

## North Coast County Water District

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### 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 FY 06-07 (ccf)	Actual FY 07-08 (ccf)	Actual FY 08-09 (ccf)	Actual FY 09-10 (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 FY 06-07 (gpcpd)	Actual FY 07-08 (gpcpd)	Actual FY 08-09 (gpcpd)	Actual FY 09-10 (gpcpd)
Residential	79	59	57	55
Gross	61	81	84	75

### Facilities and Distribution

#### Potable Storage Reservoirs

Designation	Capacity (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 (in.)
San Bruno	2	10
Daly City	2	6, 8

Name	No.	Diameter (in.)
Westborough	3	8, 10, 10