

City of Milpitas

Engineering Department
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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	16,463
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)	11.2
Avg. Day Purchases From SFPUC (mgd)	6.9
% Demand Met With SFPUC Supplies	61.7%
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), SCVWD
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 FY 05-06 (ccf)	Actual FY 06-07 (ccf)	Actual FY 07-08 (ccf)	Actual FY 08-09 (ccf)
San Francisco Water	3,246,783	3,363,685	3,346,012	3,373,223
Santa Clara Valley WD	1,782,950	1,763,531	1,791,890	1,683,070
Local Groundwater	0	0	0	0
Surface Water	0	0	0	0
Recycled Water	371,067	377,818	411,035	414,472
Other	0	0	0	0
Total	5,400,800	5,505,034	5,548,937	5,470,765
mgd equivalent	11.07	11.28	11.37	11.21

Demand by Sector

Residential	2,234,649	2,319,350	2,380,541	2,249,405
Commercial/Industrial	1,548,157	1,665,442	1,496,441	1,372,668
Other	1,056,645	1,123,338	1,199,111	1,120,611
Unaccounted for	561,349	396,904	472,844	728,081
Total	5,400,800	5,505,034	5,548,937	5,470,765
mgd equivalent	11.07	11.28	11.37	11.21

Per Capita Use	Actual FY 05-06 (gpcpd)	Actual FY 06-07 (gpcpd)	Actual FY 07-08 (gpcpd)	Actual FY 08-09 (gpcpd)
Residential	70	73	70	65
Gross (Less Recycled Water)	159	162	152	146

Facilities and Distribution

Storage Reservoirs

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

Wells

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

*Emergency use

Interties

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

*Emergency and Isolation Valves included.