

Nineteenth Annual Indicators Report



Summer 2015 • Key Indicator: Water



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Sustainable
San Mateo County

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Gold Sponsors: Brisbane, San Carlos, San Mateo, South San Francisco, Colma, Foster City, Portola Valley

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Our mission is to stimulate community action on issues relating to sustainability by providing accurate, timely, and empowering information.

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Our Summer 2015 Update is Now Available
www.sustainablesanmateo.org

Water Supply and Demand

Introduction

Over the past decade, California residents have experienced two droughts: one from 2007-2009 and another beginning in 2012 through present day. The current California drought is one of the worst since recordkeeping began. **Water year 2014 (Oct. 2013– Sept. 2014) was the third driest on record.** Rainfall has declined dramatically, causing most of the state's major reservoir levels to drop below 50%.

To meet our water needs, we need to consider both the supply and demand sides of the equation. Population growth certainly plays a role in water demand, and we are expected to grow significantly over the next 30 years. Through government incentives, pricing changes, new regulations and changes to municipal codes, we can help curb demand. To help with supply, we can identify new surface storage opportunities, manage groundwater more effectively, increase recycling and greywater usage, and consider desalination.

Conservation

Water Conservation per Water District, San Mateo County 2013-15

| Supplier Name | Pop. Served | Conserv. Std. | % Saved | Avg R-GPCD* | Avg % Resid. Use |
|-------------------------------|-------------|---------------|---------|-------------|------------------|
| Cal Water (Bear Gulch) | 58,621 | 36% | 17% | 169.0 | 87% |
| Cal Water (Mid-Penin) | 132,522 | 16% | 12% | 69.7 | 73% |
| Cal Water (SSF) | 60,634 | 8% | 11% | 45.0 | 40% |
| City of Brisbane | 4,541 | N/A | -4% | 39.0 | 37% |
| City of Burlingame | 30,282 | 16% | 21% | 74.5 | 64% |
| City of Daly City | 104,539 | 8% | 3% | 49.1 | 94% |
| City of East Palo Alto | 28,896 | 8% | 14% | 46.8 | 91% |
| City of Menlo Park | 15,905 | 16% | 35% | 74.7 | 44% |
| City of Millbrae | 21,532 | 16% | 12% | 73.2 | 74% |
| City of Redwood City | 86,650 | 8% | 19% | 58.8 | 66% |
| City of San Bruno | 43,798 | 8% | 14% | 47.6 | 70% |
| Coastside Water | 16,659 | 8% | 10% | 60.0 | 55% |
| Estero District (Foster City) | 37,041 | 12% | 5% | 66.1 | 63% |
| Mid-Peninsula Water Dist. | 26,094 | 20% | 19% | 82.9 | 85% |
| North Coast Co. Water Dist. | 39,000 | 8% | 13% | 51.8 | 82% |
| Town of Hillsborough | 10,838 | 36% | 35% | 213.7 | 88% |
| Westborough Water Dist. | 14,050 | 8% | 19% | 44.3 | 81% |
| SM County Cumulative | 737,343 | N/A | 16% | 74.5 | 70% |

Data was collected from the CA Water Resources Control Board.

*R-GPCD stands for Residential Gallons per Capita Day.

As a small water supplier, Brisbane wasn't assigned a conservation tier. California Water Service Mid Peninsula includes San Carlos, San Mateo, and parts of Unincorporated Redwood City. California Water Service Bear Gulch includes Atherton, Portola Valley, Woodside, and portions of Menlo Park and Redwood City. Mid-Peninsula Water District includes Belmont, San Carlos, and nearby unincorporated areas. North Coast County Water District is Pacifica's water supplier. Coastside Water supplies water to Half Moon Bay and a part of unincorporated San Mateo County.



For more details on rebates and other conservation tips from BAWSCA, visit

bawsca.org/conservation/

Local Rebate Programs

Residential Water Efficiency Rebate Programs

| Water District | Local Rebate Programs (Residential) | | | | | |
|--|-------------------------------------|--------------------|------------------------|------------------------------|------------------|-----------------------------|
| | Rain Barrel | Lawn Be Gone (LBG) | LBG Rebate (S/sq. ft.) | Low Flow Toilet ⁴ | High Eff. Washer | Smart Irrigation Controller |
| City of Brisbane | \$50 | SF, MF | 1 | \$125/\$75 | \$150 | n/a |
| City of Burlingame | n/a | n/a | n/a | \$125/\$75 | \$150 | n/a |
| Cal Water (Bear Gulch) ^{1*} | n/a | SF, MF | 1 | \$100/\$50 | \$150 | \$125 |
| Cal Water (Bayshore) ^{2*} | n/a | SF, MF | 1 | \$100/\$50 | \$150 | \$125 |
| Coastside Co. Water Dist. | n/a | SF, MF | 2 | \$125/\$75 | \$150 | n/a |
| City of Daly City | \$50 | SF, MF | 1 | \$125/\$75 | \$150 | n/a |
| City of East Palo Alto | n/a | n/a | n/a | n/a | \$150 | n/a |
| Estero District (Foster City) | n/a | SF, MF | 4 | \$175/\$100 | \$150 | n/a |
| Estero District (Foster City) | n/a | SF | 4 | \$125/\$75 | \$150 | n/a |
| City of Menlo Park | n/a | SF, MF | 2 | \$125/\$75 | \$150 | n/a |
| Mid-Peninsula Water Dist. ³ | \$50 | SF, MF | 2 | \$125/\$75 | \$150 | n/a |
| City of Millbrae | \$50 | n/a | n/a | \$125/\$75 | \$150 | n/a |
| North Coast Co. Water Dist. | \$50 | SF, MF | 4 | n/a | \$150 | n/a |
| City of Redwood City | \$50 | SF, MF | 1 | \$125/\$75 | \$150 | n/a |
| City of San Bruno | n/a | SF, MF | 1 | \$125/\$75 | \$150 | n/a |
| Westborough Water Dist. | n/a | n/a | n/a | \$125/\$75 | \$150 | n/a |

Data Source: BAWSCA (Bay Area Water Supply and Conservancy Agency); Current through 7/2015.

California Water Service; Current through 7/2015. CalWater has a separate turf replacement program called Droplet.

¹ California Water Service Bear Gulch includes Atherton, Bear Gulch, Los Trancos, Menlo Park, Portola Valley, Skyline and Woodside.

² California Water Service Bayshore includes Bayshore, Broadmoor, Colma, Daly City, Palomar, Redwood City, San Carlos, San Mateo, and South San Francisco.

³ Mid-Peninsula Water District includes San Carlos, Belmont, and nearby unincorporated areas.

⁴ \$125 per toilet for purchasing a MaP Premium HET / \$75 for purchasing a standard EPA WaterSense Labeled HET.

* Cal Water limits turf replacement amount to \$1,000 for single-family and \$10,000 for multi-family residences.

SF: Residential Single Family

MF: Residential Multi Family

Commercial Water Efficiency Rebate Programs

| Water District | Local Rebate Programs (Commercial) | | |
|--|------------------------------------|-----------------------------|------------------------------|
| | Lawn Be Gone (\$/sq.ft) | Smart Irrigation Controller | Low Flow Toilet ⁴ |
| City of Brisbane | 1 | n/a | \$125/\$75 |
| City of Burlingame | n/a | n/a | \$125/\$75 |
| Cal Water (Bear Gulch) ^{1*} | 1 | \$25 | n/a |
| Cal Water (Bayshore) ^{2*} | 1 | \$25 | n/a |
| Coastside Co. Water Dist. | 2 | n/a | \$125/\$75 |
| City of Daly City | 1 | n/a | \$125/\$75 |
| City of East Palo Alto | n/a | n/a | n/a |
| Estero District (Foster City) | 4 | n/a | \$175/\$100 |
| Estero District (Foster City) | n/a | n/a | \$125/\$75 |
| City of Menlo Park | 2 | n/a | \$125/\$75 |
| Mid-Peninsula Water Dist. ³ | n/a | n/a | \$125/\$75 |
| City of Millbrae | n/a | n/a | \$125/\$75 |
| North Coast Co. Water Dist. | 4 | n/a | n/a |
| City of Redwood City | 1 | n/a | \$125/\$75 |
| City of San Bruno | 1 | n/a | \$125/\$75 |
| Westborough Water Dist. | n/a | n/a | \$125/\$75 |

Data Source: BAWSCA (Bay Area Water Supply and Conservancy Agency); Current through 7/2015.

California Water Service; Current through 7/2015. CalWater has a separate turf replacement program called Droplet.

¹ California Water Service Bear Gulch includes Atherton, Bear Gulch, Los Trancos, Menlo Park, Portola Valley, Skyline and Woodside.

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SF: Residential Single Family

MF: Residential Multi Family

Coming soon: Green Infrastructure • Water–Energy Nexus

Local Water Progress

| Municipality | Municipal Water Reduction | Water Education | Drought Management Plan | Wastewater | Outreach | Opportunities | Progress |
|-------------------------|---------------------------|-----------------|-------------------------|-------------|----------|---------------|-------------|
| Atherton | BO, PL | C, PP | | | | | |
| Belmont | BO, PL | C, PP | | | RB | | CS, CH |
| Brisbane | BO, PL | C, PP | √ | SL, O | RB, SM | LS | |
| Burlingame | BO, PL | C, RG, PP | √ | M, SL, B | RB, SM | | CS |
| Colma | BO, PL | C, PP | | SL | RB | | |
| Daly City | BO, PL | C, RG, PP | √ | M, SL, B | RB, SM | H, LS | CH |
| East Palo Alto | BO, PL | C, RG, PP | √ | | RB, SM | H, LS, I | CS, CH, TOD |
| Foster City | BO, PL | C, RG, PP | √ | | RB, SM | H, LS, I | |
| Half Moon Bay | BO, PL | C | √ | SL | RB | | |
| Hillsborough | BO, PL | C, RG, PP | √ | B | RB, SM | LS, I | |
| Menlo Park | BO, PL | C, RG, PP | √ | O | RB, SM | H, LS, I | CH |
| Millbrae | BO, PL | C, RG, PP | √ | M, SL, B, O | RB, SM | LS | CS, TOD |
| Pacifica | BO, PL | C, RG, PP | | M, SL, B | RB, SM | LS, I | CS, CH |
| Portola Valley | BO, PL | C, RG, PP | | | RB, SM | H, LS, I | CS, CH |
| Redwood City | BO, PL | C, RG, PP | √ | SL, B | RB, SM | LS, I | CH, TOD |
| San Bruno | BO, PL | C, PP | √ | SL, B | RB, SM | LS, I | CS, TOD |
| San Carlos | BO, PL | C, PP | √ | SL | RB, SM | I | CS, TOD |
| San Mateo | PL | C, RG, PP | | M, SL, B | RB, SM | LS | CS, TOD |
| So. San Francisco | BO, PL | C, PP | √ | M, SL, B | RB, SM | LS | CS, CH, TOD |
| Woodside | BO, PL | C, RG, PP | | | RB, SM | | CS |
| San Mateo County | BO, PL | C, PP | √ | | RB, SM | LS, I | CH |

Municipal Water Reduction

BO = Water efficiency in municipal buildings and operations
PL = Reduce water use in parks and landscaping

Water Education

C = Promote water conservation among residents
RG = Promote water recycling and greywater use
PP = Educate the community about water pollution prevention

Wastewater

M = Manage wastewater treatment facility
SL = Plans to replace leaking lateral sewage line
B = Budget and plan for reducing wastewater contaminants
O = Other wastewater management techniques

Outreach

RB = Provide useful information on what steps residents and businesses can take to go green
SM = Use social media channels for sustainable activities

Opportunities*

H = Host green leadership summit for community leaders, school groups or others to share experiences, expertise, ideas

Sustainable Progress

CS = Complete Streets Policy
CH = Community Health Policy
TOD = Transit Oriented Development Implementation

Bridging the Digital Divide

A [2012 report from the American Library Association](#) found that citizens are using technology in libraries in three ways: utilizing technology infrastructure (such as computer terminals), accessing libraries' electronic content, and soliciting help from information staff. From 2011-2012, public computer and Wi-Fi use increased by 60%, but nearly two-thirds of libraries reported an insufficient number of computers to meet demand some or all of the time. 62% of libraries reported offering the only free Wi-Fi access in their community.

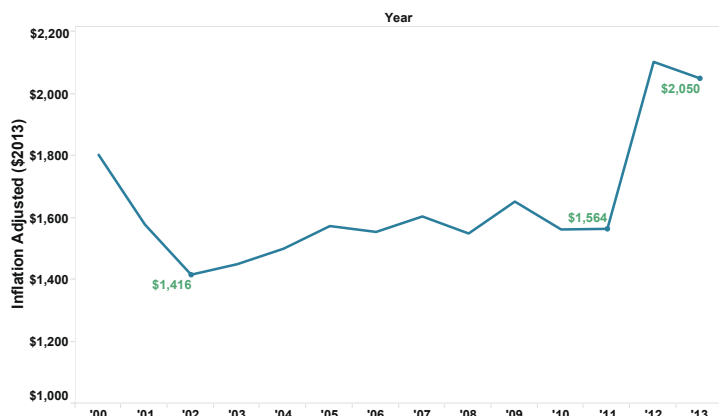
Luckily, we have a few local solutions to this digital divide. San Mateo County residents can check out Wi-Fi hotspots and laptop/Wi-Fi hotspot combos for up to 7 days thanks to a state library grant and Mobile Beacon, a nonprofit. For more info, visit smcl.org. Additionally, the San Francisco chapter of Code for America's brigade team created [LocalFreeWeb](#), which allows citizens to text a Muni bus stop ID to a phone number, which will return a text message displaying nearby locations where that person can access internet enabled computers.

Read more about Library Usage: sustainablemateo.org/community-cohesion-and-safety/

Indicators Highlights: Wages, Libraries, Homelessness

Average Weekly Wages

Average Weekly Wages San Mateo County, 2000-2013



Data Source: California Employment Development Department

Average weekly wages peaked in 2012, although 2013's wages are still higher than wages from 2000, which was just prior to the dot com bust.

Look for it online...



Voter Participation: How does San Mateo County voter participation compare to statewide statistics?

Equity

Health Insurance: For the Covered California Program, how many enrollees are subsidized versus unsubsidized?

Weekly Wages: Are education and health care wages higher or lower than the county average?



Commute Travel Modes: How does San Mateo County use of public transit differ from the rest of the nation?

Economy



Land Use: How much has the acreage of San Mateo County parks increased?

Environment

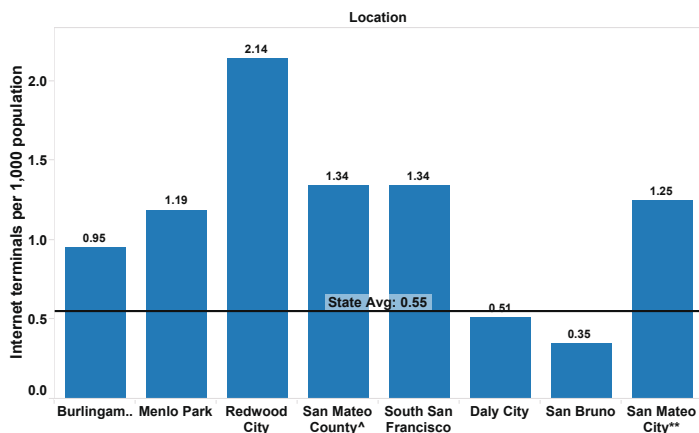
Green Buildings: Which cities use LEED to certify their green buildings?



sustainablesanmateo.org/indicators-report/

Library Visits

Library Internet Terminals per 1,000 Residents San Mateo County 2012-13



*The County Library System includes the following 11 libraries: Atherton, Belmont, Brisbane, East Palo Alto, Foster City, Half Moon Bay, Millbrae, Pacifica, Portola Valley, San Carlos, and Woodside.
**The City of San Mateo Library also serves one-third of Hillsborough.
*The City of Burlingame Library also serves two-thirds of Hillsborough.

Data Source: Public Library Statistics Portal

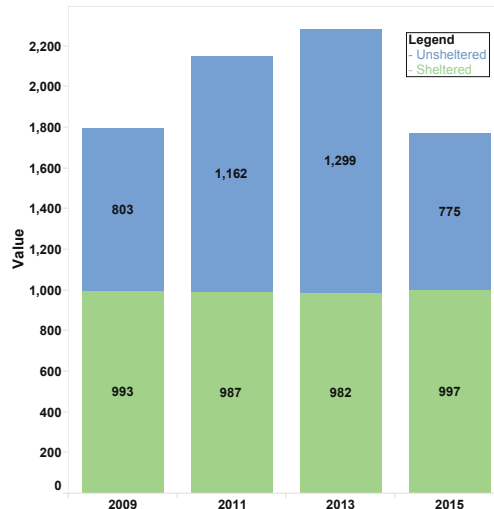
The California average of internet terminals per 1,000 residents has steadily increased over the last five years, which mirrors the San Mateo County trend.

In the last 15 years, the amount of internet terminals has tripled in San Mateo County's library system.

Despite the increased availability of internet terminals, two libraries—San Bruno and Daly City—are below the state average.

Homelessness

Number of Sheltered vs. Unsheltered Homeless San Mateo County 2009-2015



Data Source: SMC Open Data Portal

In 2015, San Mateo County's unsheltered homeless population decreased by 524 people compared to 2013, a 40% reduction.

If this decrease continues at the same rate, San Mateo County will reach about 200 unsheltered homeless by 2020, short of its goal of zero unsheltered homeless by 2020.

San Mateo County's sheltered homeless population remained consistent over the past 6 years.

Share Your Thoughts! What are the most pressing water issues in the county? What obstacles must be overcome to achieve greater conservation, adequate supply, and improved water quality? Let us know at sustainablesanmateo.org/indicators-survey.

