Recycled Water

Palo Alto, California
Hetch Hetchy Reservoir
Palo Alto is one of the top per capita water users in the region.

**Top Water Users**
Of the 27 cities, water districts and private utilities that purchased water from the San Francisco Public Utilities Commission in 2007-8, the ten below had the most per capita home usage.

Average per capita residential water consumption, 2007-8

1. Purissima Hills Water District 334 gallons per day
2. Town of Hillsborough 318
3. Cal Water Service Company, Bear Gulch 208
4. City of Menlo Park 149
5. City of Palo Alto 114
6. City of San Jose 97
7. City of Sunnyvale 96
8. City of Burlingame 95
9. Alameda County Water District 93
10. Cal Water Service Company, Mid-Peninsula 93

Average for all agencies 90

Source: Bay Area Water Supply and Conservation Agency
The SFPUC’s $4.6 billion Water System Improvement Program aims to retrofit the Hetch Hetchy Water System.

- It also caps water sales to the SFPUC’s 26 wholesale customers, representing 1.7 million people, at 184 mgd until at least 2018.
- Current use is 174 mgd. Projections for 2018 were 194 mgd.
FERC relicensing of Don Pedro Dam in 2016 could result in decreased diversions.
Projected Population Growth

Source: Association of Bay Area Governments, Projections 2003
The Sierra snowpack is expected to shrink by 12-50% by 2050 due to climate change.
Seattle Public Utilities Watersheds

Change in Water Supply with Climate Change Scenarios
Baseline Operations

Cedar River and S. Fork Tolt River watersheds. Source: Seattle Public Utilities
Palo Alto Can Expect Future Water Shortages
Wastewater Treatment Plant

DO NOT DRINK

RECYCLED WATER
Emily Renzel Wetlands
Regional Water Quality Control Plant

Partner Salinity Increases Over Source Water

Partner Salinity Value Above the Source Water

GOAL: 350 mg/L

Stanford

Los Altos

Palo Alto

EPASD

Mountain View

TDS (mg/L)
Recycled Water Master Plan
Projected Cost of Recycled Water

- $2,200 per acre foot to the Stanford Research Park.
- $3 million per mile for piping.
- Expanding the system will reduce the cost.
Stanford could use recycled water for irrigation and Felt Lake water as a potable source.
Lake Lagunita might serve as a groundwater recharge basin
The Water System Improvement Program will more than double the price of Hetch Hetchy water.