

## City of Santa Clara

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### 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	117,200
Number of Accounts	25,481
Number of SFPUC Connections	2
Connections To SFPUC Mains	BDPL 3 and 4
Avg. Day Demand (mgd)	22.24*
Avg. Day Purchases From SFPUC (mgd)	2.68
% Demand Met With SFPUC Supplies	12.0%
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 FY 05-06 (ccf)	Actual FY 06-07 (ccf)	Actual FY 07-08 (ccf)	Actual FY 08-09 (ccf)
San Francisco Water	2,237,932	2,106,452	1,618,029	1,307,380
Santa Clara Valley WD	1,797,807	1,889,425	1,836,125	1,844,895
Local Groundwater	6,313,548	6,692,571	6,989,003	6,638,743
Surface Water	0	0	0	0
Recycled Water	1,191,711	1,318,850	1,339,497	1,061,898
Other	0	0	0	0
<b>Total</b>	11,540,998	12,007,298	11,782,654	10,852,916
<b>mgd equivalent</b>	23.65	24.61	24.15	22.24

### Demand by Sector

Residential	4,960,079	5,229,349	5,109,682	4,909,184
Commercial/Industrial	5,209,144	5,441,549	5,258,266	4,756,270
Other	923,089	1,020,559	1,043,829	870,896
Unaccounted for	448,686	315,841	370,877	316,566
<b>Total</b>	11,540,998	12,007,298	11,782,654	10,852,916
<b>mgd equivalent</b>	23.65	24.61	24.15	22.24

Per Capita Use	Actual FY 05-06 (gpcpd)	Actual FY 06-07 (gpcpd)	Actual FY 07-08 (gpcpd)	Actual FY 08-09 (gpcpd)
Residential	92	94	92	86
Gross (Less Recycled Water)	191	198	187	171

## Facilities and Distribution

### Storage Reservoirs

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

**Wells**

Name	Capacity (mgd)	Status
Well 2-02	2.7	Active
Well 3-02	2.6	Active
Well 4	1.4	Active
Well 5-02	2.3	Active
Well 6.	2.4	Active
Well 7	1.7	Active
Well 8	1.6	Active
Well 9-02	1.5	Active
Well 10	2.4	Active
Well 11	2.5	Active
Well 12	2.1	Active
Well 13-02	2.4	Active
Well 14	1.6	Active
Well 15	1.2	Active

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

**Total** 55.5

**Interties**

Name	No.	Diameter (in.)
SCVWD	1	10