

California Water Service - South San Francisco District

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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 FY 06-07 (ccf)	Actual FY 07-08 (ccf)	Actual FY 08-09 (ccf)	Actual FY 09-10 (ccf)
San Francisco Water	4,052,652	3,997,778	3,791,316	3,510,453
Local Groundwater	0	0	0	0
Surface Water	0	37,994	136,023	178,618
Recycled Water	0	0	0	0
Other	0	0	0	0
Total	4,052,652	4,035,772	3,927,339	3,689,071
mgd equivalent	8.31	8.27	8.05	7.56

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	-14,353
Total	4,052,652	4,035,772	3,927,339	3,689,071
mgd equivalent	8.31	8.27	8.05	7.56

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

Facilities and Distribution

Storage Reservoirs

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

Wells

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

Interties

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