

City of San Jose San Jose Municipal Water System - North

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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 FY 06-07 (ccf)	Actual FY 07-08 (ccf)	Actual FY 08-09 (ccf)	Actual FY 09-10 (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
Total	2,569,248	2,674,031	2,437,246	2,187,918
mgd equivalent	5.27	5.48	4.99	4.48

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
Total	2,569,248	2,674,031	2,437,246	2,187,918
mgd equivalent	5.27	5.48	4.99	4.48

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

Facilities and Distribution

Storage Reservoirs

Designation	Type	Capacity (mg)
Storage Tank 1	Steel	3
Storage Tank 2	Steel	3
Total		6

Wells

Name	Capacity (mgd)	Status	Name	Capacity (mgd)	Status
Well 1	2.0	Standby	Well 3	2.0	Standby
Well 2	2.0	Active	Well 4	2.0	Active
Total	8.0				

Interties

Name	No.	Diameter (in.)
Santa Clara	1	8