124          | 10.02         |
| San Bruno*                | 1,236,845         | 0                 | 1,236,845         | 306,564           | 0                | 306,564           | 66,388              | 372,952           | 0                    | 170,907          | 1,780,704          | 3.65          |
| Westborough*              | 282,907           | 0                 | 282,907           | 64,799            | 0                | 64,799            | 0                   | 64,799            | 54,211               | -7,039           | 394,878            | 0.81          |
| <b>Subtotal</b>           | <b>23,209,096</b> | <b>4,770,436</b>  | <b>27,979,532</b> | <b>6,445,888</b>  | <b>1,293,829</b> | <b>7,739,717</b>  | <b>1,642,914</b>    | <b>9,382,631</b>  | <b>1,534,306</b>     | <b>1,366,025</b> | <b>40,262,494</b>  | <b>82.51</b>  |
| <b>mgd equiv</b>          | <b>47.56</b>      | <b>9.78</b>       | <b>57.34</b>      | <b>13.21</b>      | <b>2.65</b>      | <b>15.86</b>      | <b>3.37</b>         | <b>19.23</b>      | <b>3.14</b>          | <b>2.80</b>      | <b>82.51</b>       |               |
| <b>Santa Clara County</b> |                   |                   |                   |                   |                  |                   |                     |                   |                      |                  |                    |               |
| Milpitas                  | 1,523,984         | 600,618           | 2,124,602         | 632,545           | 619,454          | 1,251,999         | 546,856             | 1,798,855         | 590,328              | 365,073          | 4,878,858          | 10.00         |
| Mountain View             | 1,256,112         | 1,414,463         | 2,670,575         | 765,163           | 207,304          | 972,467           | 13,674              | 986,141           | 950,104              | 473,914          | 5,080,734          | 10.41         |
| Palo Alto                 | 2,340,384         | 733,903           | 3,074,287         | 842,300           | 307,237          | 1,149,537         | 641,834             | 1,791,371         | 440,629              | 409,061          | 5,715,348          | 11.71         |
| Purissima Hills           | 757,974           | 0                 | 757,974           | 0                 | 0                | 0                 | 45,155              | 45,155            | 6,163                | 45,562           | 854,854            | 1.75          |
| San Jose                  | 117,485           | 395,397           | 512,882           | 113,089           | 709,699          | 822,788           | 259,611             | 1,082,399         | 562,564              | 30,073           | 2,187,918          | 4.48          |
| Santa Clara               | 2,451,564         | 2,054,265         | 4,505,829         | 1,555,470         | 1,079,307        | 2,634,777         | 1,421,161           | 4,055,938         | 1,271,243            | 306,319          | 10,139,329         | 20.78         |
| Stanford                  | 182,357           | 325,111           | 507,468           | 50,837            | 251,859          | 302,696           | 728,732             | 1,031,428         | 0                    | 6,515            | 1,545,411          | 3.17          |
| Sunnyvale                 | 3,178,317         | 2,419,406         | 5,597,723         | 0                 | 1,704,022        | 1,704,022         | 508,202             | 2,212,224         | 1,241,257            | 303,732          | 9,354,936          | 19.17         |
| <b>Subtotal</b>           | <b>11,808,177</b> | <b>7,943,163</b>  | <b>19,751,340</b> | <b>3,959,404</b>  | <b>4,878,882</b> | <b>8,838,286</b>  | <b>4,165,225</b>    | <b>13,003,511</b> | <b>5,062,288</b>     | <b>1,940,248</b> | <b>39,757,387</b>  | <b>81.48</b>  |
| <b>mgd equiv</b>          | <b>24.20</b>      | <b>16.28</b>      | <b>40.48</b>      | <b>8.11</b>       | <b>10.00</b>     | <b>18.11</b>      | <b>8.54</b>         | <b>26.65</b>      | <b>10.37</b>         | <b>3.98</b>      | <b>81.48</b>       |               |
| <b>Alameda County</b>     |                   |                   |                   |                   |                  |                   |                     |                   |                      |                  |                    |               |
| Alameda CWD               | 9,366,131         | 3,321,461         | 12,687,592        | 2,062,494         | 1,101,027        | 3,163,521         | 821,218             | 3,984,739         | 2,082,462            | 1,910,697        | 20,665,490         | 42.35         |
| Hayward                   | 2,814,851         | 1,515,685         | 4,330,536         | 578,924           | 948,525          | 1,527,449         | 368,322             | 1,895,771         | 897,153              | 1,387,606        | 8,511,066          | 17.44         |
| <b>Subtotal</b>           | <b>12,180,982</b> | <b>4,837,146</b>  | <b>17,018,128</b> | <b>2,641,418</b>  | <b>2,049,552</b> | <b>4,690,970</b>  | <b>1,189,540</b>    | <b>5,880,510</b>  | <b>2,979,615</b>     | <b>3,298,303</b> | <b>29,176,556</b>  | <b>59.79</b>  |
| <b>mgd equiv</b>          | <b>24.96</b>      | <b>9.91</b>       | <b>34.88</b>      | <b>5.41</b>       | <b>4.20</b>      | <b>9.61</b>       | <b>2.44</b>         | <b>12.05</b>      | <b>6.11</b>          | <b>6.76</b>      | <b>59.79</b>       |               |
| <b>Total</b>              | <b>47,198,255</b> | <b>17,550,745</b> | <b>64,749,000</b> | <b>13,046,710</b> | <b>8,222,263</b> | <b>21,268,973</b> | <b>6,997,679</b>    | <b>28,266,652</b> | <b>9,576,209</b>     | <b>6,604,577</b> | <b>109,196,437</b> | <b>223.78</b> |
| <b>mgd equiv</b>          | <b>96.72</b>      | <b>35.97</b>      | <b>132.69</b>     | <b>26.74</b>      | <b>16.85</b>     | <b>43.59</b>      | <b>14.34</b>        | <b>57.93</b>      | <b>19.62</b>         | <b>13.53</b>     | <b>223.78</b>      |               |

\* Single family amount includes multi-family

Source: BAWSCA FY 2009-10 Annual Survey

Table 4A



## Number of Customer Accounts - FY 2009-10

| Member                    | Residential    |                 |                | Non-Residential |              |                               | Dedicated Irrigation | Total         |              |                |
|---------------------------|----------------|-----------------|----------------|-----------------|--------------|-------------------------------|----------------------|---------------|--------------|----------------|
|                           | Single Family* | Multiple Family | Res Subtotal   | Commercial      | Ind/Comm     | Gov't, Non-Res Other Subtotal |                      |               |              |                |
| <b>San Mateo County</b>   |                |                 |                |                 |              |                               |                      |               |              |                |
| Brisbane / GVMID          | 1,425          | 120             | 1,545          | 276             | 0            | 276                           | 0                    | 276           | 89           | 1,910          |
| Burlingame                | 6,820          | 738             | 7,558          | 586             | 270          | 856                           | 504                  | 1,360         | 195          | 9,113          |
| CWS - Bear Gulch          | 16,499         | 76              | 16,575         | 1,378           | 1            | 1,379                         | 143                  | 1,522         | 0            | 18,097         |
| CWS - Mid-Peninsula       | 30,955         | 628             | 31,583         | 3,365           | 94           | 3,459                         | 359                  | 3,818         | 0            | 35,401         |
| CWS - SSF                 | 13,796         | 152             | 13,948         | 1,913           | 63           | 1,976                         | 235                  | 2,211         | 0            | 16,159         |
| Coastside                 | 6,186          | 111             | 6,297          | 418             | 36           | 454                           | 48                   | 502           | 54           | 6,853          |
| Daly City                 | 18,238         | 2,761           | 20,998         | 610             | 0            | 610                           | 212                  | 822           | 0            | 21,820         |
| East Palo Alto            | 3,923          | 0               | 3,923          | 212             | 0            | 212                           | 47                   | 259           | 0            | 4,182          |
| Esteros                   | 4,800          | 2,691           | 7,491          | 196             | 70           | 266                           | 83                   | 349           | 481          | 8,321          |
| Hillsborough              | 4,181          | 0               | 4,181          | 36              | 0            | 36                            | 45                   | 81            | 0            | 4,262          |
| Menlo Park                | 3,420          | 131             | 3,551          | 180             | 225          | 405                           | 42                   | 447           | 106          | 4,104          |
| Mid-Peninsula             | 7,097          | 239             | 7,336          | 477             | 79           | 556                           | 81                   | 637           | 0            | 7,973          |
| Millbrae                  | 5,711          | 262             | 5,973          | 298             | 0            | 298                           | 153                  | 451           | 78           | 6,502          |
| North Coast               | 11,278         | 125             | 11,403         | 312             | 0            | 312                           | 631                  | 943           | 66           | 12,412         |
| Redwood City              | 18,643         | 1,808           | 20,451         | 2,068           | 2            | 2,070                         | 94                   | 2,164         | 551          | 23,166         |
| San Bruno                 | 10,367         | 889             | 11,256         | 531             | 0            | 531                           | 355                  | 886           | 0            | 12,142         |
| Westborough               | 3,696          | 0               | 3,696          | 88              | 0            | 88                            | 0                    | 88            | 94           | 3,878          |
| <b>Subtotal</b>           | <b>167,035</b> | <b>10,731</b>   | <b>177,765</b> | <b>12,944</b>   | <b>840</b>   | <b>13,784</b>                 | <b>3,032</b>         | <b>16,816</b> | <b>1,714</b> | <b>196,295</b> |
| <b>Santa Clara County</b> |                |                 |                |                 |              |                               |                      |               |              |                |
| Milpitas                  | 12,270         | 1,845           | 14,115         | 619             | 353          | 972                           | 820                  | 1,792         | 607          | 16,514         |
| Mountain View             | 11,786         | 2,472           | 14,258         | 1,482           | 622          | 2,104                         | 51                   | 2,155         | 976          | 17,389         |
| Palo Alto                 | 15,320         | 2,112           | 17,432         | 1,316           | 151          | 1,467                         | 911                  | 2,378         | 331          | 20,141         |
| Purissima Hills           | 2,059          | 0               | 2,059          | 0               | 0            | 0                             | 50                   | 50            | 19           | 2,128          |
| San Jose                  | 1,136          | 173             | 1,309          | 100             | 262          | 362                           | 29                   | 391           | 294          | 1,994          |
| Santa Clara               | 17,000         | 4,800           | 21,800         | 2,500           | 425          | 2,925                         | 495                  | 3,420         | 580          | 25,800         |
| Stanford                  |                |                 |                | Not Applicable  |              |                               |                      |               |              |                |
| Sunnyvale                 | 20,154         | 1,474           | 21,628         | 3,295           | 0            | 3,295                         | 78                   | 3,373         | 475          | 25,476         |
| <b>Subtotal</b>           | <b>79,725</b>  | <b>12,876</b>   | <b>92,601</b>  | <b>9,312</b>    | <b>1,813</b> | <b>11,125</b>                 | <b>2,434</b>         | <b>13,559</b> | <b>3,282</b> | <b>109,442</b> |
| <b>Alameda County</b>     |                |                 |                |                 |              |                               |                      |               |              |                |
| Alameda CWD               | 71,394         | 2,063           | 73,457         | 2,729           | 851          | 3,580                         | 2,913                | 6,493         | 2,105        | 82,055         |
| Hayward                   | 27,072         | 1,216           | 28,288         | 1,553           | 1,159        | 2,712                         | 295                  | 3,007         | 1,276        | 32,571         |
| <b>Subtotal</b>           | <b>98,466</b>  | <b>3,279</b>    | <b>101,745</b> | <b>4,282</b>    | <b>2,010</b> | <b>6,292</b>                  | <b>3,208</b>         | <b>9,500</b>  | <b>3,381</b> | <b>114,626</b> |
| <b>Total</b>              | <b>345,226</b> | <b>26,886</b>   | <b>372,111</b> | <b>26,538</b>   | <b>4,663</b> | <b>31,201</b>                 | <b>8,674</b>         | <b>39,875</b> | <b>8,377</b> | <b>420,363</b> |

\*Individually metered homes, townhouses, and condos

Source: BAWSCA FY 2009-10 Annual Survey

Table 4B



## 5. Climatological Data



## Climatological Data

### Rainfall

|   | Precipitation (Inches) |          |        |            |
|---|------------------------|----------|--------|------------|
|   | Redwood City*          | San Jose | Newark | SF Airport |
| <b>Historical Avg (1948-2005)</b>               |                        |          |        |            |
|   | 19.9                   | 14.7     | 14.6   | 20.3       |
| <b>Recent Past</b>                              |                        |          |        |            |
| FY 2006-07                                      | 7.6                    | 9.5      | 8.5    | 11.6       |
| FY 2007-08                                      | 11.4                   | 11.4     | 10.6   | 15.5       |
| FY 2008-09                                      | 12.7                   | 11.5     | 10.7   | 14.6       |
| FY 2009-10                                      | 21.5                   | 17.2     | 15.8   | 21.4       |
| <b>FY 2009-10 Deviation from Historical Avg</b> |                        |          |        |            |
|   | 1.6                    | 2.5      | 1.2    | 1.1        |

### Temperature

|   | Average Maximum Temperature (Degrees F) |          |        |            |
|---|---|----------|--------|------------|
|   | Redwood City*                           | San Jose | Newark | SF Airport |
| <b>Historical Avg (1948-2005)</b>               |   |          |        |            |
| Annual  | 71.2                                    | 71.0     | 68.2   | 65.3       |
| Summer**  | 81.9                                    | 81.5     | 77.0   | 72.3       |
| <b>Recent Past</b>                              |   |          |        |            |
| 2006-07 Annual                                  | 71.3                                    | 70.1     | 68.6   | 65.2       |
| Summer**  | 81.7                                    | 80.7     | 78.1   | 72.3       |
| 2007-08 Annual                                  | 71.9                                    | 70.2     | 68.0   | 64.8       |
| Summer**  | 80.3                                    | 78.7     | 76.5   | 71.8       |
| 2008-09 Annual                                  | 70.3                                    | 71.7     | 68.7   | 65.6       |
| Summer**  | 81.3                                    | 81.8     | 77.4   | 72.3       |
| 2009-10 Annual                                  | 65.8                                    | 69.7     | 67.9   | 65.2       |
| Summer**  | 81.1                                    | 81.7     | 77.9   | 73.4       |
| <b>FY 2009-10 Deviation From Historical Avg</b> |   |          |        |            |
| Annual  | -5.4                                    | -1.3     | -0.3   | -0.1       |
| Summer**  | -0.8                                    | 0.2      | 0.9    | 1.1        |

\*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

**Table 5**



## 6. Service Area Populations



## BAWSCA Service Area Populations

|                           | FY 1998-99       | FY 1999-00       | FY 2000-01       | FY 2001-02       | FY 2002-03       | FY 2003-04       | FY 2004-05       | FY 2005-06       | FY 2006-07       | FY 2007-08       | FY 2008-09          | FY 2009-10       |
|---------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|---------------------|------------------|
| <b>San Mateo County</b>   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                     |                  |
| Brisbane                  | 2,978            | 3,154            | 3,165            | 3,174            | 3,159            | 3,159            | 3,159            | 3,159            | 3,159            | 3,159            | 3,159               | 3,993            |
| Burlingame                | 29,300           | 30,000           | 30,000           | 30,000           | 28,000           | 28,000           | 28,000           | 28,000           | 28,100           | 28,100           | 28,867              | 30,493           |
| CWS - Bear Gulch          | 65,720           | 65,830           | 65,960           | 66,220           | 62,436           | 62,545           | 55,340           | 55,820           | 55,501           | 55,501           | 57,078              | 55,810           |
| CWS - Mid-Peninsula       | 120,220          | 120,820          | 122,070          | 122,150          | 122,140          | 122,675          | 123,190          | 123,890          | 124,279          | 124,279          | 123,260             | 120,350          |
| CWS - South SF            | 53,140           | 54,060           | 54,260           | 54,350           | 54,348           | 55,223           | 56,739           | 56,900           | 57,370           | 57,370           | 56,210              | 56,010           |
| Coastside                 | 15,700           | 17,990           | 18,100           | 18,200           | 16,850           | 17,000           | 17,200           | 17,372           | 17,923           | 18,887           | 19,221              | 20,216           |
| Cordilleras               | 40               | 40               | 40               | 40               |                  |                  |                  |                  |                  |                  |                     |                  |
| Daly City                 | 105,000          | 104,571          | 103,916          | 104,407          | 104,300          | 104,450          | 104,450          | 104,661          | 106,160          | 106,361          | 107,099             | 107,773          |
| East Palo Alto            | 25,000           | 27,300           | 28,000           | 28,500           | 31,200           | 31,500           | 31,500           | 25,696           | 29,690           | 29,690           | 29,690              | 29,690           |
| Estero                    | 34,014           | 34,252           | 34,385           | 34,385           | 34,285           | 34,385           | 34,385           | 34,385           | 34,385           | 36,000           | 36,100              | 36,100           |
| Guadalupe Valley          | 176              | 443              | 685              | 685              | 438              | 438              | 438              | 438              | 438              | 438              | 438                 | w/ Brisbane      |
| Hillsborough              | 11,700           | 11,760           | 10,825           | 10,973           | 10,820           | 10,825           | 10,850           | 10,965           | 10,965           | 10,825           | 10,844              | 11,982           |
| Los Trancos               | 1,200            | 1,230            | 1,250            | 1,260            | 1002             | 1009             |                  |                  |                  |                  |                     |                  |
| Menlo Park                | 10,200           | 10,200           | 10,300           | 10,300           | 10,068           | 10,125           | 10,125           | 10,213           | 10,261           | 10,308           | 14,139              | 14,139           |
| Mid-Peninsula             | 25,500           | 25,500           | 26,050           | 26,050           | 25,000           | 26,050           | 26,050           | 26,050           | 26,050           | 26,050           | 26,050              | 26,130           |
| Millbrae                  | 21,759           | 21,394           | 21,394           | 21,718           | 20,718           | 20,718           | 20,718           | 20,718           | 20,718           | 21,387           | 21,387              | 21,387           |
| North Coast               | 39,667           | 39,667           | 40,500           | 40,500           | 41,028           | 41,028           | 40,000           | 40,000           | 40,000           | 40,000           | 40,000              | 40,401           |
| Redwood City              | 82,400           | 83,000           | 83,000           | 83,000           | 83,000           | 83,000           | 83,093           | 83,492           | 83,895           | 83,895           | 83,895              | 85,098           |
| San Bruno                 | 40,500           | 40,600           | 40,778           | 40,350           | 40,165           | 40,165           | 40,165           | 40,165           | 40,165           | 40,165           | 40,165              | 43,798           |
| Skyline                   | 1,628            | 1,631            | 1,649            | 1,649            | 1650             | 1,650            | 1,210            | 1,812            | 1,812            | 1,658            | w/ CWS - Bear Gulch |                  |
| Westborough               | 9,990            | 9,990            | 9,990            | 9,990            | 12,000           | 12,000           | 12,000           | 12,000           | 12,000           | 12,000           | 12,000              | 12,690           |
| <b>Subtotal</b>           | <b>695,832</b>   | <b>703,432</b>   | <b>706,317</b>   | <b>707,901</b>   | <b>702,607</b>   | <b>705,945</b>   | <b>698,612</b>   | <b>695,736</b>   | <b>702,871</b>   | <b>706,073</b>   | <b>709,602</b>      | <b>716,060</b>   |
| <b>Santa Clara County</b> |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                     |                  |
| Milpitas                  | 64,325           | 65,000           | 66,000           | 67,800           | 62,700           | 64,000           | 64,998           | 64,998           | 64,998           | 69,419           | 70,817              | 70,817           |
| Mountain View             | 75,201           | 76,025           | 70,700           | 72,000           | 71,803           | 71,841           | 71,820           | 72,033           | 73,262           | 73,932           | 74,762              | 75,787           |
| Palo Alto                 | 58,100           | 58,400           | 59,350           | 60,350           | 60,465           | 60,246           | 59,900           | 62,148           | 62,148           | 63,467           | 63,400              | 65,408           |
| Purissima Hills           | 5,800            | 5,800            | 5,800            | 6,075            | 6,000            | 6,000            | 6,000            | 6,000            | 6,050            | 6,050            | 6,050               | 6,060            |
| San Jose                  | 7,000            | 7,000            | 7,000            | 11,742           | 11,800           | 12,000           | 13,623           | 12,400           | 13,600           | 14,800           | 16,900              | 14,645           |
| Santa Clara               | 101,900          | 102,500          | 103,281          | 104,600          | 106,863          | 108,119          | 103,200          | 110,771          | 114,238          | 114,238          | 117,200             | 118,830          |
| Stanford                  | 24,600           | 24,700           | 24,700           | 24,700           | 24,700           | 24,700           | 24,700           | 27,715           | 27,715           | 29,026           | 27,397              | 27,491           |
| Sunnyvale                 | 131,200          | 131,200          | 131,760          | 132,000          | 131,000          | 131,127          | 133,086          | 133,544          | 133,721          | 133,721          | 137,538             | 138,826          |
| <b>Subtotal</b>           | <b>468,126</b>   | <b>470,625</b>   | <b>468,591</b>   | <b>479,267</b>   | <b>475,331</b>   | <b>478,033</b>   | <b>477,327</b>   | <b>489,609</b>   | <b>495,732</b>   | <b>504,653</b>   | <b>514,064</b>      | <b>517,864</b>   |
| <b>Alameda County</b>     |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                     |                  |
| Alameda CWD               | 311,750          | 318,250          | 319,400          | 322,450          | 323,200          | 323,200          | 324,838          | 324,800          | 327,652          | 330,786          | 331,293             | 332,000          |
| Hayward                   | 127,000          | 128,000          | 140,000          | 144,000          | 144,200          | 144,500          | 146,027          | 146,398          | 147,845          | 149,205          | 150,878             | 153,104          |
| <b>Subtotal</b>           | <b>438,750</b>   | <b>446,250</b>   | <b>459,400</b>   | <b>466,450</b>   | <b>467,400</b>   | <b>467,700</b>   | <b>470,865</b>   | <b>471,198</b>   | <b>475,497</b>   | <b>479,991</b>   | <b>482,171</b>      | <b>485,104</b>   |
| <b>Total</b>              | <b>1,602,708</b> | <b>1,620,307</b> | <b>1,634,308</b> | <b>1,653,618</b> | <b>1,645,338</b> | <b>1,651,678</b> | <b>1,646,804</b> | <b>1,656,543</b> | <b>1,674,100</b> | <b>1,690,717</b> | <b>1,705,837</b>    | <b>1,719,028</b> |

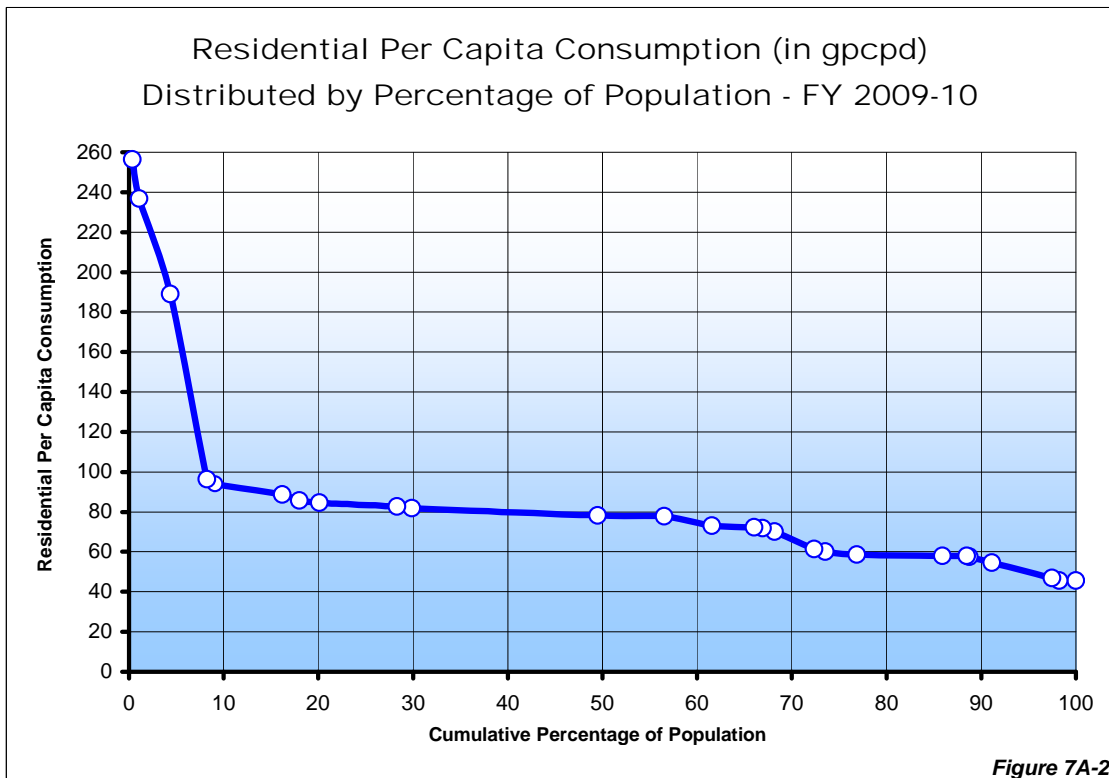
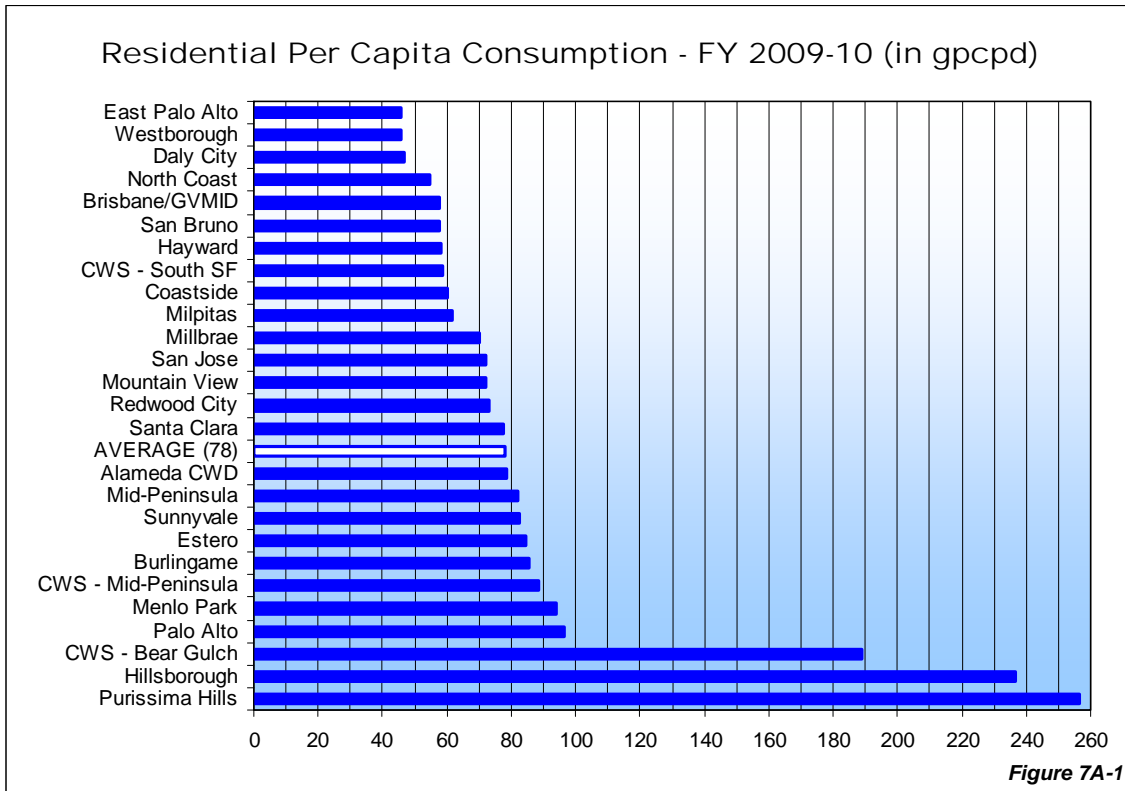
Source: BAWSCA Annual Surveys

Table 6

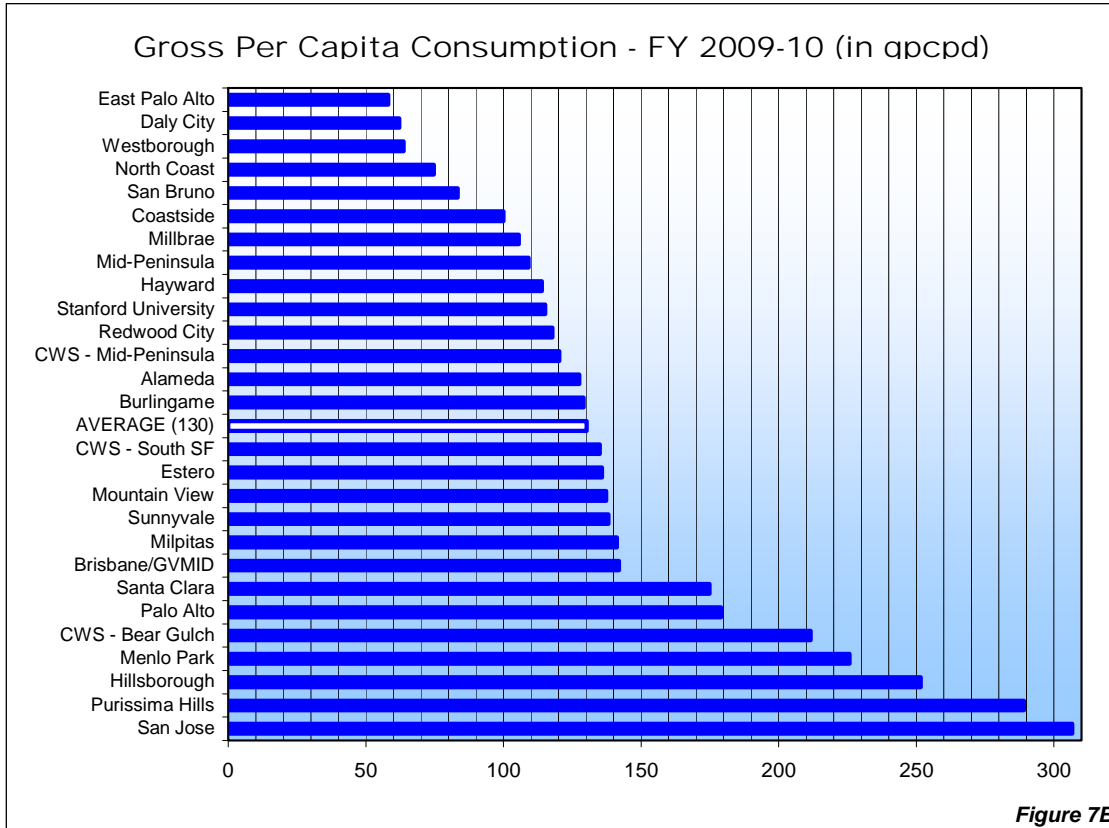


## 7. Current Water Use Per Capita











## Residential Per Capita Consumption and Single-Family Average Monthly Use Among BAWSCA Members - FY 2009-10

| <b>Member</b>        | <b>Service Area<br/>Population</b> | <b>Residential<br/>Consumption*<br/>(ccf)</b> | <b>*Residential<br/>Per Capita<br/>Consumption<br/>(gpcpd)</b> | <b>**Single-Family<br/>Average<br/>Monthly Use<br/>(ccf)</b> |
|----------------------|------------------------------------|---|--|--|
| East Palo Alto       | 29,690                             | 661,042                                       | 45.6   | ***n/a   |
| Westborough          | 12,690                             | 282,907                                       | 45.7   | ***n/a   |
| Daly City            | 107,773                            | 2,460,632                                     | 46.8   | 7.8  |
| North Coast          | 40,401                             | 1,075,686                                     | 54.6   | 6.9  |
| Brisbane/GVMID       | 3,993                              | 112,037                                       | 57.5   | 5.1  |
| San Bruno            | 43,798                             | 1,236,845                                     | 57.9   | ***n/a   |
| Hayward              | 153,104                            | 4,330,536                                     | 58.0   | 8.7  |
| CWS - South SF       | 56,010                             | 1,599,404                                     | 58.5   | 8.6  |
| Coastside            | 20,216                             | 593,521                                       | 60.2   | 7.5  |
| Milpitas             | 70,817                             | 2,124,602                                     | 61.5   | 10.4   |
| Millbrae             | 21,387                             | 731,063                                       | 70.1   | 8.2  |
| San Jose             | 14,625                             | 512,882                                       | 71.9   | 8.6  |
| Mountain View        | 75,787                             | 2,670,575                                     | 72.2   | 8.9  |
| Redwood City         | 85,098                             | 3,037,782                                     | 73.2   | 9.7  |
| Santa Clara          | 118,830                            | 4,505,829                                     | 77.7   | 12.0   |
| Alameda CWD          | 332,000                            | 12,687,592                                    | 78.3   | 10.9   |
| Mid-Peninsula        | 26,130                             | 1,044,622                                     | 81.9   | 9.7  |
| Sunnyvale            | 138,826                            | 5,597,723                                     | 82.6   | 13.1   |
| Estero               | 36,100                             | 1,490,075                                     | 84.6   | 11.6   |
| Burlingame           | 30,493                             | 1,273,261                                     | 85.6   | 11.0   |
| CWS - Mid-Peninsula  | 120,350                            | 5,201,685                                     | 88.6   | 11.4   |
| Menlo Park           | 14,139                             | 647,790                                       | 93.9   | 13.2   |
| Palo Alto            | 65,408                             | 3,074,287                                     | 96.3   | 12.7   |
| CWS - Bear Gulch     | 55,810                             | 5,147,357                                     | 189.0  | 25.5   |
| Hillsborough         | 11,982                             | 1,383,823                                     | 236.7  | 27.6   |
| Purissima Hills      | 6,060                              | 757,974                                       | 256.3  | 30.7   |
| <b>Agency Totals</b> | <b>1,691,517</b>                   | <b>64,241,532</b>                             |  |  |
|                      |                                    |   |  | <b>Average Single Family Monthly Use</b>                     |
|                      |                                    |   |  | <b>11.5</b>  |
|                      |                                    |   | <b>Average Residential Per Capita Consumption</b>              |  |
|                      |                                    |   | <b>77.8</b>  |  |

\*Includes multi-family and single family accounts.

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

\*\*\*East Palo Alto, San Bruno, and Westborough report multi-family with single family use.

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

**Source:** BAWSCA FY 2009-10 Annual Survey

**Table 7A**

Gross Per Capita Consumption  
Among BAWSCA Members - FY 2009-10

California Water Service is separated into its three service areas.

| Member                    | Service Area<br>Population | *Total<br>Consumption<br>(ccf) | Gross<br>Per Capita<br>Consumption<br>(gpcpd) |
|---------------------------|----------------------------|--------------------------------|---|
| East Palo Alto            | 29,690                     | 842,883                        | 58.2  |
| Daly City                 | 107,773                    | 3,270,878                      | 62.2  |
| Westborough               | 12,690                     | 394,878                        | 63.8  |
| North Coast               | 40,401                     | 1,471,838                      | 74.7  |
| San Bruno                 | 43,798                     | 1,780,704                      | 83.3  |
| Coastside                 | 20,216                     | 986,484                        | 100.0   |
| Millbrae                  | 21,387                     | 1,101,551                      | 105.6   |
| Mid-Peninsula             | 26,130                     | 1,390,831                      | 109.1   |
| Hayward                   | 153,104                    | 8,511,066                      | 113.9   |
| Stanford University       | 27,491                     | 1,545,411                      | 115.2   |
| Redwood City              | 85,098                     | 4,891,124                      | 117.8   |
| CWS - Mid-Peninsula       | 120,350                    | 7,062,049                      | 120.3   |
| Alameda                   | 332,000                    | 20,665,490                     | 127.6   |
| Burlingame                | 30,493                     | 1,920,815                      | 129.1   |
| CWS - South SF            | 56,010                     | 3,689,071                      | 135.0   |
| Estero                    | 36,100                     | 2,392,839                      | 135.8   |
| Mountain View             | 75,787                     | 5,080,734                      | 137.4   |
| Sunnyvale                 | 138,826                    | 9,354,936                      | 138.1   |
| Milpitas                  | 70,817                     | 4,878,858                      | 141.2   |
| Brisbane/GVMID            | 3,993                      | 276,601                        | 142.0   |
| Santa Clara               | 118,830                    | 10,139,329                     | 174.9   |
| Palo Alto                 | 65,408                     | 5,715,348                      | 179.1   |
| CWS - Bear Gulch          | 55,810                     | 5,762,738                      | 211.6   |
| Menlo Park                | 14,139                     | 1,556,801                      | 225.6   |
| Hillsborough              | 11,982                     | 1,470,409                      | 251.5   |
| Purissima Hills           | 6,060                      | 854,854                        | 289.1   |
| San Jose**                | 14,645                     | 2,187,918                      | 306.2   |
| <b>Totals</b>             | <b>1,719,028</b>           | <b>109,196,437</b>             |   |
| <b>Average gpcpd</b>      |                            |                                | <b>130.2</b>                                  |
| <b>Median of Agencies</b> |                            |                                | <b>129.1</b>                                  |

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

\*\*Service area predominantly commercial/industrial.

**Source:** BAWSCA FY 2009-10 Annual Survey

**Table 7B**

## Historical BAWUA/BAWSCA Per Capita Data

### 1975-76 to Present

| Year    | Service Area<br>Population* | Water<br>Usage**<br>(mgd) | Gross Per<br>Capita<br>(gpcd) | Residential<br>Per Capita<br>(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                                |

\*All BAWUA/BAWSCA agencies reporting, including Stanford and Guadalupe Valley.

\*\*Total water used less recycled; includes unaccounted for 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.

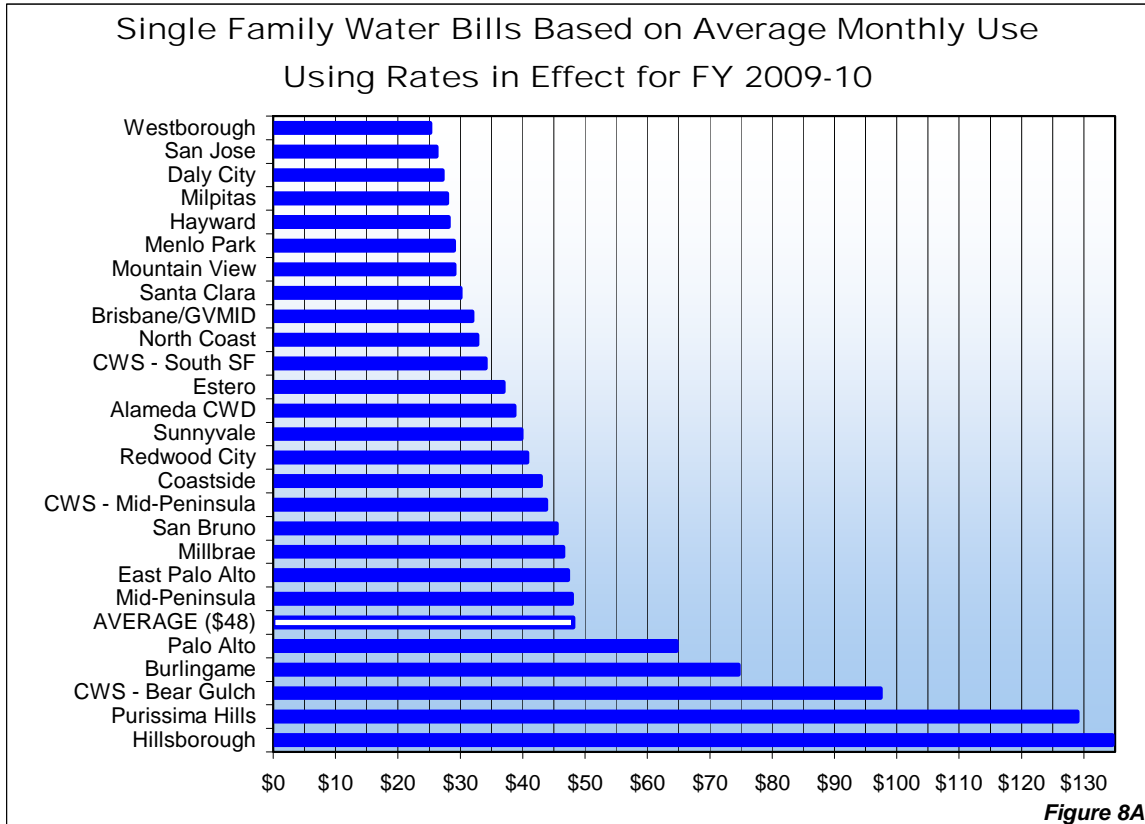
**Source:** BAWUA/BAWSCA Annual Surveys / Historical Data Files

**Table 7C**



## 8. Current Residential Water Bills







Single Family Water Bills\* Based on Average Monthly Use for FY 09-10, Using Rates in Effect for FY 2009-10

**Inclusive of all BAWSCA agencies except Stanford; California Water Service is separated into its three service areas.**

| <b>Member</b>             | <b>Municipalities<br/>Average<br/>Monthly Use<br/>(ccf)</b> | <b>Special<br/>Districts<br/>Average<br/>Monthly Use<br/>(ccf)</b> | <b>All<br/>Districts<br/>Average<br/>Monthly<br/>Bill</b> |
|---------------------------|---|--|---|
| Westborough               |   | 6.4  | \$25.17   |
| San Jose                  | 8.6   |  | \$26.16   |
| Daly City                 | 7.8   |  | \$27.11   |
| Milpitas                  | 10.4  |  | \$27.84   |
| Hayward                   | 8.7   |  | \$28.13   |
| Menlo Park                | 13.2  |  | \$29.00   |
| Mountain View             | 8.9   |  | \$29.03   |
| Santa Clara               | 12.0  |  | \$30.00   |
| Brisbane/GVMID            | 5.1   |  | \$31.93   |
| North Coast               |   | 6.9  | \$32.71   |
| CWS - South San Francisco |   | 8.6  | \$34.06   |
| Estero                    |   | 11.6   | \$36.92   |
| Alameda CWD               |   | 10.9   | \$38.69   |
| Sunnyvale                 | 13.1  |  | \$39.83   |
| Redwood City              | 9.7   |  | \$40.69   |
| Coastside                 |   | 7.5  | \$42.91   |
| CWS - Mid-Peninsula       |   | 11.4   | \$43.72   |
| San Bruno                 | 9.9   |  | \$45.39   |
| Millbrae                  | 8.2   |  | \$46.49   |
| East Palo Alto            |   | 14.0   | \$47.23   |
| Mid-Peninsula             |   | 9.7  | \$47.91   |
| Palo Alto                 | 12.7  |  | \$64.70   |
| Burlingame                | 11.0  |  | \$74.59   |
| CWS - Bear Gulch          |   | 25.5   | \$97.39   |
| Purissima Hills           |   | 30.7   | \$128.92  |
| Hillsborough              | 27.6  |  | \$134.60  |
| <b>Total Averages</b>     | <b>11.1</b>   | <b>13.0</b>  | <b>\$48.12</b>  |

\* Inclusive of any service charge.

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

**Source:** BAWSCA FY 2009-10 Annual Survey

**Table 8A**



Single Family Water Bills and Residential Rate Structure Based  
on Average Monthly Use\* Using Rates in Effect for FY 2009-10;  
Inclusive of Service Charge

| Member/<br>Average Monthly Use (Units)        | Billing<br>Cycle      | Service<br>Charge | Rate<br>per ccf  | Rate<br>Blocks<br>(ccf)   | Total<br>Monthly<br>Bill | Remarks   |
|---|-----------------------|-------------------|--|---|--------------------------|---|
| <b>Alameda CWD</b><br>10.9                    | Bimonthly             | \$12.55           | \$2.97   | None  | \$38.69                  | Effective: 2009-10  |
| <b>Brisbane/Guadalupe Valley MID**</b><br>5.1 | Bimonthly             | \$20.18           | \$0.00<br>\$1.53<br>\$3.97<br>\$4.94<br>\$6.13<br>\$7.79   | 0 - 1<br>2<br>3<br>4 - 8<br>9 - 16<br>16 +  | \$31.93                  | Effective: 1/1/10 Billing<br>(svc prd 10/15-12/15/08)   |
| <b>Burlingame</b><br>11.0                     | Bimonthly             | \$57.96           | \$4.72<br>\$6.31 per 1000 gallons  | None  | \$74.59                  | Effective: 7/1/09<br>First 2000 gallons per<br>billing period included in<br>bimonthly service charge |
| <b>CWS - Bear Gulch</b><br>25.5               | Monthly<br>5/8" meter | \$12.45           | \$3.21<br>\$3.41<br>\$4.08   | 0 - 10<br>11 - 37<br>38 +   | \$97.39                  | Effective: 2009-10<br>Schedule BG-1-R   |
| <b>CWS - Mid Peninsula</b><br>11.4            | Monthly<br>5/8" meter | \$8.75            | \$3.03<br>\$3.19<br>\$3.83   | 0 - 9<br>10 - 22<br>23 +  | \$43.72                  | Effective: 2009-10<br>Schedule MID-1-R  |
| <b>CWS - South San Francisco</b><br>8.6       | Monthly<br>5/8" meter | \$10.77           | \$2.50<br>\$3.00   | 0 - 5<br>6 +  | \$34.06                  | Effective:2009-10<br>Schedule SS-1-R  |
| <b>Coastside CWD</b><br>7.5                   | Bimonthly             | \$24.06           | \$3.93<br>\$4.33<br>\$5.63<br>\$6.96   | 0 - 8<br>9 - 25<br>26 - 40<br>40 +  | \$42.91                  | Effective:2009-10   |
| <b>Daly City</b><br>7.8                       | Bimonthly             | \$19.07           | \$0.00<br>\$3.60<br>\$3.68<br>\$3.77<br>\$3.84<br>\$3.94<br>\$4.02<br>\$4.11<br>\$4.19<br>\$4.29<br>\$4.38 | 0 - 6<br>7 - 10<br>11 - 14<br>15 - 20<br>21 - 50<br>51 - 70<br>71 - 100<br>101 - 200<br>201 - 500<br>501 - 1000<br>1000 + | \$27.11                  | Effective: 7/1/07<br>In effect for FY09-10  |
| <b>East Palo Alto WD</b><br>14.0              | Bimonthly             | \$18.58           | \$2.71   | None  | \$47.23                  | Effective: 2009-10<br>Monthly bill total does<br>not include 5% utility<br>tax on bimonthly bills     |
| <b>Estero MID</b><br>11.6                     | Monthly               | \$16.85           | \$1.73   | None  | \$36.92                  | Effective: 2009-10  |

\* Average single family use among BAWSCA agencies varies from 5.1 to 30.7 units per month. 1 unit = 1 ccf. Includes individually metered single family homes, townhouses, and condos.

\*\* Based on estimate of single family use.

Single Family Water Bills and Residential Rate Structure Based  
on Average Monthly Use\* Using Rates in Effect for FY 2009-10;  
Inclusive of Service Charge

| Member/<br>Average Monthly Use (Units) | Billing<br>Cycle | Service<br>Charge     | Rate<br>per ccf | Rate<br>Blocks<br>(ccf) | Total<br>Monthly<br>Bill | Remarks  |
|--|------------------|-----------------------|-----------------|-------------------------|--------------------------|--|
| <b>Hayward</b><br>8.7                  | Bimonthly        | \$9.00                | \$2.50          | 0 - 8                   | \$28.13                  | Effective: 2009-10                                     |
|  |                  |                       | \$2.90          | 9 - 25                  |                          |  |
|  |                  |                       | \$3.65          | 26 - 60                 |                          |  |
|  |                  |                       | \$4.00          | 61 +                    |                          |  |
| <b>Hillsborough</b><br>27.6            | Bimonthly        | \$40.00<br>1" meter   | \$3.67          | 0 - 20                  | \$134.60                 | Effective: 1/1/09                                      |
|  |                  |                       | \$4.33          | 20.1 - 50               |                          |  |
|  |                  |                       | \$4.98          | 50.1-100                |                          |  |
|  |                  |                       | \$5.95          | 100.1 - 200             |                          |  |
|  |                  |                       | \$7.29          | 200 +                   |                          |  |
| <b>Menlo Park</b><br>13.2              | Monthly          | \$9.14<br>5/8" meter  | \$1.25          | 0-5                     | \$29.00                  | Effective: 2009-10                                     |
|  |                  |                       | \$1.57          | 6-10                    |                          | Rate includes \$0.35 per<br>ccf capital facilities fee |
|  |                  |                       | \$1.80          | 11-25                   |                          |  |
|  |                  |                       | \$2.51          | 25 +                    |                          |  |
| <b>Mid-Peninsula WD</b><br>9.7         | Monthly          | \$7.98                | \$1.62          | 0 - 2                   | \$47.91                  | Effective: 2009-10                                     |
|  | CIP              | \$4.43                | \$4.19          | 3 - 15                  |                          |  |
|  |                  |                       | \$4.84          | 16 - 30                 |                          |  |
|  |                  |                       | \$5.27          | 31 - 50                 |                          |  |
| <b>Millbrae</b><br>8.2                 | Bimonthly        | \$23.60               | \$4.23          | None                    | \$46.49                  | Effective: 10/1/09                                     |
| <b>Milpitas</b><br>10.4                | Bimonthly        | \$20.56               | \$1.62          | 0 - 20                  | \$27.84                  | Effective: 6/4/09                                      |
|  |                  |                       | \$3.41          | 20 +                    |                          |  |
| <b>Mountain View</b><br>8.9            | Bimonthly        | \$5.30                | \$1.58          | 0 - 3                   | \$29.03                  | Effective: 2009-10                                     |
|  |                  |                       | \$3.25          | 3 - 25                  |                          |  |
|  |                  |                       | \$6.45          | 25 +                    |                          |  |
| <b>North Coast CWD</b><br>6.9          | Bimonthly        | \$24.94               | \$2.53          | 0 - 5                   | \$32.71                  | Effective: 2009-10                                     |
|  |                  |                       | \$5.62          | 6 - 16                  |                          |  |
|  |                  |                       | \$8.04          | 17 - 28                 |                          |  |
|  |                  |                       | \$14.75         | 28 +                    |                          |  |
| <b>Palo Alto</b><br>12.7               | Monthly          | \$5.00                | \$3.95          | 0 - 7                   | \$64.70                  | Effective: 7/1/09                                      |
|  |                  |                       | \$5.62          | 7 +                     |                          | Utility Rate<br>Schedule W-1                           |
| <b>Purissima Hills WD</b><br>30.7      | Monthly          | \$15.00<br>3/4" meter | \$2.70          | 0 - 10                  | \$128.92                 | Effective: 2009-10                                     |
|  |                  |                       | \$4.15          | 11 - 30                 |                          |  |
|  |                  |                       | \$5.60          | 31 - 60                 |                          |  |
|  |                  |                       | \$7.05          | 61 - 100                |                          |  |
|  |                  |                       | \$8.50          | 101 - 200               |                          |  |
|  |                  |                       | \$9.95          | 200 +                   |                          |  |

\* Average single family use among BAWSCA agencies varies from 5.1 to 30.7 units per month. 1 unit = 1 ccf. Includes individually metered single family homes, townhouses, and condos.

Single Family Water Bills and Residential Rate Structure Based  
on Average Monthly Use\* Using Rates in Effect for FY 2009-10;  
Inclusive of Service Charge

| Member/<br>Average Monthly Use (Units) | Billing<br>Cycle | Service<br>Charge           | Rate<br>per ccf | Rate<br>Blocks<br>(ccf) | Total<br>Monthly<br>Bill | Remarks                     |
|--|------------------|-----------------------------|-----------------|-------------------------|--------------------------|-----------------------------|
| <b>Redwood City</b><br>9.7             | Bimonthly        | \$33.06                     | \$2.20          | 0 - 10                  | \$40.69                  | Effective: 7/01/09          |
|  |                  |                             | \$2.80          | 11 - 25                 |                          |                             |
|  |                  |                             | \$4.57          | 26 - 50                 |                          |                             |
|  |                  |                             | \$6.45          | 51+                     |                          |                             |
| <b>San Bruno</b><br>9.9                | Bimonthly        | \$11.38<br>3/4" meter       | \$3.83          | 0 - 18                  | \$45.39                  | Effective: 2009-10          |
|  |                  |                             | \$5.81          | 18 +                    |                          |                             |
| <b>San Jose MWD-N</b><br>8.6           | Bimonthly        | \$17.34                     | \$1.98          | 0 - 14                  | \$26.16                  | Effective: 7/1/09<br>Zone 1 |
|  |                  |                             | \$2.27          | 15 - 28                 |                          |                             |
|  |                  |                             | \$2.51          | 29 - 42                 |                          |                             |
|  |                  |                             | \$2.77          | 42 +                    |                          |                             |
| <b>Santa Clara</b><br>12.0             | Monthly          | \$7.65<br>Minimum<br>Charge | \$2.50          | None                    | \$30.00                  | Effective: 7/01/2009        |
| <b>Sunnyvale</b><br>13.1               | Bimonthly        | \$10.48                     | \$1.53          | 0 - 6                   | \$39.83                  | Effective: 2009-10          |
|  |                  |                             | \$2.97          | 7 - 33                  |                          |                             |
|  |                  |                             | \$3.16          | 34 - 50                 |                          |                             |
|  |                  |                             | \$3.26          | 51 +                    |                          |                             |
| <b>Westborough WD</b><br>6.4           | Bimonthly        | \$12.70                     | \$2.94          | None                    | \$25.17                  | Effective: 7/1/09           |

\* Average single family use among BAWSCA agencies varies from 5.1 to 30.7 units per month. 1 unit = 1 ccf. Includes individually metered single family homes, townhouses, and condos.

### Summary Billing Information

|                             | **Average<br>Monthly<br>Bill | Average<br>Monthly<br>Service<br>Charge |
|-----------------------------|------------------------------|---|
| All BAWSCA Agencies         | \$48.12                      | \$10.32                                 |
| Municipal Agencies Only     | \$45.03                      | \$10.56                                 |
| Special Districts / Private | \$52.33                      | \$9.98                                  |

\*\* Inclusive of service charge

Source: BAWSCA FY 2009-10 Annual Survey

Table 8B



## 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                   | 332,000  |
| Number of Accounts                   | 82,055   |
| Number of SFPUC Connections          | 7  |
| Connections To SFPUC Mains           | BDPL 1, 2, 3, and 4  |
| Avg. Day Demand (mgd)                | 42.35  |
| Avg. Day Purchases From SFPUC (mgd)  | 10.46  |
| % Demand Met With SFPUC Supplies     | 24.7%  |
| Maximum Local Water Production (mgd) | 64.7 (7/17/09, Production facilities + direct SFPUC TOs + NUMMI)   |
| Alternative Supply Sources           | SFPUC, 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<br>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 1994-2004 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<br>FY 06-07<br>(ccf) | Actual<br>FY 07-08<br>(ccf) | Actual<br>FY 08-09<br>(ccf) | Actual<br>FY 09-10<br>(ccf) |
|-----------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| San Francisco Water   | 6,667,959                   | 6,534,358                   | 5,477,714                   | 5,102,005                   |
| State Water Project   | 4,007,520                   | 9,081,389                   | 7,245,336                   | 7,324,179                   |
| Desalinated Water     | 1,219,680                   | 1,547,193                   | 1,396,163                   | 456,550                     |
| Local Groundwater     | 8,058,600                   | 6,454,412                   | 6,192,794                   | 6,651,067                   |
| Surface Water         | 4,094,640                   | 212,137                     | 1,814,611                   | 1,131,689                   |
| Recycled Water        | 0                           | 0                           | 0                           | 0                           |
| Other                 | 0                           | 0                           | 0                           | 0                           |
| <b>Total</b>          | <b>24,048,399</b>           | <b>23,829,489</b>           | <b>22,126,618</b>           | <b>20,665,490</b>           |
| <b>mgd equivalent</b> | <b>49.28</b>                | <b>48.83</b>                | <b>45.34</b>                | <b>42.35</b>                |

### Demand by Sector

|                       |                   |                   |                   |                   |
|-----------------------|-------------------|-------------------|-------------------|-------------------|
| Residential           | 15,281,883        | 15,051,716        | 14,767,696        | 12,687,592        |
| Commercial/Industrial | 5,004,044         | 4,805,518         | 4,611,802         | 3,163,521         |
| Other                 | 1,497,954         | 1,516,681         | 1,507,119         | 821,218           |
| Dedicated Irrigation  | 0                 | 0                 | 0                 | 2,082,462         |
| Unaccounted for       | 2,264,518         | 2,455,574         | 1,240,001         | 1,910,697         |
| <b>Total</b>          | <b>24,048,399</b> | <b>23,829,489</b> | <b>22,126,618</b> | <b>20,665,490</b> |
| <b>mgd equivalent</b> | <b>49.28</b>      | <b>48.83</b>      | <b>45.34</b>      | <b>42.35</b>      |

| Per Capita Use | Actual<br>FY 06-07<br>(gpcpd) | Actual<br>FY 07-08<br>(gpcpd) | Actual<br>FY 08-09<br>(gpcpd) | Actual<br>FY 09-10<br>(gpcpd) |
|----------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Residential    | 96                            | 93                            | 91                            | 78                            |
| Gross          | 150                           | 148                           | 137                           | 128                           |

**Storage Reservoirs**

| Designation    | Capacity (gallons) | Designation      | Capacity (gallons) |
|----------------|--------------------|------------------|--------------------|
| Alameda        | 16,250,000         | Mayhew           | 4,600,000          |
| 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        | 2,200,000          |
|                |                    | <b>Total</b>     | <b>85,510,000</b>  |

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            | 21             | Active | Mission San Jose WTP         | 4              | Active |
| Blending Facility | 47             | Active | Newark Desalination Facility | 5              | Active |
|                   |                |        | <b>Total</b>                 | <b>77</b>      |        |

**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 |
|         |                |        | <b>Total</b> | <b>50.9</b>    |          |

**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 SFPUC Line



## City of Brisbane

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                   | 3,993 (includes Guadalupe Valley MID)   |
| Number of Accounts                   | 1,910 (includes Guadalupe Valley MID)   |
| Number of SFPUC Connections          | 3 (Total of 5 for the City of Brisbane and GVMID combined)  |
| Connections To SFPUC Mains           | Crystal Springs Pipeline #1 and #2  |
| Avg. Day Demand (mgd)                | 0.57 (includes Guadalupe Valley MID)  |
| Avg. Day Purchases From SFPUC (mgd)  | 0.57 (includes Guadalupe Valley MID)S   |
| % Demand Met With SFPUC Supplies     | 100%  |
| Maximum Local Water Production (mgd) | 0   |
| Alternative Supply Sources           | None  |
| Interties With Other Agencies        | GVMID, CWS South San Francisco, Daly City   |
| Local Storage (mg)                   | 0.9 (Total of 2.9 for the City of Brisbane and GVMID combined)  |
| Days of Storage                      | 3 - Combined storage. All zones can meet the 8 hr criteria either separately or by pumping from zones with excess capacity. |

### 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.

## Water Supply and Demand

| Supply by Source         | Actual<br>FY 06-07<br>(ccf) | Actual<br>FY 07-08<br>(ccf) | Actual<br>FY 08-09<br>(ccf) | Actual<br>FY 09-10<br>(ccf) |
|--------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| San Francisco Water      | 148,937                     | 116,014                     | 142,689                     | 123,803                     |
| Guadalupe Valley - SFPUC | 51,500                      | 66,647                      | 37,054                      | 152,798                     |
| Recycled Water           | 0                           | 0                           | 0                           | 0                           |
| Other                    | 0                           | 0                           | 0                           | 0                           |
| <b>Total</b>             | <b>200,437</b>              | <b>182,661</b>              | <b>179,743</b>              | <b>276,601</b>              |
| <b>mgd equivalent</b>    | <b>0.41</b>                 | <b>0.37</b>                 | <b>0.37</b>                 | <b>0.57</b>                 |

### Demand by Sector

|                       |                |                |                |                |
|-----------------------|----------------|----------------|----------------|----------------|
| Residential           | 88,293         | 90,331         | 87,207         | 112,037        |
| Commercial/Industrial | 57,381         | 38,277         | 37,750         | 77,529         |
| Other                 | 8,390          | 1,012          | 1,633          | 0              |
| Dedicated Irrigation  | 41,553         | 42,816         | 42,551         | 79,279         |
| Unaccounted for       | 4,820          | 10,225         | 10,602         | 7,756          |
| <b>Total</b>          | <b>200,437</b> | <b>182,661</b> | <b>179,743</b> | <b>276,601</b> |
| <b>mgd equivalent</b> | <b>0.41</b>    | <b>0.37</b>    | <b>0.37</b>    | <b>0.57</b>    |

| Per Capita Use | Actual<br>FY 06-07<br>(gpcpd) | Actual<br>FY 07-08<br>(gpcpd) | Actual<br>FY 08-09<br>(gpcpd) | Actual<br>FY 09-10<br>(gpcpd) |
|----------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Residential    | 57                            | 59                            | 57                            | 58                            |
| Gross          | 130                           | 118                           | 117                           | 142                           |

**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<br>(gallons) |
|----------------|-------|-----------------------|
| Storage Tank 1 | Steel | 500,000               |
| Storage Tank 2 | Steel | 200,000               |
| Storage Tank 3 | Steel | 200,000               |
| <b>Total</b>   |       | <b>900,000</b>        |

### Interties

| Name                      | No. | Diameter<br>(in.) |
|---------------------------|-----|-------------------|
| CWS - South San Francisco | 1   | 16                |
| Daly City                 | 2   | 8, 8              |
| 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](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                   | 30,493   |
| Number of Accounts                   | 9,113  |
| Number of SFPUC Connections          | 6  |
| Connections To SFPUC Mains           | Crystal Springs #2 and #3, Sunset Pipeline   |
| Avg. Day Demand (mgd)                | 3.94   |
| Avg. Day Purchases From SFPUC (mgd)  | 3.94   |
| % Demand Met With SFPUC Supplies     | 100%   |
| Maximum Local Water Production (mgd) | 0  |
| Alternative Supply Sources           | None   |
| Interties With Other Agencies        | California Water Service Company (CWS) –<br>City of San Mateo, Town of Hillsborough,<br>City of Millbrae |
| Local Storage (mg)                   | 2.941  |
| Days of Storage                      | 1.2 days in six out of eight zones on maximum<br>day, the remaining two zones have 0.2 days.             |

#### Summary

The City of Burlingame receives all of its water supply from six SFPUC 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 SFPUC 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<br>FY 06-07<br>(ccf) | Actual<br>FY 07-08<br>(ccf) | Actual<br>FY 08-09<br>(ccf) | Actual<br>FY 09-10<br>(ccf) |
|-----------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| San Francisco Water   | 2,209,757                   | 2,195,474                   | 2,086,616                   | 1,920,815                   |
| Recycled Water        | 0                           | 0                           | 0                           | 0                           |
| Other                 | 0                           | 0                           | 0                           | 0                           |
| <b>Total</b>          | 2,209,757                   | 2,195,474                   | 2,086,616                   | 1,920,815                   |
| <b>mgd equivalent</b> | 4.53                        | 4.50                        | 4.28                        | 3.94                        |

### Demand by Sector

|                       |           |           |           |           |
|-----------------------|-----------|-----------|-----------|-----------|
| Residential           | 1,350,098 | 1,298,888 | 1,260,566 | 1,273,261 |
| Commercial/Industrial | 524,220   | 516,929   | 536,713   | 508,288   |
| Other                 | 177,354   | 177,676   | 131,316   | 39,037    |
| Dedicated Irrigation  | 0         | 0         | 0         | 121,123   |
| Unaccounted for       | 158,085   | 201,981   | 158,021   | -20,894   |
| <b>Total</b>          | 2,209,757 | 2,195,474 | 2,086,616 | 1,920,815 |
| <b>mgd equivalent</b> | 4.53      | 4.50      | 4.28      | 3.94      |

| Per Capita Use | Actual<br>FY 06-07<br>(gpcpd) | Actual<br>FY 07-08<br>(gpcpd) | Actual<br>FY 08-09<br>(gpcpd) | Actual<br>FY 09-10<br>(gpcpd) |
|----------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Residential    | 98                            | 95                            | 89                            | 86                            |
| Gross          | 161                           | 160                           | 148                           | 129                           |

## Facilities and Distribution

### Storage Reservoirs

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

### Interties

| Name                    | No. | Diameter<br>(in.) | Name     | No. | Diameter<br>(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

3351 El Camino Real, Suite 190  
Atherton, California 94027-3844

Phone: (650) 367-6800 Fax (650) 367-7605

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, and adjacent unincorporated portions of San Mateo County including: West Menlo Park, Ladera, North Fair Oaks, and Menlo Oaks. Cal Water acquired both the Skyline County Water District and Woodside Mutual Water Company in 2009 and incorporated them into the Bear Gulch District. Both systems serve rural communities along Highway 35 between Highways 84 and 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                   | 55,810  |
| Number of Accounts                   | 18,097  |
| Number of SFPUC Connections          | 8   |
| Connections To SFPUC Mains           | BDPL 1 and 2, BDPL 3 and 4, Palo Alto Pipeline, (Bay Crossing 1 and 2)  |
| Avg. Day Demand (mgd)                | 11.28   |
| Avg. Day Purchases From SFPUC (mgd)  | 10.64   |
| % Demand Met With SFPUC Supplies     | 94.3%   |
| 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                      | 0.86 - 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 SFPUC, 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 SFPUC. 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, 38 storage tanks and reservoirs, 2,213 hydrants, and 324 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<br>FY 06-07<br>(ccf) | Actual<br>FY 07-08<br>(ccf) | Actual<br>FY 08-09<br>(ccf) | Actual<br>FY 09-10<br>(ccf) |
|-----------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| San Francisco Water   | 6,142,190                   | 6,603,670                   | 6,148,376                   | 5,193,709                   |
| Local Groundwater     | 0                           | 0                           | 0                           | 0                           |
| Surface Water         | 530,835                     | 263,535                     | 264,668                     | 311,882                     |
| Recycled Water        | 0                           | 0                           | 0                           | 0                           |
| Other                 | 0                           | 0                           | 0                           | 0                           |
| <b>Total</b>          | <b>6,673,025</b>            | <b>6,867,205</b>            | <b>6,413,044</b>            | <b>5,505,591</b>            |
| <b>mgd equivalent</b> | <b>13.68</b>                | <b>14.07</b>                | <b>13.14</b>                | <b>11.28</b>                |

### Demand by Sector

|                       |                  |                  |                  |                  |
|-----------------------|------------------|------------------|------------------|------------------|
| Residential           | 5,572,720        | 5,633,409        | 5,374,815        | 5,147,357        |
| Commercial/Industrial | 625,450          | 610,909          | 613,876          | 585,740          |
| Other                 | 153,994          | 181,678          | 162,084          | 157,927          |
| Unaccounted for       | 320,861          | 441,209          | 262,269          | -385,433         |
| <b>Total</b>          | <b>6,673,025</b> | <b>6,867,205</b> | <b>6,413,044</b> | <b>5,505,591</b> |
| <b>mgd equivalent</b> | <b>13.68</b>     | <b>14.07</b>     | <b>13.14</b>     | <b>11.28</b>     |

| Per Capita Use | Actual<br>FY 06-07<br>(gpcpd) | Actual<br>FY 07-08<br>(gpcpd) | Actual<br>FY 08-09<br>(gpcpd) | Actual<br>FY 09-10<br>(gpcpd) |
|----------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Residential    | 206                           | 208                           | 193                           | 189                           |
| Gross          | 246                           | 254                           | 230                           | 202                           |

## Facilities and Distribution

### Storage Reservoirs

| Designation          | Type     | Capacity (gallons) | Designation      | Type     | Capacity (gallons) |
|----------------------|----------|--------------------|------------------|----------|--------------------|
| Bear Gulch Reservoir | Earth    | 215,000,000        | Sta. 029-Tank 1  | Redwood  | 100,000            |
| Sta. 002-Tank 1      | Steel    | 250,000            | Sta. 029-Tank 2  | Redwood  | 100,000            |
| Sta. 002-Tank 2      | Steel    | 500,000            | Sta. 029-Tank 3  | Steel    | 150,000            |
| Sta. 005-Tank 6      | Redwood  | 100,000 (inactive) | Sta. 030-Tank 1  | Steel    | 1,000,000          |
| Sta. 005-Tank 8      | Steel    | 250,000            | Sta. 031-Tank 2  | Redwood  | 165,000            |
| Sta. 005-Tank 9      | Steel    | 1,000,000          | Sta. 032-Tank 1  | Steel    | 250,000            |
| Sta. 006-Tank 1      | Steel    | 200,000            | Sta. 033-Tank 1  | Steel    | 10,000             |
| Sta. 007-Tank 5      | Redwood  | 100,000            | Sta. 034-Tank 1  | Concrete | 50,000             |
| Sta. 015-Tank 1      | Redwood  | 30,000             | Sta. 036-Tank 1  | Steel    | 125,000            |
| Sta. 016-Res.1       | Concrete | 1,112,000          | Sta. 037-Tank 1  | Steel    | 55,000             |
| Sta. 017-Tank 1      | Steel    | 250,000            | Sta. 038-Tank 1  | Steel    | 212,000            |
| Sta. 019-Tank 1      | Steel    | 500,000            | Sta. 039-Tank 1  | Steel    | 282,000            |
| Sta. 019-Tank 2      | Steel    | 500,000            | Sta. 041-Tank 1  | Steel    | 189,000            |
| Sta. 021-Tank 1      | Steel    | 1,000,000          | Sta. 041-Tank 2  | Steel    | 189,000            |
| Sta. 021-Tank 2      | Steel    | 1,000,000          | Sta. 042-Tank 1  | Steel    | 60,000             |
| Sta. 022-Tank 1      | Steel    | 450,000            | Sta. 042-Tank 2  | Steel    | 60,000             |
| Sta. 025-Tank 1      | Redwood  | 100,000            | Orchard Hills-T1 | Redwood  | 22,000             |
| Sta. 027-Tank 4      | Steel    | 750,000            | Orchard Hills-T2 | Redwood  | 22,000             |
| Sta. 028-Tank 1      | Steel    | 200,000            | Big Trees-Tank 1 | Redwood  | 40,000             |
| <b>Total</b>         |          |                    |                  |          | 226,273,000        |

### Surface Water Treatment Facilities

| Designation            | Capacity (mgd) |
|------------------------|----------------|
| Station 2 Filter Plant | 6              |

### Interties

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



## California Water Service - Mid-Peninsula District

341 North Delaware Street  
 San Mateo, California 94401-1727  
 Phone: (650) 558-7800 Fax: (650) 342-6865  
 Web: <http://www.calwater.com>

### Service Area

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

### System

#### Profile

|                                      |  |
|--------------------------------------|--|
| Area Size                            | 17 square miles  |
| Service Population                   | 120,350  |
| Number of Accounts                   | 35,401   |
| Number of SFPUC Connections          | 6  |
| Connections To SFPUC Mains           | Bay Crossing 1 and 2, BDPL 1 and 2, Crystal Springs #2, Sunset Pipeline                                      |
| Avg. Day Demand (mgd)                | 15.24  |
| Avg. Day Purchases From SFPUC (mgd)  | 15.24  |
| % Demand Met With SFPUC Supplies     | 100%   |
| Maximum Local Water Production (mgd) | 0  |
| Alternative Supply Sources           | None   |
| Interties With Other Agencies        | Mid-Peninsula WD, Redwood City, Belmont, Burlingame, Hillsborough, and Estero MID                            |
| Local Storage (mg)                   | 20.37  |
| Days of Storage                      | 1.47 - 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 SFPUC. Water is delivered to the San Carlos area via 3 SFPUC 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, 2,791 hydrants, and 356 miles of main.

## Water Supply and Demand

| Supply by Source      | Actual<br>FY 06-07<br>(ccf) | Actual<br>FY 07-08<br>(ccf) | Actual<br>FY 08-09<br>(ccf) | Actual<br>FY 09-10<br>(ccf) |
|-----------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| San Francisco Water   | 8,085,040                   | 7,813,188                   | 7,621,387                   | 7,434,701                   |
| Local Groundwater     | 0                           | 0                           | 0                           | 0                           |
| Surface Water         | 0                           | 0                           | 0                           | 0                           |
| Recycled Water        | 0                           | 0                           | 0                           | 0                           |
| Other                 | 0                           | 0                           | 0                           | 0                           |
| <b>Total</b>          | <b>8,085,040</b>            | <b>7,813,188</b>            | <b>7,621,387</b>            | <b>7,434,701</b>            |
| <b>mgd equivalent</b> | <b>16.57</b>                | <b>16.01</b>                | <b>15.62</b>                |                             |

### Demand by Sector

|                       |                  |                  |                  |                  |
|-----------------------|------------------|------------------|------------------|------------------|
| Residential           | 5,689,326        | 5,615,040        | 5,350,523        | 5,201,685        |
| Commercial/Industrial | 1,590,152        | 1,556,853        | 1,410,767        | 1,309,765        |
| Other                 | 415,515          | 442,900          | 378,924          | 390,390          |
| Unaccounted for       | 390,047          | 198,395          | 481,173          | 532,861          |
| <b>Total</b>          | <b>8,085,040</b> | <b>7,813,188</b> | <b>7,621,387</b> | <b>7,434,701</b> |
| <b>mgd equivalent</b> | <b>16.57</b>     | <b>16.01</b>     | <b>15.62</b>     | <b>15.24</b>     |

| Per Capita Use | Actual<br>FY 06-07<br>(gpcpd) | Actual<br>FY 07-08<br>(gpcpd) | Actual<br>FY 08-09<br>(gpcpd) | Actual<br>FY 09-10<br>(gpcpd) |
|----------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Residential    | 94                            | 93                            | 89                            | 89                            |
| Gross          | 133                           | 129                           | 127                           | 127                           |

## Facilities and Distribution

### Storage Reservoirs

| Designation     | Type    | Capacity<br>(gallons) | Designation            | Type  | Capacity<br>(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 | Redwood | 100,000               | Sta. 033-Tank 1        | Steel | 300,000               |
| Sta. 025-Tank 2 | Steel   | 250,000               | Sta. 033-Tank 2        | Steel | 500,000               |
| Sta. 025-Tank 3 | Steel   | 250,000               |                        |       |                       |
|                 |         |                       | <b>San Mateo Total</b> |       | <b>14,656,000</b>     |

**Storage Reservoirs**

| Designation     | Type     | Capacity (gallons) |
|-----------------|----------|--------------------|
| San Carlos      |          |                    |
| Sta. 103-Tank 1 | Concrete | 165,000            |
| Sta. 106-Tank 2 | Steel    | 250,000            |
| 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 | Redwood  | 100,000            |
| Sta. 116-Tank 3 | 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 | Redwood | 0                  |
| Sta. 122-Tank 2 | 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 | Redwood | 50,000             |
|                 |         |                    |

**San Carlos Total** 5,718,000

**San Mateo and San Carlos Total** 20,374,000

**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       | 4   | 8, 8, 4, 6     |
| Hillsborough WD  | 2   | 4, 8           |
| Mid-Peninsula WD | 2   | 6, 6           |
| Estero MID       | 1   | 8              |



## 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                   | 56,010  |
| Number of Accounts                   | 16,159  |
| Number of SFPUC Connections          | 11  |
| Connections To SFPUC Mains           | Crystal Springs #2, San Andreas 1, 2, and 3, Sunset Pipeline  |
| Avg. Day Demand (mgd)                | 7.84  |
| Avg. Day Purchases From SFPUC (mgd)  | 7.50  |
| % Demand Met With SFPUC Supplies     | 95.7%   |
| Maximum Local Water Production (mgd) | 1.39  |
| 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                      | 1.04 - 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 SFPUC 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 SFPUC. But in 2007 Cal Water began operating its well again. The distribution system includes 15 pressure zones, 8 wells, 25 booster pumps, 14 storage reservoirs, 1,447 hydrants, and 154 miles of main.

## Water Supply and Demand

| Supply by Source      | Actual<br>FY 06-07<br>(ccf) | Actual<br>FY 07-08<br>(ccf) | Actual<br>FY 08-09<br>(ccf) | Actual<br>FY 09-10<br>(ccf) |
|-----------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| San Francisco Water   | 4,052,652                   | 3,997,778                   | 3,791,316                   | 3,657,668                   |
| Local Groundwater     | 0                           | 0                           | 0                           | 0                           |
| Surface Water         | 0                           | 37,994                      | 136,023                     | 165,658                     |
| Recycled Water        | 0                           | 0                           | 0                           | 0                           |
| Other                 | 0                           | 0                           | 0                           | 0                           |
| <b>Total</b>          | <b>4,052,652</b>            | <b>4,035,772</b>            | <b>3,927,339</b>            | <b>3,823,326</b>            |
| <b>mgd equivalent</b> | <b>8.31</b>                 | <b>8.27</b>                 | <b>8.05</b>                 | <b>7.84</b>                 |

### Demand by Sector

|                       |                  |                  |                  |                  |
|-----------------------|------------------|------------------|------------------|------------------|
| Residential           | 1,727,210        | 1,701,010        | 1,639,223        | 1,599,404        |
| Commercial/Industrial | 2,087,435        | 2,083,132        | 2,021,760        | 1,928,049        |
| Other                 | 194,298          | 202,950          | 181,452          | 175,971          |
| Unaccounted for       | 43,709           | 48,680           | 84,904           | 119,902          |
| <b>Total</b>          | <b>4,052,652</b> | <b>4,035,772</b> | <b>3,927,339</b> | <b>3,823,326</b> |
| <b>mgd equivalent</b> | <b>8.31</b>      | <b>8.27</b>      | <b>8.05</b>      | <b>7.84</b>      |

| Per Capita Use | Actual<br>FY 06-07<br>(gpcpd) | Actual<br>FY 07-08<br>(gpcpd) | Actual<br>FY 08-09<br>(gpcpd) | Actual<br>FY 09-10<br>(gpcpd) |
|----------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Residential    | 145                           | 61                            | 60                            | 59                            |
| Gross          | 62                            | 144                           | 143                           | 140                           |

## Facilities and Distribution

### Storage Reservoirs

| Designation             | Type     | Capacity<br>(gallons) | Designation              | Type  | Capacity<br>(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               |
| <b>Total</b>            |          |                       |                          |       | <b>8,125,000</b>      |

**Wells**

| <b>Name</b>  | <b>Capacity<br/>(gpm)</b> | <b>Status*</b> |
|--------------|---------------------------|----------------|
| Well 02      | 60                        | Inactive       |
| Well 14      | 90                        | Inactive       |
| Well 15      | 95                        | Active         |
| Well 17      | 200                       | Inactive       |
| Well 18      | 340                       | Active         |
| Well 19      | 160                       | Active         |
| Well 20      | 150                       | Active         |
| Well 21      | 220                       | Active         |
| <b>Total</b> | 965                       |                |

**Interties**

| <b>Name</b> | <b>No.</b> | <b>Diameter<br/>(in.)</b> |
|-------------|------------|---------------------------|
| Brisbane    | 1          | 16                        |
| San Bruno   | 1          | 6                         |
| Daly City   | 5          | 2, 4, 4, 8, 10            |



## Coastside County Water District

766 Main Street  
 Half Moon Bay, California 94019-1995  
 Phone: (650) 726-4405 Fax: (650) 726-5245  
 Web: <http://www.coastsidewater.org>

### Service Area

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

### System

#### Profile

|                                      |  |
|--------------------------------------|--|
| Area Size                            | 14 square miles  |
| Service Population                   | 20,216   |
| Number of Accounts                   | 6,853 (excludes fire services)   |
| Number of SFPUC Connections          | 2  |
| Connections To SFPUC Mains           | Crystal Springs Intake and Stone Dam (Pilarcitos Lake)   |
| Avg. Day Demand (mgd)                | 2.02   |
| Avg. Day Purchases From SFPUC (mgd)  | 1.82   |
| % Demand Met With SFPUC Supplies     | 90%  |
| 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 SFPUC 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 9 pressure zones, 7 pump stations, 2 water treatment plants, 11 treated storage tanks, approximately 600 hydrants, 17 miles of transmission (supply) pipeline, and 83 miles of distribution pipeline.

## Water Supply and Demand

| Supply by Source      | Actual<br>FY 06-07<br>(ccf) | Actual<br>FY 07-08<br>(ccf) | Actual<br>FY 08-09<br>(ccf) | Actual<br>FY 09-10<br>(ccf) |
|-----------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| San Francisco Water   | 1,006,844                   | 1,014,105                   | 977,849                     | 887,675                     |
| Local Groundwater     | 18,020                      | 30,735                      | 11,952                      | 8,408                       |
| Surface Water         | 192,126                     | 122,620                     | 49,960                      | 31,363                      |
| Recycled Water        | 0                           | 0                           | 0                           | 0                           |
| Other                 | 46,885                      | 35,455                      | 15,535                      | 59,038                      |
| <b>Total</b>          | <b>1,263,875</b>            | <b>1,202,915</b>            | <b>1,055,296</b>            | <b>986,484</b>              |
| <b>mgd equivalent</b> | <b>2.59</b>                 | <b>2.47</b>                 | <b>2.16</b>                 | <b>2.02</b>                 |

### Demand by Sector

|                       |                  |                  |                  |                |
|-----------------------|------------------|------------------|------------------|----------------|
| Residential           | 683,861          | 674,954          | 640,568          | 593,521        |
| Commercial/Industrial | 347,241          | 418,618          | 355,523          | 253,024        |
| Other                 | 92,309           | 105,449          | 32,190           | 35,646         |
| Dedicated Irrigation  | 0                | 0                | 0                | 86,691         |
| Unaccounted for       | 140,464          | 3,894            | 27,015           | 17,602         |
| <b>Total</b>          | <b>1,263,875</b> | <b>1,202,915</b> | <b>1,055,296</b> | <b>986,484</b> |
| <b>mgd equivalent</b> | <b>2.59</b>      | <b>2.47</b>      | <b>2.16</b>      | <b>2.02</b>    |

| Per Capita Use | Actual<br>FY 06-07<br>(gpcpd) | Actual<br>FY 07-08<br>(gpcpd) | Actual<br>FY 08-09<br>(gpcpd) | Actual<br>FY 09-10<br>(gpcpd) |
|----------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Residential    | 78                            | 73                            | 68                            | 60                            |
| Gross          | 145                           | 131                           | 113                           | 100                           |

## Facilities and Distribution

### Treated Water Storage Reservoirs

| Designation  | Type    | Capacity<br>(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             |
| <b>Total</b> |         | <b>8.05</b>      |

**Surface Water Treatment Facilities**

| <b>Designation</b> | <b>Capacity (mgd)</b> |
|--------------------|-----------------------|
| Nunes WTP          | 4.5                   |
| Denniston WTP      | 1.0                   |
| <b>Total</b>       | <b>5.5</b>            |

**Wells**

| <b>Name</b>  | <b>Capacity (gpm)*</b> | <b>Status</b>                      |
|--------------|------------------------|------------------------------------|
| D1           | 25                     | Active                             |
| D2           |                        | Standby                            |
| D3           | 37                     | Active                             |
| D4           | 35                     | Active                             |
| D5           | 35                     | Active                             |
| D9           | 45                     | Active                             |
| P1           | 40                     | November 1-<br>March 31            |
| P2           |                        | Standby                            |
| P3           |                        | Standby                            |
| P3A          |                        | Standby                            |
| P4           | 100                    | November 1-<br>March 31<br>Standby |
| P4A          | 200                    | November 1-<br>March 31            |
| P5           | 65                     | November 1-<br>March 31            |
| <b>Total</b> | <b>582</b>             |                                    |

\*Capacity is dependent on stream flows



## 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](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](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                   | 107,773  |
| Number of Accounts                   | 21,820   |
| Number of SFPUC Connections          | 11   |
| Connections To SFPUC Mains           | Crystal Springs #1 and #2, San Andreas #2, and the Sunset Pipeline   |
| Avg. Day Demand (mgd)                | 6.70   |
| Avg. Day Purchases From SFPUC (mgd)  | 3.16   |
| % Demand Met With SFPUC Supplies     | 47.2%  |
| Maximum Local Water Production (mgd) | 4.25   |
| 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 supplementally, could meet partial demands in an emergency. |

#### Summary

The City of Daly City is supplied by two sources of water: surface water from the SFPUC regional water system, local groundwater from six municipal wells, 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 SFPUC 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 SFPUC 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 SFPUC 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 SFPUC 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. 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 SFPUC and groundwater, with the exception of Reservoirs #8 and #5 which are supplied solely by SFPUC 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 April 2012.

Since its initiation, some 1,465,429 ccf have been delivered for irrigation use, lessening the demand on local groundwater, and to a small degree, offsetting SFPUC system water.

## Water Supply and Demand

| Supply by Source                | Actual<br>FY 06-07<br>(ccf) | Actual<br>FY 07-08<br>(ccf) | Actual<br>FY 08-09<br>(ccf) | Actual<br>FY 09-10<br>(ccf) |
|---------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| San Francisco Water             | 1,747,221                   | 2,187,273                   | 2,113,320                   | 1,542,719                   |
| SFPUC Supplemental Water        | 1,160,313                   | 0                           | 165,750                     | 904,856                     |
| City of Brisbane - SFPUC        | 4,453                       | 0                           | 0                           | 0                           |
| Local Groundwater               | 572,765                     | 1,540,336                   | 1,268,714                   | 819,239                     |
| Recycled Water                  | 5,842                       | 7,754                       | 5,294                       | 4,064                       |
| Other (Transfer to North Coast) | 0                           | -3,944                      | 522                         | 0                           |
| <b>Total</b>                    | <b>3,490,594</b>            | <b>3,731,419</b>            | <b>3,553,600</b>            | <b>3,270,878</b>            |
| <b>mgd equivalent</b>           | <b>7.15</b>                 | <b>7.65</b>                 | <b>7.28</b>                 | <b>6.70</b>                 |

Recycled water reflected in this table shows the amount of recycled water that offsets SFPUC water. For example, total recycled water distributed in 08/09 equals 244,492 ccf.

### Demand by Sector

|                       |                  |                  |                  |                  |
|-----------------------|------------------|------------------|------------------|------------------|
| Residential           | 2,716,710        | 2,671,556        | 2,613,408        | 2,460,632        |
| Commercial/Industrial | 392,638          | 385,406          | 379,068          | 412,073          |
| Other                 | 263,937          | 269,169          | 254,907          | 154,113          |
| Unaccounted for       | 117,309          | 405,288          | 306,217          | 244,060          |
| <b>Total</b>          | <b>3,490,594</b> | <b>3,731,419</b> | <b>3,553,600</b> | <b>3,270,878</b> |
| <b>mgd equivalent</b> | <b>7.15</b>      | <b>7.65</b>      | <b>7.28</b>      | <b>6.70</b>      |

| Per Capita Use              | Actual<br>FY 06-07<br>(gpcpd) | Actual<br>FY 07-08<br>(gpcpd) | Actual<br>FY 08-09<br>(gpcpd) | Actual<br>FY 09-10<br>(gpcpd) |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Residential                 | 52                            | 52                            | 50                            | 47                            |
| Gross (Less Recycled Water) | 67                            | 72                            | 68                            | 62                            |

## Facilities and Distribution

### Storage Reservoirs

| Designation  | Type     | Capacity<br>(gallons) | Designation     | Type     | Capacity<br>(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               |
|              |          |                       | <b>Total</b>    |          | <b>24,583,000</b>     |

**Wells**

| <b>Name</b>  | <b>Capacity<br/>(gpm)</b> | <b>Status</b> |
|--------------|---------------------------|---------------|
| Westlake     | 410                       | Active        |
| Well 4       | 426                       | Active        |
| Jeff Well    | 340                       | Active        |
| Vale         | 693                       | Active        |
| A St.        | 524                       | Inactive      |
| JS Well      | 550                       | Active        |
| <b>Total</b> | <b>2,943</b>              |               |

**Interties**

| <b>Name</b> | <b>No.</b> | <b>Diameter<br/>(in.)</b> |
|-------------|------------|---------------------------|
| 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                   | 29,690   |
| Number of Accounts                   | 4,182  |
| Number of SFPUC Connections          | 3  |
| Connections To SFPUC Mains           | BDPL 1 and 2   |
| Avg. Day Demand (mgd)                | 1.73   |
| Avg. Day Purchases From SFPUC (mgd)  | 1.73   |
| % Demand Met With SFPUC Supplies     | 100%   |
| Maximum Local Water Production (mgd) | 0  |
| Alternative Supply Sources           | None   |
| Interties With Other Agencies        | Palo Alto, Menlo Park, O'Connor Tract Water Coop   |
| Local Storage (mg)                   | 0  |
| Days of Storage                      | 0 - No storage: cannot sustain an 8 hr. 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 SFPUC turnouts off BDPL 1 and 2. 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 (SFPUC-supplied) to Menlo Park under an existing agreement.

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<br>FY 05-06<br>(ccf) | Actual<br>FY 06-07<br>(ccf) | Actual<br>FY 07-08<br>(ccf) | Actual<br>FY 09-10<br>(ccf) |
|-----------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| San Francisco Water   | 1,037,527                   | 1,055,824                   | 990,244                     | 842,883                     |
| Local Groundwater     | 0                           | 0                           | 584                         | 0                           |
| Recycled Water        | 0                           | 0                           | 0                           | 0                           |
| Other (to Menlo Park) | -60,653                     | -59,237                     | -52,199                     | 0                           |
| <b>Total</b>          | <b>976,874</b>              | <b>996,587</b>              | <b>938,629</b>              | <b>842,883</b>              |
| <b>mgd equivalent</b> | <b>2.00</b>                 | <b>2.04</b>                 | <b>1.92</b>                 | <b>1.73</b>                 |

### Demand by Sector

|                       |                |                |                |                |
|-----------------------|----------------|----------------|----------------|----------------|
| Residential           | 772,926        | 774,219        | 655,590        | 661,042        |
| Commercial/Industrial | 205,943        | 143,118        | 198,590        | 135,337        |
| Other                 | 24,180         | 23,323         | 21,591         | 26,523         |
| Unaccounted for       | -26,175        | 55,927         | 62,858         | 19,981         |
| <b>Total</b>          | <b>976,874</b> | <b>996,587</b> | <b>938,629</b> | <b>842,883</b> |
| <b>mgd equivalent</b> | <b>2.00</b>    | <b>2.04</b>    | <b>1.92</b>    | <b>1.73</b>    |

| Per Capita Use | Actual<br>FY 06-07<br>(gpcpd) | Actual<br>FY 07-08<br>(gpcpd) | Actual<br>FY 08-09<br>(gpcpd) | Actual<br>FY 09-10<br>(gpcpd) |
|----------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Residential    | 53                            | 53                            | 45                            | 46                            |
| Gross          | 67                            | 69                            | 65                            | 58                            |

## Facilities and Distribution

### Wells

| Name         | Capacity<br>(gpm) | Status  |
|--------------|-------------------|---------|
| EPACWD Well  | 0.2               | Standby |
| <b>Total</b> | <b>0.2</b>        |         |

### Interties

| Name       | No. | Diameter<br>(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                   | 36,100  |
| Number of Accounts                   | 8,321   |
| Number of SFPUC Connections          | 1   |
| Connections To SFPUC Mains           | Crystal Springs #2                                    |
| Avg. Day Demand (mgd)                | 4.90  |
| Avg. Day Purchases From SFPUC (mgd)  | 4.90  |
| % Demand Met With SFPUC Supplies     | 100%  |
| 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 SFPUC 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<br>FY 06-07<br>(ccf) | Actual<br>FY 07-08<br>(ccf) | Actual<br>FY 08-09<br>(ccf) | Actual<br>FY 09-10<br>(ccf) |
|-----------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| San Francisco Water   | 2,747,662                   | 2,691,080                   | 2,538,289                   | 2,392,839                   |
| Local Groundwater     | 0                           | 0                           | 0                           | 0                           |
| Surface Water         | 0                           | 0                           | 0                           | 0                           |
| Recycled Water        | 0                           | 0                           | 0                           | 0                           |
| Other                 | 0                           | 0                           | 0                           | 0                           |
| <b>Total</b>          | 2,747,662                   | 2,691,080                   | 2,538,289                   | 2,392,839                   |
| <b>mgd equivalent</b> | 5.63                        | 5.51                        | 5.20                        | 4.90                        |

### Demand by Sector

|                       |           |           |           |           |
|-----------------------|-----------|-----------|-----------|-----------|
| Residential           | 1,559,496 | 1,576,730 | 1,503,735 | 1,490,075 |
| Commercial/Industrial | 237,397   | 242,449   | 232,791   | 229,958   |
| Other                 | 681,968   | 667,146   | 629,541   | 41,563    |
| Dedicated Irrigation  | 0         | 0         | 0         | 556,285   |
| Unaccounted for       | 268,801   | 204,755   | 172,222   | 74,958    |
| <b>Total</b>          | 2,747,662 | 2,691,080 | 2,538,289 | 2,392,839 |
| <b>mgd equivalent</b> | 5.63      | 5.51      | 5.20      | 4.90      |

| Per Capita Use | Actual<br>FY 06-07<br>(gpcpd) | Actual<br>FY 07-08<br>(gpcpd) | Actual<br>FY 08-09<br>(gpcpd) | Actual<br>FY 09-10<br>(gpcpd) |
|----------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Residential    | 93                            | 90                            | 85                            | 85                            |
| Gross          | 164                           | 153                           | 144                           | 136                           |

## Facilities and Distribution

### Storage Reservoirs

| Designation    | Type  | Capacity<br>(mg) |
|----------------|-------|------------------|
| Storage Tank 1 | Steel | 4                |
| Storage Tank 2 | Steel | 4                |
| Storage Tank 3 | Steel | 4                |
| Storage Tank 4 | Conc. | 8                |
| <b>Total</b>   |       | 20               |

### Interties

| Name            | No. | Diameter<br>(in.) |
|-----------------|-----|-------------------|
| CWS - San Mateo | 1   | 12                |
| Mid-Peninsula   | 1   | 12                |

## Guadalupe Valley Municipal Improvement District

50 Park Lane

Brisbane, California 94005

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

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

### Service Area

The Guadalupe Valley Municipal Improvement District is located in north San Mateo County, and consists primarily of an industrial park development and a small residential enclave located within the Brisbane city limits.

### System

#### Profile

|                                      |   |
|--------------------------------------|---|
| Area Size                            | 0.5 square miles  |
| Service Population                   | 438 (2000 U.S. Census)  |
| Number of Accounts                   | Included with City of Brisbane  |
| Number of SFPUC Connections          | 2 (Total of 5 for the City of Brisbane and GVMID combined)  |
| Connections To SFPUC Mains           | Crystal Springs Pipelines #1 and #2   |
| Avg. Day Demand (mgd)                | Included with City of Brisbane  |
| Avg. Day Purchases From SFPUC (mgd)  | Included with City of Brisbane  |
| % Demand Met With SFPUC Supplies     | 100%  |
| Maximum Local Water Production (mgd) | 0   |
| Alternative Supply Sources           | None  |
| Interties With Other Agencies        | City of Brisbane, Daly City   |
| Local Storage (mg)                   | 2.0 (Total of 2.9 for the City of Brisbane and GVMID combined)  |
| Days of Storage                      | 3 – Combined storage. All zones can meet the 8 hr criteria either separately or by pumping from zones with excess capacity. |

### Summary

The Guadalupe Valley Municipal Improvement District's (GVMID) 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 3 pressure zones, and is operated as a combined system with the City of Brisbane Water District.

## Water Supply and Demand

| Supply by Source            | Actual<br>FY 06-07<br>(ccf) | Actual<br>FY 07-08<br>(ccf) | Actual<br>FY 08-09<br>(ccf) | Actual<br>FY 09-10<br>(ccf) |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| San Francisco Water         | 167,401                     | 197,132                     | 159,942                     | 152,798                     |
| Recycled Water              | 0                           | 0                           | 0                           | 0                           |
| Other (to City of Brisbane) | -51,500                     | -66,647                     | -37,054                     | 0                           |
| <b>Total</b>                | 115,901                     | 130,485                     | 122,888                     | 152,798                     |
| <b>mgd equivalent</b>       | 0.24                        | 0.27                        | 0.25                        | 0.31                        |

### Demand by Sector

|                         |         |         |         |   |
|-------------------------|---------|---------|---------|---|
| Residential             | 23,825  | 23,989  | 23,173  | – |
| Commercial/Governmental | 58,414  | 47,284  | 45,285  | – |
| Landscape               | 25,797  | 46,479  | 45,044  | – |
| Other                   | 3,314   | 2,508   | 1,036   | – |
| Unaccounted for 1       | 4,551   | 10,225  | 8,350   | – |
| <b>Total</b>            | 115,901 | 130,485 | 122,888 | – |
| <b>mgd equivalent</b>   | 0.24    | 0.27    | 0.25    | – |

| Per Capita Use | Actual<br>FY 06-07<br>(gpcpd) | Actual<br>FY 07-08<br>(gpcpd) | Actual<br>FY 08-09<br>(gpcpd) | Actual<br>FY 09-10<br>(gpcpd) |
|----------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Residential    | 111                           | 112                           | 108                           | –                             |

**Note:** Gross per capita use is not calculated for GVMID. The predominately commercial district creates an extremely high and misleading gross per-capita water use due to the small residential population versus disproportionately high commercial water use.

**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. Refer to City of Brisbane for the combined demand and per capita use information.

## Facilities and Distribution

### Storage Reservoirs

| Designation    | Type     | Capacity<br>(mg) |
|----------------|----------|------------------|
| Guadalupe Tank | Steel    | 1.0              |
| Crocker Tank   | Concrete | 1.0              |
| <b>Total</b>   |          | 2.0              |

### Interties

| Name             | No. | Diameter<br>(in.) |
|------------------|-----|-------------------|
| City of Brisbane | 3   | 12, 12, 12        |
| Daly City        | 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                   | 153,104   |
| Number of Accounts                   | 32,571  |
| Number of SFPUC Connections          | 4 (two at each turnout)   |
| Connections To SFPUC Mains           | BDPL 1 and 2  |
| Avg. Day Demand (mgd)                | 17.44   |
| Avg. Day Purchases From SFPUC (mgd)  | 17.44   |
| % Demand Met With SFPUC Supplies     | 100%  |
| Maximum Local Water Production (mgd) | 0   |
| Alternative Supply Sources           | Local Groundwater (Emergency Use Only)  |
| Interties With Other Agencies        | ACWD, EBMUD   |
| Local Storage (mg)                   | 28.1  |
| Days of Storage                      | 1.4 - 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 SFPUC 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 SFPUC 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<br>FY 06-07<br>(ccf) | Actual<br>FY 07-08<br>(ccf) | Actual<br>FY 08-09<br>(ccf) | Actual<br>FY 09-10<br>(ccf) |
|--|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| San Francisco Water                          | 8,901,286                   | 9,434,134                   | 9,105,654                   | 8,511,066                   |
| Local Groundwater                            | 0                           | 0                           | 0                           | 0                           |
| Recycled Water                               | 0                           | 0                           | 0                           | 0                           |
| Other - EBMUD & ACWD<br>(Temporary supplies) | 0                           | 0                           | 0                           | 0                           |
| <b>Total</b>                                 | 8,901,286                   | 9,434,134                   | 9,105,654                   | 8,511,066                   |
| <b>mgd equivalent</b>                        | 18.24                       | 19.33                       | 18.66                       | 17.44                       |

### Demand by Sector

|                       |           |           |           |           |
|-----------------------|-----------|-----------|-----------|-----------|
| Residential           | 5,191,902 | 5,086,793 | 4,715,322 | 4,330,536 |
| Commercial/Industrial | 2,477,346 | 2,501,818 | 2,301,514 | 1,527,449 |
| Other                 | 655,734   | 701,058   | 615,126   | 368,322   |
| Dedicated Irrigation  | 0         | 0         | 0         | 897,153   |
| Unaccounted for*      | 576,304   | 1,144,465 | 1,473,692 | 1,387,606 |
| <b>Total</b>          | 8,901,286 | 9,434,134 | 9,105,654 | 8,511,066 |
| <b>mgd equivalent</b> | 18.24     | 19.33     | 18.66     | 17.44     |

| Per Capita Use | Actual<br>FY 06-07<br>(gpcpd) | Actual<br>FY 07-08<br>(gpcpd) | Actual<br>FY 08-09<br>(gpcpd) | Actual<br>FY 09-10<br>(gpcpd) |
|----------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Residential    | 72                            | 70                            | 64                            | 58                            |
| Gross          | 123                           | 130                           | 124                           | 114                           |

\*Preliminary and subject to change. 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 corrective actions are under review.

## Facilities and Distribution

### Storage Reservoirs

| Designation   | Type     | Capacity<br>(gallons) | Designation   | Type     | Capacity<br>(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             |
|               |          |                       | <b>Total</b>  |          | 29,350,000            |

**Wells**

| <b>Name</b>  | <b>Capacity<br/>(mgd)</b> | <b>Status</b>       |
|--------------|---------------------------|---------------------|
| 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) |
| <b>Total</b> | 13.6                      |                     |

**Interties**

| <b>Name</b> | <b>No.</b> | <b>Diameter<br/>(in.)</b> |
|-------------|------------|---------------------------|
| 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 SFPUC and EBMUD.



## Town of Hillsborough

Water Department

1600 Floribunda Avenue

Hillsborough, California 94010-6498

Phone: (650) 375-7402 Fax: (650) 375-7475

Web: <http://www.hillsborough.net/depts/pw/water/default.asp>

### Service Area

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

### System

#### Profile

|                                      |   |
|--------------------------------------|---|
| Area Size                            | 6.25 square miles   |
| Service Population                   | 11,982  |
| Number of Accounts                   | 4,262   |
| Number of SFPUC Connections          | 9 Turnouts, 12 meters   |
| Connections To SFPUC Mains           | Crystal Springs #2, Sunset Pipeline   |
| Avg. Day Demand (mgd)                | 3.01  |
| Avg. Day Purchases From SFPUC (mgd)  | 3.01  |
| % Demand Met With SFPUC Supplies     | 100%  |
| 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 SFPUC 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 97 miles of mains.

There are no wells or alternate sources within the district.

## Water Supply and Demand

| Supply by Source <sup>1</sup> | Actual<br>FY 06-07<br>(ccf) | Actual<br>FY 07-08<br>(ccf) | Actual<br>FY 08-09<br>(ccf) | Actual<br>FY 09-10<br>(ccf) |
|-------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| San Francisco Water           | 1,786,177                   | 1,893,039                   | 1,743,929                   | 1,470,409                   |
| Local Groundwater             | 0                           | 0                           | 0                           | 0                           |
| Surface Water                 | 0                           | 0                           | 0                           | 0                           |
| Recycled Water                | 0                           | 0                           | 0                           | 0                           |
| Other                         | 0                           | 0                           | 0                           | 0                           |
| <b>Total</b>                  | 1,786,177                   | 1,893,039                   | 1,743,929                   | 1,470,409                   |
| <b>mgd equivalent</b>         | 3.66                        | 3.88                        | 3.57                        | 3.01                        |

### Demand by Sector <sup>2</sup>

|                       |           |           |           |           |
|-----------------------|-----------|-----------|-----------|-----------|
| Residential           | 1,646,421 | 1,678,233 | 1,531,716 | 1,383,823 |
| Commercial/Industrial | 39,103    | 38,861    | 34,723    | 30,661    |
| Other                 | 10,158    | 12,012    | 3,496     | 2,820     |
| Unaccounted for       | 90,495    | 163,933   | 173,994   | 53,105    |
| <b>Total</b>          | 1,786,177 | 1,893,039 | 1,743,929 | 1,470,409 |
| <b>mgd equivalent</b> | 3.66      | 3.88      | 3.57      | 3.01      |

| Per Capita Use | Actual<br>FY 06-07<br>(gpcpd) | Actual<br>FY 07-08<br>(gpcpd) | Actual<br>FY 08-09<br>(gpcpd) | Actual<br>FY 09-10<br>(gpcpd) |
|----------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Residential    | 308                           | 318                           | 289                           | 237                           |
| Gross          | 334                           | 358                           | 330                           | 251                           |

<sup>1</sup> SFPUC billing is based on monthly meter readings.

<sup>2</sup> Hillsborough retail sales are based on bi-monthly reading of customers' meters.

## Facilities and Distribution

### Storage Reservoirs

| Designation        | Type              | Capacity<br>(gallons) |
|--------------------|-------------------|-----------------------|
| Forest View Tank 1 | Steel             | 675,000               |
| Forest View Tank 2 | Steel             | 280,000               |
| 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               |
| Crocker Reservoir  | Concrete<br>Lined | 375,000               |
| Darrell Tank 1     | Steel             | 500,000               |
| Darrell Tank 2     | Steel             | 500,000               |
| Darrell Tank 3     | Steel             | 1,000,000             |
| El Arroyo Tank 1   | Steel             | 516,000               |
| El Arroyo Tank 2   | Steel             | 516,000               |

| <b>Designation</b> | <b>Type</b> | <b>Capacity<br/>(gallons)</b> |
|--------------------|-------------|-------------------------------|
| 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                       |
| <b>Total</b>       |             | <b>8,292,000</b>              |

**Interties**

| <b>Name</b>    | <b>No.</b> | <b>Diameter<br/>(in.)</b> |
|----------------|------------|---------------------------|
| CWS -San Mateo | 2          | 2*, 8                     |
| Burlingame     | 3          | 6, 8, 10                  |
| San Mateo      | 2          | 8, 6                      |

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



## City of Menlo Park

Menlo Park Municipal Water Department  
 701 Laurel Street  
 Menlo Park, California 94025-3483  
 Phone: (650) 330-6740 Fax: (650) 327-5497  
 Web: <http://www.menlopark.org/index2.html>

### 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                   | 14,139   |
| Number of Accounts                   | 4,104  |
| Number of SFPUC Connections          | 5  |
| Connections To SFPUC Mains           | Ivy Drive at Hill, Chilco and Madera to BDPL 1 and 2, Sharon Park Drive at Lassen to BDPL 3 and 4, El Camino Real and Middle to Palo Alto Pipeline |
| Avg. Day Demand (mgd)                | 3.19   |
| Avg. Day Purchases From SFPUC (mgd)  | 3.19   |
| % Demand Met With SFPUC Supplies     | 100%   |
| 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 most of its water directly from the SFPUC, and the remainder from East Palo Alto, whose source is also SFPUC. One SFPUC 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 59 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<br>FY 06-07<br>(ccf) | Actual<br>FY 07-08<br>(ccf) | Actual<br>FY 08-09<br>(ccf) | Actual<br>FY 09-10<br>(ccf) |
|------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| San Francisco Water    | 1,735,075                   | 1,801,894                   | 1,576,076                   | 1,513,093                   |
| East Palo Alto - SFPUC | 0                           | 55,194                      | 52,199                      | 43,708                      |
| Local Groundwater      | 0                           | 0                           | 0                           | 0                           |
| Surface Water          | 0                           | 0                           | 0                           | 0                           |
| Recycled Water         | 0                           | 0                           | 0                           | 0                           |
| Other                  | 0                           | 0                           | 0                           | 0                           |
| <b>Total</b>           | <b>1,735,075</b>            | <b>1,857,088</b>            | <b>1,628,275</b>            | <b>1,556,801</b>            |
| <b>mgd equivalent</b>  | <b>3.56</b>                 | <b>3.81</b>                 | <b>3.34</b>                 | <b>3.19</b>                 |

### Demand by Sector

|                       |                  |                  |                  |                  |
|-----------------------|------------------|------------------|------------------|------------------|
| Residential           | 758,543          | 748,048          | 721,684          | 647,790          |
| Commercial/Industrial | 720,975          | 707,715          | 602,191          | 548,276          |
| Other                 | 268,245          | 300,804          | 280,247          | 90,844           |
| Dedicated Irrigation  | 0                | 0                | 0                | 142,781          |
| Unaccounted for       | -12,688          | 100,521          | 24,153           | 127,110          |
| <b>Total</b>          | <b>1,735,075</b> | <b>1,857,088</b> | <b>1,628,275</b> | <b>1,556,801</b> |
| <b>mgd equivalent</b> | <b>3.56</b>      | <b>3.81</b>      | <b>3.34</b>      | <b>3.19</b>      |

| Per Capita Use | Actual<br>FY 06-07<br>(gpcpd) | Actual<br>FY 07-08<br>(gpcpd) | Actual<br>FY 08-09<br>(gpcpd)* | Actual<br>FY 09-10<br>(gpcpd) |
|----------------|-------------------------------|-------------------------------|--------------------------------|-------------------------------|
| Residential    | 152                           | 149                           | 105                            | 94                            |
| Gross          | 347                           | 369                           | 236                            | 226                           |

\* The City of Menlo Park recounted its service population during FY 2008-09 and adjusted it up from 10,308 to 14,139.

## Facilities and Distribution

### Storage Reservoirs

| Designation  | Type    | Capacity<br>(mg) |
|--------------|---------|------------------|
| Reservoir 1  | Storage | 2.0              |
| Reservoir 2  | Storage | 3.5              |
| <b>Total</b> |         | <b>5.5</b>       |

### Interties

| Name             | No. | Diameter<br>(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                   | 26,130  |
| Number of Accounts                   | 7,973   |
| Number of SFPUC Connections          | 2   |
| Connections To SFPUC Mains           | BDPL 1 and 2, Crystal Springs Bypass Tunnel   |
| Avg. Day Demand (mgd)                | 2.85  |
| Avg. Day Purchases From SFPUC (mgd)  | 2.85  |
| % Demand Met With SFPUC Supplies     | 100%  |
| 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)                   | 13.0  |
| 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 SFPUC 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 SFPUC 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 SFPUC 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<br>FY 06-07<br>(ccf) | Actual<br>FY 07-08<br>(ccf) | Actual<br>FY 08-09<br>(ccf) | Actual<br>FY 09-10<br>(ccf) |
|-----------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| San Francisco Water   | 1,652,208                   | 1,583,791                   | 1,533,876                   | 1,390,831                   |
| Local Groundwater     | 0                           | 0                           | 0                           | 0                           |
| Surface Water         | 0                           | 0                           | 0                           | 0                           |
| Recycled Water        | 0                           | 0                           | 0                           | 0                           |
| Other                 | 0                           | 0                           | 0                           | 0                           |
| <b>Total</b>          | 1,652,208                   | 1,583,791                   | 1,533,876                   | 1,390,831                   |
| <b>mgd equivalent</b> | 3.39                        | 3.25                        | 3.14                        | 2.85                        |

### Demand by Sector

|                       |           |           |           |           |
|-----------------------|-----------|-----------|-----------|-----------|
| Residential           | 1,158,487 | 1,108,593 | 1,066,936 | 1,044,622 |
| Commercial/Industrial | 291,216   | 281,630   | 260,441   | 261,954   |
| Other                 | 105,345   | 109,194   | 106,428   | 88,623    |
| Unaccounted for       | 97,160    | 84,374    | 100,071   | -4,368    |
| <b>Total</b>          | 1,652,208 | 1,583,791 | 1,533,876 | 1,390,831 |
| <b>mgd equivalent</b> | 3.39      | 3.25      | 3.14      | 2.85      |

| Per Capita Use | Actual<br>FY 06-07<br>(gpcpd) | Actual<br>FY 07-08<br>(gpcpd) | Actual<br>FY 08-09<br>(gpcpd) | Actual<br>FY 09-10<br>(gpcpd) |
|----------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Residential    | 91                            | 87                            | 84                            | 82                            |
| Gross          | 130                           | 125                           | 121                           | 109                           |

## Facilities and Distribution

### Storage Reservoirs

| Designation    | Type  | Capacity<br>(mg) | Designation     | Type  | Capacity<br>(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 | 1.50             | 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             |                 |       |                  |
| <b>Total</b>   |       |                  |                 |       | 13.00            |

### Interties

| Name         | No. | Diameter<br>(in.) | Name             | No. | Diameter<br>(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                   | 21,387  |
| Number of Accounts                   | 6,502   |
| Number of SFPUC Connections          | 5   |
| Connections To SFPUC Mains           | Murchison, Greenhills, Park, 195 ECR, Helen   |
| Avg. Day Demand (mgd)                | 2.26  |
| Avg. Day Purchases From SFPUC (mgd)  | 2.24  |
| % Demand Met With SFPUC Supplies     | 99.4%   |
| Maximum Local Water Production (mgd) | 0   |
| Alternative Supply Sources           | None  |
| Interties With Other Agencies        | Burlingame  |
| Local Storage (mg)                   | 2.6   |
| 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 in pending completion of a Master Plan. |

#### Summary

The City of Millbrae's only source of water is the SFPUC, delivered through 5 turnouts. Hetch Hetchy water purchased from the SFPUC 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), 6 storage tanks (only 4 are in operation), 546 hydrants, and 69.7 miles of water mains.

## Water Supply and Demand

| Supply by Source      | Actual<br>FY 06-07<br>(ccf) | Actual<br>FY 07-08<br>(ccf) | Actual<br>FY 08-09<br>(ccf) | Actual<br>FY 09-10<br>(ccf) |
|-----------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| San Francisco Water   | 1,194,450                   | 1,199,327                   | 1,168,008                   | 1,094,867                   |
| Local Groundwater     | 0                           | 0                           | 0                           | 0                           |
| Surface Water         | 0                           | 0                           | 0                           | 0                           |
| Recycled Water        | 0                           | 0                           | 11,712                      | 6,684                       |
| Other                 | 0                           | 0                           | 0                           | 0                           |
| <b>Total</b>          | 1,194,450                   | 1,199,327                   | 1,179,720                   | 1,101,551                   |
| <b>mgd equivalent</b> | 2.45                        | 2.46                        | 2.42                        | 2.26                        |

### Demand by Sector

|                       |           |           |           |           |
|-----------------------|-----------|-----------|-----------|-----------|
| Residential           | 834,236   | 834,788   | 790,531   | 731,063   |
| Commercial/Industrial | 118,150   | 188,010   | 173,222   | 166,457   |
| Other                 | 202,612   | 147,876   | 141,290   | 48,922    |
| Dedicated Irrigation  | 0         | 0         | 0         | 74,097    |
| Unaccounted for       | 39,452    | 28,653    | 74,677    | 81,012    |
| <b>Total</b>          | 1,194,450 | 1,199,327 | 1,179,720 | 1,101,551 |
| <b>mgd equivalent</b> | 2.45      | 2.46      | 2.42      | 2.26      |

| Per Capita Use              | Actual<br>FY 06-07<br>(gpcpd) | Actual<br>FY 07-08<br>(gpcpd) | Actual<br>FY 08-09<br>(gpcpd) | Actual<br>FY 09-10<br>(gpcpd) |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Residential                 | 83                            | 83                            | 76                            | 70                            |
| Gross (less recycled water) | 118                           | 119                           | 113                           | 106                           |

## Facilities and Distribution

### Storage Reservoirs

| Designation    | Type  | Capacity<br>(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             |
| Storage Tank 6 | Steel | 0.25             |
| <b>Total</b>   |       | 2.61             |

### Interties

| Name       | No. | Diameter<br>(in.) |
|------------|-----|-------------------|
| Burlingame | 5   | 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                   | 70,817   |
| Number of Accounts                   | 16,514   |
| Number of SFPUC Connections          | 4 - Sunnyhills (Washington), Calaveras, Main (Hammond), and Gibraltar Tank (intertie).         |
| Connections To SFPUC Mains           | BDPL 3 and 4   |
| Avg. Day Demand (mgd)                | 10.00  |
| Avg. Day Purchases From SFPUC (mgd)  | 6.24   |
| % Demand Met With SFPUC Supplies     | 62.4%  |
| 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 SFPUC, while the remaining areas are supplied by SCVWD. With few exceptions, residents receive SFPUC water, while industrial and commercial areas receive SCVWD water. The City does not blend SFPUC 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 SFPUC-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 SBWR.

## Water Supply and Demand

| Supply by Source      | Actual<br>FY 06-07<br>(ccf) | Actual<br>FY 07-08<br>(ccf) | Actual<br>FY 08-09<br>(ccf) | Actual<br>FY 09-10<br>(ccf) |
|-----------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| San Francisco Water   | 3,363,685                   | 3,346,012                   | 3,373,223                   | 3,044,020                   |
| Santa Clara Valley WD | 1,763,531                   | 1,791,890                   | 1,683,070                   | 1,459,979                   |
| Recycled Water        | 377,818                     | 411,035                     | 414,472                     | 374,859                     |
| Other                 | 0                           | 0                           | 0                           | 0                           |
| <b>Total</b>          | <b>5,505,034</b>            | <b>5,548,937</b>            | <b>5,470,765</b>            | <b>4,878,858</b>            |
| <b>mgd equivalent</b> | <b>11.28</b>                | <b>11.37</b>                | <b>11.21</b>                | <b>10.00</b>                |

### Demand by Sector

|                       |                  |                  |                  |                  |
|-----------------------|------------------|------------------|------------------|------------------|
| Residential           | 2,319,350        | 2,380,541        | 2,249,405        | 2,124,602        |
| Commercial/Industrial | 1,665,442        | 1,496,441        | 1,372,668        | 1,251,999        |
| Other                 | 1,123,338        | 1,199,111        | 1,120,611        | 546,856          |
| Dedicated Irrigation  | 0                | 0                | 0                | 590,328          |
| Unaccounted for       | 396,904          | 472,844          | 728,081          | 365,073          |
| <b>Total</b>          | <b>5,505,034</b> | <b>5,548,937</b> | <b>5,470,765</b> | <b>4,878,858</b> |
| <b>mgd equivalent</b> | <b>11.28</b>     | <b>11.37</b>     | <b>11.21</b>     | <b>10.00</b>     |

| Per Capita Use              | Actual<br>FY 06-07<br>(gpcpd) | Actual<br>FY 07-08<br>(gpcpd) | Actual<br>FY 08-09<br>(gpcpd) | Actual<br>FY 09-10<br>(gpcpd) |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Residential                 | 73                            | 70                            | 65                            | 61                            |
| Gross (Less Recycled Water) | 162                           | 152                           | 146                           | 141                           |

## Facilities and Distribution

### Storage Reservoirs

| Designation        | Type                 | Capacity<br>(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             |
| <b>Total</b>       |                      | <b>16.26</b>     |

### Wells

| Name         | Capacity<br>(mgd) | Status |
|--------------|-------------------|--------|
| Pinewood*    | 1.7               | Active |
| <b>Total</b> | <b>1.7</b>        |        |

\*Emergency use

### Interties

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

\*Emergency and Isolation Valves included.

## City of Mountain View

Public Services Department  
231 North Whisman Road  
Mountain View, California 94043

Phone: (650) 903-6329 Fax: (650) 903-6768

Web: <http://www.ci.mtnview.ca.us>

### 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                   | 75,787  |
| Number of Accounts                   | 17,389  |
| Number of SFPUC Connections          | 2 turnouts/ 6 meters  |
| Connections To SFPUC Mains           | BDPL 3 and 4  |
| Avg. Day Demand (mgd)                | 10.41   |
| Avg. Day Purchases From SFPUC (mgd)  | 8.88  |
| % Demand Met With SFPUC Supplies     | 85.3%   |
| Maximum Local Water Production (mgd) | 7.1   |
| Alternative Supply Sources           | Local Groundwater   |
| Interties With Other Agencies        | Palo Alto, Sunnyvale, SCVWD, CWS  |
| Local Storage (mg)                   | 17.0  |
| Days of Storage                      | Note: With loss of SFPUC 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 SFPUC. Santa Clara Valley Water District supplies treated water and Mountain View groundwater. California Water Service also provides water to a small part of Mountain View. The system distributes water to three pressure zones via 175 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 7 active wells (one currently out of service) and 1 standby well. 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. The standby well can be plumbed to serve all three zones.

## Water Supply and Demand

| Supply by Source                        | Actual<br>FY 06-07<br>(ccf) | Actual<br>FY 07-08<br>(ccf) | Actual<br>FY 08-09<br>(ccf) | Actual<br>FY 09-10<br>(ccf) |
|---|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| San Francisco Water                     | 5,349,361                   | 5,074,103                   | 4,788,905                   | 4,332,561                   |
| Santa Clara Valley WD                   | 590,560                     | 520,076                     | 586,992                     | 442,180                     |
| Local Groundwater                       | 72,024                      | 180,155                     | 172,059                     | 189,877                     |
| Recycled Water                          | 0                           | 0                           | 0                           | 116,116                     |
| Other (irrigation well for golf links)* | 104,500                     | 0                           | 0                           | 4                           |
| <b>Total</b>                            | <b>6,116,445</b>            | <b>5,774,334</b>            | <b>5,547,956</b>            | <b>5,080,738</b>            |
| <b>mgd equivalent</b>                   | <b>12.53</b>                | <b>11.83</b>                | <b>11.37</b>                | <b>10.41</b>                |

### Demand by Sector

|                        |                  |                  |                  |                  |
|------------------------|------------------|------------------|------------------|------------------|
| Residential            | 3,064,792        | 3,050,492        | 2,874,724        | 2,670,575        |
| Commercial/Industrial  | 1,097,264        | 1,120,375        | 1,060,416        | 972,467          |
| Other                  | 1,239,100        | 1,280,160        | 1,148,093        | 13,674           |
| Dedicated Irrigation   | 0                | 0                | 0                | 950,104          |
| Flushing and fire flow | 23,991           | 10,947           | 7,698            | 0                |
| Unaccounted for*       | 691,298          | 312,360          | 457,025          | 473,918          |
| <b>Total</b>           | <b>6,116,445</b> | <b>5,774,334</b> | <b>5,547,956</b> | <b>5,080,738</b> |
| <b>mgd equivalent</b>  | <b>12.53</b>     | <b>11.83</b>     | <b>11.37</b>     | <b>10.41</b>     |

\*Shoreline irrigation well water is metered but not billed; therefore, these usage figures should be excluded from reported unaccounted for totals."

| Per Capita Use | Actual<br>FY 06-07<br>(gpcpd) | Actual<br>FY 07-08<br>(gpcpd) | Actual<br>FY 08-09<br>(gpcpd) | Actual<br>FY 09-10<br>(gpcpd) |
|----------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Residential    | 86                            | 85                            | 79                            | 72                            |
| Gross          | 171                           | 160                           | 152                           | 137                           |

## Facilities and Distribution

### Storage Reservoirs

| Designation  | Type     | Capacity<br>(gallons) | Designation | Type              | Capacity<br>(gallons) |
|--------------|----------|-----------------------|-------------|-------------------|-----------------------|
| Miramonte    | Concrete | 700,000               | Whisman     | Concrete          | 6,000,000             |
| Miramonte    | Concrete | 2,300,000             | Graham      | Concrete          | 8,000,000             |
| <b>Total</b> |          |                       |             | <b>17,000,000</b> |                       |

### Wells

| Name         | Capacity<br>(mgd) | Status  | Name       | Capacity<br>(mgd) | Status |
|--------------|-------------------|---------|------------|-------------------|--------|
| Well 9       | 0.7               | Standby | Well 20    | 1.5               | Active |
| Well 10      | 1.2               | Active  | Well 21    | 1.1               | Active |
| Well 17      | 0.2               | Active  | Well 22    | 1.1               | Active |
| Well 19      | 0.7               | OOS     | Well 23*   | 1.3               | Active |
| <b>Total</b> |                   |         | <b>7.8</b> |                   |        |

**Interties**

| <b>Name</b> | <b>No.</b> | <b>Diameter (in.)</b> | <b>Name</b> | <b>No.</b> | <b>Diameter (in.)</b> |
|-------------|------------|-----------------------|-------------|------------|-----------------------|
| Palo Alto   | 2          | 6                     | SCVWD       | 1          | 24                    |
| Sunnyvale   | 3          | 6, 8, 8               |             |            |                       |



## 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                   | 40,401  |
| Number of Accounts                   | 12,412  |
| Number of SFPUC Connections          | 1   |
| Connections To SFPUC Mains           | San Andreas 3   |
| Avg. Day Demand (mgd)                | 3.02  |
| Avg. Day Purchases From SFPUC (mgd)  | 3.02  |
| % Demand Met With SFPUC Supplies     | 100%  |
| 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 SFPUC 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<br>FY 06-07<br>(ccf) | Actual<br>FY 07-08<br>(ccf) | Actual<br>FY 08-09<br>(ccf) | Actual<br>FY 09-10<br>(ccf) |
|-------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| San Francisco Water     | 1,418,174                   | 1,582,423                   | 1,632,364                   | 1,471,838                   |
| Westborough CWD (SFPUC) | 120,041                     | 0                           | 0                           | 0                           |
| Recycled Water          | 0                           | 0                           | 0                           | 0                           |
| Other                   | 0                           | 0                           | 0                           | 0                           |
| <b>Total</b>            | <b>1,538,215</b>            | <b>1,582,423</b>            | <b>1,632,364</b>            | <b>1,471,838</b>            |
| <b>mgd equivalent</b>   | <b>3.15</b>                 | <b>3.24</b>                 | <b>3.35</b>                 | <b>3.02</b>                 |

### Demand by Sector

|                       |                  |                  |                  |                  |
|-----------------------|------------------|------------------|------------------|------------------|
| Residential           | 1,187,648        | 1,155,924        | 1,115,208        | 1,075,686        |
| Commercial/Industrial | 107,598          | 157,995          | 104,548          | 93,985           |
| Other                 | 121,811          | 127,712          | 308,539          | 90,391           |
| Dedicated Irrigation  | 0                | 0                | 0                | 31,804           |
| Unaccounted for       | 121,158          | 140,792          | 104,069          | 179,972          |
| <b>Total</b>          | <b>1,538,215</b> | <b>1,582,423</b> | <b>1,632,364</b> | <b>1,471,838</b> |
| <b>mgd equivalent</b> | <b>3.15</b>      | <b>3.24</b>      | <b>3.35</b>      | <b>3.02</b>      |

| Per Capita Use | Actual<br>FY 06-07<br>(gpcpd) | Actual<br>FY 07-08<br>(gpcpd) | Actual<br>FY 08-09<br>(gpcpd) | Actual<br>FY 09-10<br>(gpcpd) |
|----------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Residential    | 79                            | 59                            | 57                            | 55                            |
| Gross          | 61                            | 81                            | 84                            | 75                            |

### Facilities and Distribution

#### Potable Storage Reservoirs

| Designation   | Capacity<br>(gallons) |
|---------------|-----------------------|
| 13 Reservoirs | 23,550,000            |
| <b>Total</b>  | <b>23,550,000</b>     |

#### Recycled Surface Water Treatment Facilities

| Designation   | Capacity (mgd) |
|---------------|----------------|
| San Pedro WTP | 0.5            |

#### Recycled Water

| Designation      | Capacity (mgd) |
|------------------|----------------|
| Central District | 0.3            |

#### Interties

| Name      | No. | Diameter<br>(in.) |
|-----------|-----|-------------------|
| San Bruno | 2   | 10                |
| Daly City | 2   | 6, 8              |

| Name        | No. | Diameter<br>(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                   | 65,408   |
| Number of Accounts                   | 20,141   |
| Number of SFPUC Connections          | 5  |
| Connections To SFPUC Mains           | Palo Alto Pipeline, BDPL 3 and 4   |
| Avg. Day Demand (mgd)                | 11.71  |
| Avg. Day Purchases From SFPUC (mgd)  | 10.99  |
| % Demand Met With SFPUC Supplies     | 93.8%  |
| Maximum Local Water Production (mgd) | 0.72 – Currently 7 emergency wells, one more to be constructed by 2012 (EC Park)   |
| 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)                   | 10.5 (one 2.5 MG reservoir to be constructed by 2012)  |
| Days of Storage                      | 0.8 – Currently, Palo Alto water system can independently supply 2.5 hr of the 8 hr criteria under max. day demands for emergency use, assuming all existing 5 reservoirs are full, and 5 standby wells are operational – Source 1999 Study, Fig. ES.3 |

### Summary

The City of Palo Alto's primary source of water is the SFPUC, 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, 6 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.

Local groundwater wells do not meet secondary drinking water standards for iron and manganese without additional treatment. To improve the capacity of the local water distribution system for providing water during an emergency event, Palo Alto has begun a program to rehabilitate the 5 existing wells, construct 3 new wells, and construct a new

2.5 million gallon emergency water storage reservoir. The new and rehabilitated wells would be used only for emergency supplies.

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<br>FY 06-07<br>(ccf) | Actual<br>FY 07-08<br>(ccf) | Actual<br>FY 08-09<br>(ccf) | Actual<br>FY 09-10<br>(ccf) |
|-----------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| San Francisco Water   | 6,361,100                   | 6,205,790                   | 5,677,018                   | 5,362,816                   |
| Local Groundwater     | 0                           | 0                           | 0                           | 0                           |
| Recycled Water        | 417,000                     | 415,025                     | 324,323                     | 352,532                     |
| Other                 | 0                           | 0                           | 0                           | 0                           |
| <b>Total</b>          | <b>6,778,100</b>            | <b>6,620,815</b>            | <b>6,001,341</b>            | <b>5,715,348</b>            |
| <b>mgd equivalent</b> | <b>13.89</b>                | <b>13.57</b>                | <b>12.30</b>                | <b>11.71</b>                |

### Demand by Sector

|                       |                  |                  |                  |                  |
|-----------------------|------------------|------------------|------------------|------------------|
| Residential           | 3,582,243        | 3,536,215        | 3,309,616        | 3,074,287        |
| Commercial/Industrial | 1,516,299        | 1,576,218        | 1,574,190        | 1,149,537        |
| Other                 | 799,061          | 829,236          | 835,642          | 641,834          |
| Dedicated Irrigation  | 0                | 0                | 0                | 440,629          |
| Unaccounted for       | 880,497          | 679,146          | 281,893          | 409,061          |
| <b>Total</b>          | <b>6,778,100</b> | <b>6,620,815</b> | <b>6,001,341</b> | <b>5,715,348</b> |
| <b>mgd equivalent</b> | <b>13.89</b>     | <b>13.57</b>     | <b>12.30</b>     | <b>11.71</b>     |

| Per Capita Use              | Actual<br>FY 06-07<br>(gpcpd) | Actual<br>FY 07-08<br>(gpcpd) | Actual<br>FY 08-09<br>(gpcpd) | Actual<br>FY 09-10<br>(gpcpd) |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Residential                 | 118                           | 114                           | 107                           | 96                            |
| Gross (Less Recycled Water) | 210                           | 200                           | 184                           | 179                           |

### Facilities and Distribution

#### Storage Reservoirs

| Designation  | Type     | Capacity<br>(gallons) | Designation  | Type  | Capacity<br>(gallons) |
|--------------|----------|-----------------------|--------------|-------|-----------------------|
| Mayfield     | Concrete | 4,000,000             | Dahl         | Steel | 1,000,000             |
| Boronda      | Concrete | 1,500,000             | Montebello   | Steel | 1,500,000             |
| Corte Madera | Steel    | 1,500,000             | Park         | Steel | 1,000,000             |
|              |          |                       | <b>Total</b> |       | <b>10,500,000</b>     |

**Wells**

| <b>Name</b>    | <b>Capacity<br/>(mgd)</b> | <b>Status</b>                         |
|----------------|---------------------------|---------------------------------------|
| Eleanor Pardee | 1.44                      | Operational; new                      |
| El Camino Park | 1.44                      | Operational; new                      |
| Fernando       | 1.01                      | Currently being refurbished; existing |
| Hale           | 2.09                      | Currently being refurbished; existing |
| Library        | 0.86                      | Operational; new                      |
| Matadero       | 1.01                      | Currently being refurbished; existing |
| Peers*         | 2.45                      | Currently being refurbished; existing |
| Rinconada      | 4.75                      | Currently being refurbished; existing |
| <b>Total</b>   | <b>15.05</b>              |                                       |

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

**Interties**

| <b>Name</b>        | <b>No.</b> | <b>Diameter<br/>(in.)</b> |
|--------------------|------------|---------------------------|
| East Palo Alto     | 1          | 6                         |
| Mountain View      | 2          | 6                         |
| Stanford           | 2          | 8                         |
| Purissima Hills WD | 2          | 8, 12                     |



## Purissima Hills Water District

26375 Fremont Road  
 Los Altos Hills, California 94022-2699  
 Phone: (650) 948-1217 Fax: (650) 948-0961

### Service Area

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

### System

#### Profile

|                                      |   |
|--------------------------------------|---|
| Area Size                            | 8,600 acres   |
| Service Population                   | 6,060   |
| Number of Accounts                   | 2,128   |
| Number of SFPUC Connections          | 2   |
| Connections To SFPUC Mains           | BDPL 3 and 4  |
| Avg. Day Demand (mgd)                | 1.75  |
| Avg. Day Purchases From SFPUC (mgd)  | 1.75  |
| % Demand Met With SFPUC Supplies     | 100%  |
| 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 SFPUC 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, 14 pumps, and 80 miles of pipe.

## Water Supply and Demand

| Supply by Source      | Actual<br>FY 06-07<br>(ccf) | Actual<br>FY 07-08<br>(ccf) | Actual<br>FY 08-09<br>(ccf) | Actual<br>FY 09-10<br>(ccf) |
|-----------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| San Francisco Water   | 1,112,291                   | 1,124,922                   | 980,987                     | 854,854                     |
| Recycled Water        | 0                           | 0                           | 0                           | 0                           |
| Other                 | 0                           | 0                           | 0                           | 0                           |
| <b>Total</b>          | 1,112,291                   | 1,124,922                   | 980,987                     | 854,854                     |
| <b>Mgd equivalent</b> | 2.28                        | 2.31                        | 2.01                        | 1.75                        |

### Demand by Sector

|                       |           |           |         |         |
|-----------------------|-----------|-----------|---------|---------|
| Residential           | 955,474   | 985,962   | 893,723 | 757,974 |
| Commercial/Industrial | 0         | 0         | 0       | 0       |
| Other                 | 66,086    | 76,645    | 62,242  | 45,155  |
| Dedicated Irrigation  | 0         | 0         | 0       | 6,163   |
| Unaccounted for       | 90,731    | 62,315    | 25,022  | 45,562  |
| <b>Total</b>          | 1,112,291 | 1,124,922 | 980,987 | 854,854 |
| <b>Mgd equivalent</b> | 2.28      | 2.31      | 2.01    | 1.75    |

| Per Capita Use | Actual<br>FY 06-07<br>(gpcpd) | Actual<br>FY 07-08<br>(gpcpd) | Actual<br>FY 08-09<br>(gpcpd) | Actual<br>FY 09-10<br>(gpcpd) |
|----------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Residential    | 324                           | 334                           | 303                           | 256                           |
| Gross          | 377                           | 381                           | 332                           | 289                           |

## Facilities and Distribution

### Storage Reservoirs

| Designation  | Type          | Capacity<br>(gallons) | Designation | Type          | Capacity<br>(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               |             |               |                       |
| <b>Total</b> |               |                       |             |               | 9,880,000             |

### Interties

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

## City of Redwood City

Public Works Services Department

1400 Broadway

Redwood City, California 94063-2505

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

Web: <http://www.redwoodcity.org/publicworks/water/index.html>

### 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                   | 85,098   |
| Number of Accounts                   | 23,166   |
| Number of SFPUC Connections          | 13   |
| Connections To SFPUC Mains           | Bay Crossing 1 and 2, BDPL 1 and 2, BDPL 3 and 4   |
| Avg. Day Demand (mgd)                | 10.02  |
| Avg. Day Purchases From SFPUC (mgd)  | 9.61   |
| % Demand Met With SFPUC Supplies     | 95.9%  |
| Maximum Local Water Production (mgd) | 0  |
| Alternative Supply Sources           | Recycled water for landscape irrigation  |
| 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 SFPUC 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<br>FY 06-07<br>(ccf) | Actual<br>FY 07-08<br>(ccf) | Actual<br>FY 08-09<br>(ccf) | Actual<br>FY 09-10<br>(ccf) |
|-----------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| San Francisco Water   | 5,694,374                   | 5,711,397                   | 5,048,309                   | 4,689,257                   |
| Recycled Water        | 6,871                       | 112,384                     | 42,705                      | 201,867                     |
| Other                 | 0                           | 0                           | 0                           | 0                           |
| <b>Total</b>          | <b>5,701,245</b>            | <b>5,823,781</b>            | <b>5,091,014</b>            | <b>4,891,124</b>            |
| <b>mgd equivalent</b> | <b>11.68</b>                | <b>11.93</b>                | <b>10.43</b>                | <b>10.02</b>                |

### Demand by Sector

|                       |                  |                  |                  |                  |
|-----------------------|------------------|------------------|------------------|------------------|
| Residential           | 3,760,348        | 3,631,006        | 3,494,504        | 3,037,782        |
| Commercial/Industrial | 1,538,003        | 1,378,552        | 1,313,361        | 827,258          |
| Other                 | 73,906           | 140,770          | 72,246           | 233,756          |
| Dedicated Irrigation  | 0                | 0                | 0                | 388,035          |
| Unaccounted for       | 328,988          | 673,453          | 210,903          | 404,293          |
| <b>Total</b>          | <b>5,701,245</b> | <b>5,823,781</b> | <b>5,091,014</b> | <b>4,891,124</b> |
| <b>mgd equivalent</b> | <b>11.68</b>     | <b>11.93</b>     | <b>10.43</b>     | <b>10.02</b>     |

| Per Capita Use              | Actual<br>FY 06-07<br>(gpcpd) | Actual<br>FY 07-08<br>(gpcpd) | Actual<br>FY 08-09<br>(gpcpd) | Actual<br>FY 09-10<br>(gpcpd) |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Residential                 | 92                            | 89                            | 85                            | 73                            |
| Gross (Less Recycled Water) | 139                           | 140                           | 123                           | 118                           |

## Facilities and Distribution

### Storage Reservoirs

| Designation      | Type  | Capacity<br>(mg) | Designation    | Type  | Capacity<br>(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             |
| <b>Total</b>     |       |                  |                |       | <b>21.24</b>     |

### Interties

| Name                | No. | Diameter<br>(in.) | Name                  | No. | Diameter<br>(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](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                   | 12,142  |
| Number of SFPUC Connections          | 5   |
| Connections To SFPUC Mains           | Crystal Springs # 2 and #3, San Andreas 1, 2, and 3, Sunset Pipeline  |
| Avg. Day Demand (mgd)                | 3.65  |
| Avg. Day Purchases From SFPUC (mgd)  | 1.51  |
| % Demand Met With SFPUC Supplies     | 41.3%   |
| 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.

SFPUC 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 SFPUC; the combined water supply meets all MCLs.

## Water Supply and Demand

| Supply by Source        | Actual<br>FY 06-07<br>(ccf) | Actual<br>FY 07-08<br>(ccf) | Actual<br>FY 08-09<br>(ccf) | Actual<br>FY 09-10<br>(ccf) |
|-------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| San Francisco Water     | 906,722                     | 968,953                     | 925,521                     | 714,539                     |
| North Coast CWD (SFPUC) | 19,069                      | 26,472                      | 22,172                      | 20,903                      |
| Local Groundwater       | 895,311                     | 913,139                     | 929,969                     | 1,045,262                   |
| Surface Water           | 0                           | 0                           | 0                           | 0                           |
| Recycled Water          | 0                           | 0                           | 0                           | 0                           |
| Other                   | 0                           | 0                           | 0                           | 0                           |
| <b>Total</b>            | <b>1,821,102</b>            | <b>1,908,564</b>            | <b>1,877,662</b>            | <b>1,780,704</b>            |
| <b>mgd equivalent</b>   | <b>3.73</b>                 | <b>3.91</b>                 | <b>3.85</b>                 | <b>3.65</b>                 |

### Demand by Sector

|                       |                  |                  |                  |                  |
|-----------------------|------------------|------------------|------------------|------------------|
| Residential           | 1,376,078        | 1,356,917        | 1,297,104        | 1,236,845        |
| Commercial/Industrial | 340,999          | 358,282          | 340,486          | 306,564          |
| Other                 | 96,538           | 96,523           | 84,502           | 66,388           |
| Unaccounted for       | 7,487            | 96,842           | 155,570          | 170,907          |
| <b>Total</b>          | <b>1,821,102</b> | <b>1,908,564</b> | <b>1,877,662</b> | <b>1,780,704</b> |
| <b>mgd equivalent</b> | <b>3.73</b>      | <b>3.91</b>      | <b>3.85</b>      | <b>3.65</b>      |

| Per Capita Use | Actual<br>FY 06-07<br>(gpcpd) | Actual<br>FY 07-08<br>(gpcpd) | Actual<br>FY 08-09<br>(gpcpd) | Actual<br>FY 09-10<br>(gpcpd) |
|----------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Residential    | 70                            | 69                            | 66                            | 58                            |
| Gross          | 93                            | 97                            | 96                            | 83                            |

## Facilities and Distribution

### Storage Reservoirs

| Designation     | Type     | Capacity<br>(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               |
| <b>Total</b>    |          | <b>8,300,000</b>      |

**Wells**

| <b>Name</b>  | <b>Capacity<br/>(mgd)</b> | <b>Status</b> |
|--------------|---------------------------|---------------|
| 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        |
| <b>Total</b> | <b>2.52</b>               |               |

**Interties**

| <b>Name</b> | <b>No.</b> | <b>Diameter<br/>(in.)</b> |
|-------------|------------|---------------------------|
| North Coast | 2          | 21                        |
| CWS         | 1          | 8                         |



## City of San Jose San Jose Municipal Water System - North

3025 Tuers Road  
San Jose, California 95121

Phone: (408) 277-4218 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                   | 14,645  |
| Number of Accounts                   | 1,994 Potable, 65 Recycled, 360 Fire  |
| Number of SFPUC Connections          | 2   |
| Connections To SFPUC Mains           | BDPL 3 and 4  |
| Avg. Day Demand (mgd)                | 4.48 Potable and Recycled   |
| Avg. Day Purchases From SFPUC (mgd)  | 4.10  |
| % Demand Met With SFPUC Supplies     | 91.4%   |
| 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 SFPUC through two turnouts off the Bay Division Pipelines 3 and 4. The SFPUC 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 SFPUC supply during high flow periods.

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. An intertie with the City of Santa Clara can be activated within 2 hours.

## Water Supply and Demand

| Supply by Source      | Actual<br>FY 06-07<br>(ccf) | Actual<br>FY 07-08<br>(ccf) | Actual<br>FY 08-09<br>(ccf) | Actual<br>FY 09-10<br>(ccf) |
|-----------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| San Francisco Water   | 2,321,769                   | 2,394,495                   | 2,185,349                   | 1,998,932                   |
| Local Groundwater     | 0                           | 17                          | 0                           | 0                           |
| Recycled Water        | 247,479                     | 279,519                     | 251,897                     | 188,986                     |
| Other                 | 0                           | 0                           | 0                           | 0                           |
| <b>Total</b>          | <b>2,569,248</b>            | <b>2,674,031</b>            | <b>2,437,246</b>            | <b>2,187,918</b>            |
| <b>mgd equivalent</b> | <b>5.27</b>                 | <b>5.48</b>                 | <b>4.99</b>                 | <b>4.48</b>                 |

### Demand by Sector

|                       |                  |                  |                  |                  |
|-----------------------|------------------|------------------|------------------|------------------|
| Residential           | 650,866          | 698,347          | 521,171          | 512,882          |
| Commercial/Industrial | 1,534,792        | 1,615,408        | 924,955          | 822,788          |
| Other                 | 1,302,097        | 1,155,585        | 978,378          | 259,611          |
| Dedicated Irrigation  | 0                | 0                | 0                | 562,564          |
| Unaccounted for       | -918,507         | -795,309         | 12,742           | 30,073           |
| <b>Total</b>          | <b>2,569,248</b> | <b>2,674,031</b> | <b>2,437,246</b> | <b>2,187,918</b> |
| <b>mgd equivalent</b> | <b>5.27</b>      | <b>5.48</b>      | <b>4.99</b>      | <b>4.48</b>      |

| Per Capita Use              | Actual<br>FY 06-07<br>(gpcpd) | Actual<br>FY 07-08<br>(gpcpd) | Actual<br>FY 08-09<br>(gpcpd) | Actual<br>FY 09-10<br>(gpcpd) |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Residential                 | 98                            | 95                            | 63                            | 69                            |
| Gross (Less Recycled Water) | 350                           | 332                           | 265                           | 293                           |

## Facilities and Distribution

### Storage Reservoirs

| Designation    | Type  | Capacity<br>(mg) |
|----------------|-------|------------------|
| Storage Tank 1 | Steel | 3                |
| Storage Tank 2 | Steel | 3                |
| <b>Total</b>   |       | <b>6</b>         |

### Wells

| Name         | Capacity<br>(mgd) | Status  | Name   | Capacity<br>(mgd) | Status  |
|--------------|-------------------|---------|--------|-------------------|---------|
| Well 1       | 2.0               | Standby | Well 3 | 2.0               | Standby |
| Well 2       | 2.0               | Active  | Well 4 | 2.0               | Active  |
| <b>Total</b> | <b>8.0</b>        |         |        |                   |         |

### Interties

| Name        | No. | Diameter<br>(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/index.aspx?page=257>

### 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                   | 118,830   |
| Number of Accounts                   | 25,800  |
| Number of SFPUC Connections          | 2   |
| Connections To SFPUC Mains           | BDPL 3 and 4  |
| Avg. Day Demand (mgd)                | 20.78   |
| Avg. Day Purchases From SFPUC (mgd)  | 2.27  |
| % Demand Met With SFPUC Supplies     | 10.9%   |
| 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)                   | 27.3  |
| 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 SFPUC and SCVWD. Two SFPUC 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 Plant 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<br>FY 06-07<br>(ccf) | Actual<br>FY 07-08<br>(ccf) | Actual<br>FY 08-09<br>(ccf) | Actual<br>FY 09-10<br>(ccf) |
|-----------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| San Francisco Water   | 2,106,452                   | 1,618,029                   | 1,307,380                   | 1,105,658                   |
| Santa Clara Valley WD | 1,889,425                   | 1,836,125                   | 1,844,895                   | 6,150,700                   |
| Local Groundwater     | 6,692,571                   | 6,989,003                   | 6,638,743                   | 1,043,046                   |
| Recycled Water        | 1,318,850                   | 1,339,497                   | 1,061,898                   | 1,839,925                   |
| Other                 | 0                           | 0                           | 0                           | 0                           |
| <b>Total</b>          | 12,007,298                  | 11,782,654                  | 10,852,916                  | 10,139,329                  |
| <b>mgd equivalent</b> | 24.61                       | 24.15                       | 22.24                       | 20.78                       |

### Demand by Sector

|                       |            |            |            |            |
|-----------------------|------------|------------|------------|------------|
| Residential           | 5,229,349  | 5,109,682  | 4,909,184  | 4,505,829  |
| Commercial/Industrial | 5,441,549  | 5,258,266  | 4,756,270  | 2,634,777  |
| Other                 | 1,020,559  | 1,043,829  | 870,896    | 1,421,161  |
| Dedicated Irrigation  | 0          | 0          | 0          | 1,271,243  |
| Unaccounted for       | 315,841    | 370,877    | 316,566    | 306,319    |
| <b>Total</b>          | 12,007,298 | 11,782,654 | 10,852,916 | 10,139,329 |
| <b>mgd equivalent</b> | 24.61      | 24.15      | 22.24      | 20.78      |

| Per Capita Use              | Actual<br>FY 06-07<br>(gpcpd) | Actual<br>FY 07-08<br>(gpcpd) | Actual<br>FY 08-09<br>(gpcpd) | Actual<br>FY 09-10<br>(ccf) |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-----------------------------|
| Residential                 | 94                            | 92                            | 86                            | 78                          |
| Gross (Less Recycled Water) | 198                           | 187                           | 171                           | 175                         |

## Facilities and Distribution

### Storage Reservoirs

| Designation  | Type  | Capacity<br>(mg) |
|--------------|-------|------------------|
| Northside    | Steel | 9.4              |
| Serra        | Steel | 13.2             |
| Downtown     | Steel | 4.2              |
| Walsh        | Steel | 0.5              |
| <b>Total</b> |       | 27.3             |

**Wells**

| <b>Name</b> | <b>Capacity<br/>(mgd)</b> | <b>Status</b> |
|-------------|---------------------------|---------------|
| 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        |

| <b>Name</b> | <b>Capacity<br/>(mgd)</b> | <b>Status</b> |
|-------------|---------------------------|---------------|
| 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**

| <b>Name</b> | <b>No.</b> | <b>Diameter<br/>(in.)</b> |
|-------------|------------|---------------------------|
| SCVWD       | 1          | 10                        |



## Stanford University

327 Bonair Siding  
Stanford, California 94305-7272  
Phone: (650) 725-7864 Fax: (650) 723-3191

### 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                       | 27,491  |
| Number of Accounts                       | n/a   |
| Number of SFPUC Connections              | 3   |
| Connections To SFPUC Mains               | BDPL 3 and 4, 1 turnout off Palo Alto pipeline  |
| Avg. Day Demand (mgd)                    | 3.17  |
| Avg. Day Purchases From SFPUC (mgd)      | 2.14  |
| % Demand Met With SFPUC Supplies         | 67.5% (100% of drinking water)  |
| Average Day Local Water Production (mgd) | 1.03  |
| Alternative Supply Sources               | Local groundwater, surface water, recycled water**  |
| Interties With Other Agencies            | Palo Alto   |
| Local Storage (mg)                       | 8   |
| Days of Storage                          | 2.5 – All 3 zones can meet the 8 hr criteria either separately or by pumping from zones with excess capacity. Wells can supply an additional 3.7 mgd in an emergency. |

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

\*\* In FY-08-09, Stanford completed a recycled water plant that treats wastewater from the 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 SFPUC, groundwater, non-potable surface water from the local watershed, and recycled water.

SFPUC 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 about 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 SFPUC water.

## Water Supply and Demand

| Supply by Source      | Actual<br>FY 06-07<br>(ccf) | Actual<br>FY 07-08<br>(ccf) | Actual<br>FY 08-09<br>(ccf) | Actual<br>FY 09-10<br>(ccf) |
|-----------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| San Francisco Water   | 1,112,857                   | 1,125,377                   | 1,045,886                   | 1,043,864                   |
| Local Groundwater     | 69,533                      | 341,378                     | 285,628                     | 149,039                     |
| Surface Water         | 394,588                     | 255,917                     | 242,369                     | 352,508                     |
| Other                 | 0                           | 0                           | 37                          | 0                           |
| <b>Total</b>          | <b>1,576,978</b>            | <b>1,722,672</b>            | <b>1,573,920</b>            | <b>1,545,411</b>            |
| <b>mgd equivalent</b> | <b>3.23</b>                 | <b>3.53</b>                 | <b>3.23</b>                 | <b>3.17</b>                 |

### Demand by Sector

|                       |                  |                  |                  |                  |
|-----------------------|------------------|------------------|------------------|------------------|
| Residential           | 563,567          | 565,966          | 544,759          | 507,468          |
| Commercial/Industrial | 350,812          | 359,828          | 305,800          | 302,696          |
| Other                 | 639,186          | 794,321          | 747,105          | 728,732          |
| Unaccounted for       | 23,413           | 2,557            | -23,744          | 6,515            |
| <b>Total</b>          | <b>1,576,978</b> | <b>1,722,672</b> | <b>1,573,920</b> | <b>1,545,411</b> |
| <b>mgd equivalent</b> | <b>3.23</b>      | <b>3.53</b>      | <b>3.23</b>      | <b>3.17</b>      |

| Per Capita Use | Actual<br>FY 06-07<br>(gpcpd) | Actual<br>FY 07-08<br>(gpcpd) | Actual<br>FY 08-09<br>(gpcpd) | Actual<br>FY 09-10<br>(gpcpd) |
|----------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Residential    | n/a                           | n/a                           | n/a                           | n/a                           |
| Gross          | 117                           | 122                           | 118                           | 115                           |

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

## Facilities and Distribution

### Storage Reservoirs

| Designation  | Type | Capacity<br>(gallons) |
|--------------|------|-----------------------|
| Foothill 1   |      | 2,000,000             |
| Foothill 2   |      | 6,000,000             |
| San Juan*    |      | 0                     |
| <b>Total</b> |      | <b>8,000,000</b>      |

\*San Juan is currently out of service.

**Wells**

| <b>Name</b>  | <b>Capacity<br/>(gpm)</b> | <b>Status</b>             |
|--------------|---------------------------|---------------------------|
| Well 1       | 500                       | Active                    |
| Well 2       | 500                       | Active                    |
| Well 3R      | 1200                      | Active                    |
| Well 4R      | 400                       | Pending<br>CDPH<br>Permit |
| Well 5       | 500                       | Standby                   |
| <b>Total</b> | <b>3100*</b>              |                           |

**Interties**

| <b>Name</b> | <b>No.</b> | <b>Diameter<br/>(in.)</b> |
|-------------|------------|---------------------------|
| Palo Alto   | 2          | 8                         |

\*Actual total well capacity will be less than total indicated. Simultaneous pumping of wells will affect the individual well pumping rates.



## City of Sunnyvale

Public Works Department

P.O. Box 3707

Sunnyvale, California 94088-3707

Phone: (408) 730-7510 Fax: (408) 736-1611

Web: <http://sunnyvale.ca.gov/Departments/Public+Works/Water+Supply>

### 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                   | 138,826  |
| Number of Accounts                   | 25,476   |
| Number of SFPUC Connections          | 6  |
| Connections To SFPUC Mains           | BDPL 3 and 4   |
| Avg. Day Demand (mgd)                | 19.17  |
| Avg. Day Purchases From SFPUC (mgd)  | 9.78   |
| % Demand Met With SFPUC Supplies     | 51%  |
| 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 SFPUC 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 SFPUC 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 SFPUC 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<br>FY 06-07<br>(ccf) | Actual<br>FY 07-08<br>(ccf) | Actual<br>FY 08-09<br>(ccf) | Actual<br>FY 09-10<br>(ccf) |
|-----------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| San Francisco Water   | 4,505,138                   | 5,072,437                   | 5,181,026                   | 4,771,741                   |
| Santa Clara Valley WD | 4,652,075                   | 4,218,424                   | 4,064,148                   | 767,648                     |
| Local Groundwater     | 824,644                     | 846,202                     | 408,157                     | 578,995                     |
| Surface Water         | 0                           | 0                           | 0                           | 0                           |
| Recycled Water        | 905,153                     | 558,055                     | 715,691                     | 3,236,552                   |
| Other                 | 0                           | 0                           | 0                           | 0                           |
| <b>Total</b>          | <b>10,887,010</b>           | <b>10,695,118</b>           | <b>10,369,022</b>           | <b>9,354,936</b>            |
| <b>mgd equivalent</b> | <b>22.31</b>                | <b>21.92</b>                | <b>21.25</b>                | <b>19.17</b>                |

### Demand by Sector

|                       |                   |                   |                   |                  |
|-----------------------|-------------------|-------------------|-------------------|------------------|
| Residential           | 6,357,351         | 6,271,627         | 5,986,805         | 5,597,723        |
| Commercial/Industrial | 2,026,241         | 2,341,108         | 2,944,751         | 1,704,022        |
| Other                 | 1,790,232         | 1,866,583         | 535,768           | 508,202          |
| Dedicated Irrigation  | 0                 | 0                 | 0                 | 1,241,257        |
| Unaccounted for       | 713,186           | 215,800           | 901,698           | 303,732          |
| <b>Total</b>          | <b>10,887,010</b> | <b>10,695,118</b> | <b>10,369,022</b> | <b>9,354,936</b> |
| <b>mgd equivalent</b> | <b>22.31</b>      | <b>21.92</b>      | <b>21.25</b>      | <b>19.17</b>     |

| Per Capita Use              | Actual<br>FY 06-07<br>(gpcpd) | Actual<br>FY 07-08<br>(gpcpd) | Actual<br>FY 08-09<br>(gpcpd) | Actual<br>FY 09-10<br>(gpcpd) |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Residential                 | 97                            | 96                            | 89                            | 83                            |
| Gross (Less Recycled Water) | 153                           | 155                           | 144                           | 138                           |

### Facilities and Distribution

#### Storage Reservoirs

| Designation     | Type  | Capacity<br>(gallons) | Designation  | Type  | Capacity<br>(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               |
|                 |       |                       | <b>Total</b> |       | <b>27,500,000</b>     |

**Wells**

| <b>Name</b>   | <b>Capacity<br/>(mgd)</b> | <b>Status</b> |
|---------------|---------------------------|---------------|
| Westmoor      | 0.8                       | Active        |
| Serra         | 0.9                       | Active        |
| Ortega        | 2.0                       | Active        |
| Raynor        | 2.7                       | Active        |
| Hamilton (2). | 2.0                       | Active        |
| Losse         |                           | Standby       |
| Central       | 0.7                       | Active        |
| Schroeder     |                           | Destroyed     |
| <b>Total</b>  | 9.1                       |               |

**Interties**

| <b>Name</b>   | <b>No.</b> | <b>Diameter<br/>(in.)</b> |
|---------------|------------|---------------------------|
| SCVWD         | 2          | 30, 12                    |
| Santa Clara   | 3          | 10                        |
|               | 2          | 12                        |
|               | 1          | 8                         |
| CWS           | 5          | 6                         |
|               | 1          | 8                         |
| Cupertino     | 1          | 12                        |
| Mountain View | 2          | 8                         |
|               | 1          | 6                         |



## Westborough County Water District

2263 Westborough Boulevard  
 South San Francisco, California 94080-5406  
 Phone: (650) 589-1435 Fax: (650) 589-5167  
 Web: <http://www.guidetogov.org/ca/sm/dis/wstwd>

### 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                   | 12,690  |
| Number of Accounts                   | 3,878   |
| Number of SFPUC Connections          | 1   |
| Connections To SFPUC Mains           | San Andreas 1, 2, and 3   |
| Avg. Day Demand (mgd)                | 0.81  |
| Avg. Day Purchases From SFPUC (mgd)  | 0.81  |
| % Demand Met With SFPUC Supplies     | 100%  |
| Maximum Local Water Production (mgd) | 0   |
| Alternative Supply Sources           | None  |
| Interties With Other Agencies        | North Coast CWD, Daly City  |
| Local Storage (mg)                   | 6.5   |
| Days of Storage                      | 6.5 – All zones can meet the required 8 hr. coverage.. During emergencies, District also has access to an additional 3.5 mg in storage owned by North Coast WD. |

#### Summary

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

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

The 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<br>FY 06-07<br>(ccf) | Actual<br>FY 07-08<br>(ccf) | Actual<br>FY 08-09<br>(ccf) | Actual<br>FY 09-10<br>(ccf) |
|-----------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| San Francisco Water   | 532,529                     | 457,299                     | 485,493                     | 394,878                     |
| Local Groundwater     | 0                           | 0                           | 0                           | 0                           |
| Surface Water         | 0                           | 0                           | 0                           | 0                           |
| Recycled Water        | 0                           | 0                           | 0                           | 0                           |
| Other                 | 0                           | 0                           | 0                           | 0                           |
| <b>Total</b>          | <b>532,529</b>              | <b>457,299</b>              | <b>485,493</b>              | <b>394,878</b>              |
| <b>mgd equivalent</b> | <b>1.09</b>                 | <b>0.94</b>                 | <b>0.99</b>                 | <b>0.81</b>                 |

### Demand by Sector

|                       |                |                |                |                |
|-----------------------|----------------|----------------|----------------|----------------|
| Residential           | 290,482        | 285,265        | 283,805        | 282,907        |
| Commercial/Industrial | 68,121         | 76,121         | 83,277         | 64,799         |
| Other                 | 53,538         | 52,455         | 60,687         | 0              |
| Dedicated Irrigation  | 0              | 0              | 0              | 54,211         |
| Unaccounted for       | 120,388        | 43,458         | 57,724         | -7,039         |
| <b>Total</b>          | <b>532,529</b> | <b>457,299</b> | <b>485,493</b> | <b>394,878</b> |
| <b>mgd equivalent</b> | <b>1.09</b>    | <b>0.94</b>    | <b>0.99</b>    | <b>0.81</b>    |

| Per Capita Use | Actual<br>FY 06-07<br>(gpcpd) | Actual<br>FY 07-08<br>(gpcpd) | Actual<br>FY 08-09<br>(gpcpd) | Actual<br>FY 09-10<br>(gpcpd) |
|----------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Residential    | 50                            | 49                            | 48                            | 46                            |
| Gross          | 91                            | 78                            | 83                            | 64                            |

## Facilities and Distribution

### Storage Reservoirs

| Designation  | Type  | Capacity<br>(mg) |
|--------------|-------|------------------|
| SS Tank 1    | Steel | 1.5              |
| SS Tank 2    | Steel | 2.5              |
| SS Tank 3    | Steel | 2.0              |
| CH Reservoir | Steel | 0.5              |
| <b>Total</b> |       | <b>6.5</b>       |

### Interties

| Name        | No. | Diameter<br>(in.) |
|-------------|-----|-------------------|
| North Coast | 1   | 8                 |
| Daly City   | 1   | 12                |