



Goleta Valley Planning
Advisory Committee
March 3, 2009

Eric E. Ford
Interim General Manager

Governance

- ◆ A local Government, called a Special District
 - Formed by local vote – November 17, 1944
 - Focused on single service = Water
 - Operates under Water Code Section 30000 (County)
- ◆ Governed by elected Board of Directors
 - Five person Board of Directors – 4 year terms
 - All local citizens, locally elected, at-large
 - Provides policy direction for District actions
 - Appoints General Manager, Legal Counsel & Auditor
- ◆ Meetings held monthly
 - Public is always welcome – 2nd Tuesday of each month



Goleta Water District

Mission Statement

“To provide an adequate supply of quality water at the most reasonable cost to the present and future customers within the Goleta water District.”

Water District History

- ◆ 1940's - growth in Goleta Valley led to over-pumping of the groundwater basin
- ◆ 1950's - Lake Cachuma and the Tecolote Tunnel built bringing water to valley
- ◆ 1960's - Demand Exceeds Cachuma Supply
- ◆ 1970's - Wright Suit Filed, Basin Adjudicated
- ◆ 1980's - Court Order restricting pumping
- ◆ 1990's - Recycled Water Project and Importation of State Water
- ◆ 2000's - Slow Growth, Water Supply & Treatment Challenges

Water Services

- ◆ Provides high quality potable water
 - State of the art Water Treatment Plant
- ◆ Water Recycling
 - Joint project with Goleta Sanitary District
- ◆ Maintains active water conservation program
 - Water Conserving Demonstration Garden
- ◆ Public Outreach
 - Conducts active information and education program in schools & water audits

Major Facilities

- ◆ Corona del Mar Water Treatment Plant – capable of 36mgd, average 9.4 mgd
- ◆ Recycled water distribution system
- ◆ Eight reservoirs, storage capacity 20 million gallons
- ◆ 6 water wells – 5,400 acre feet/year
- ◆ 250 miles of distribution pipelines
- ◆ Four booster pump stations
- ◆ 1,300 fire hydrants

Total investment: \$89 million

District Service Area

- ◆ Goleta Water District's service area encompasses the entire Goleta Valley
 - From the City of Santa Barbara line on the east to El Capitan on the west
 - From foothills of Santa Ynez Mountains on the north to the ocean on the south
 - District spans about 32,000 acres
 - Serves about 84,000 people and 16,000+ metered accounts

GWD Service Area Map

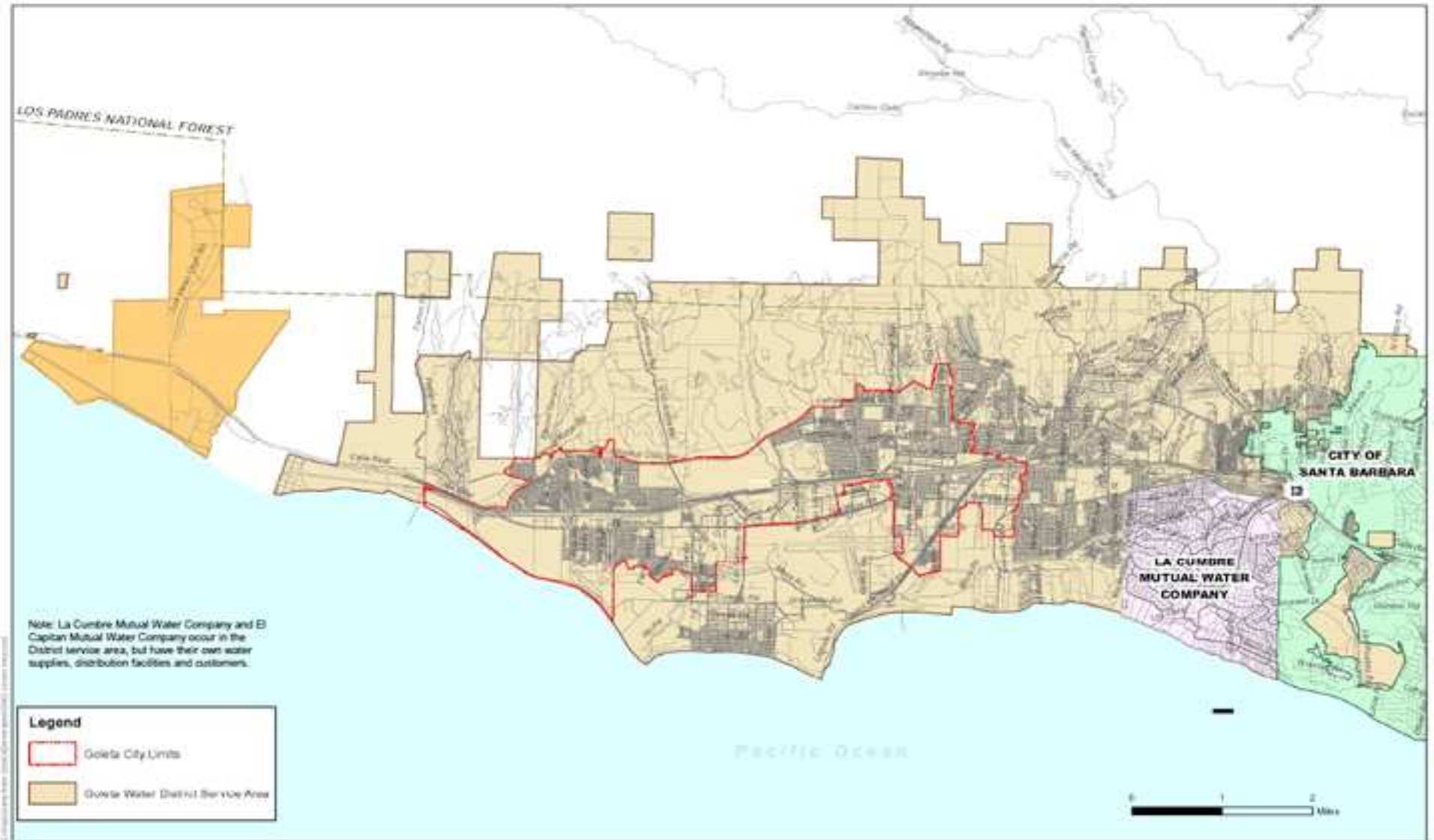
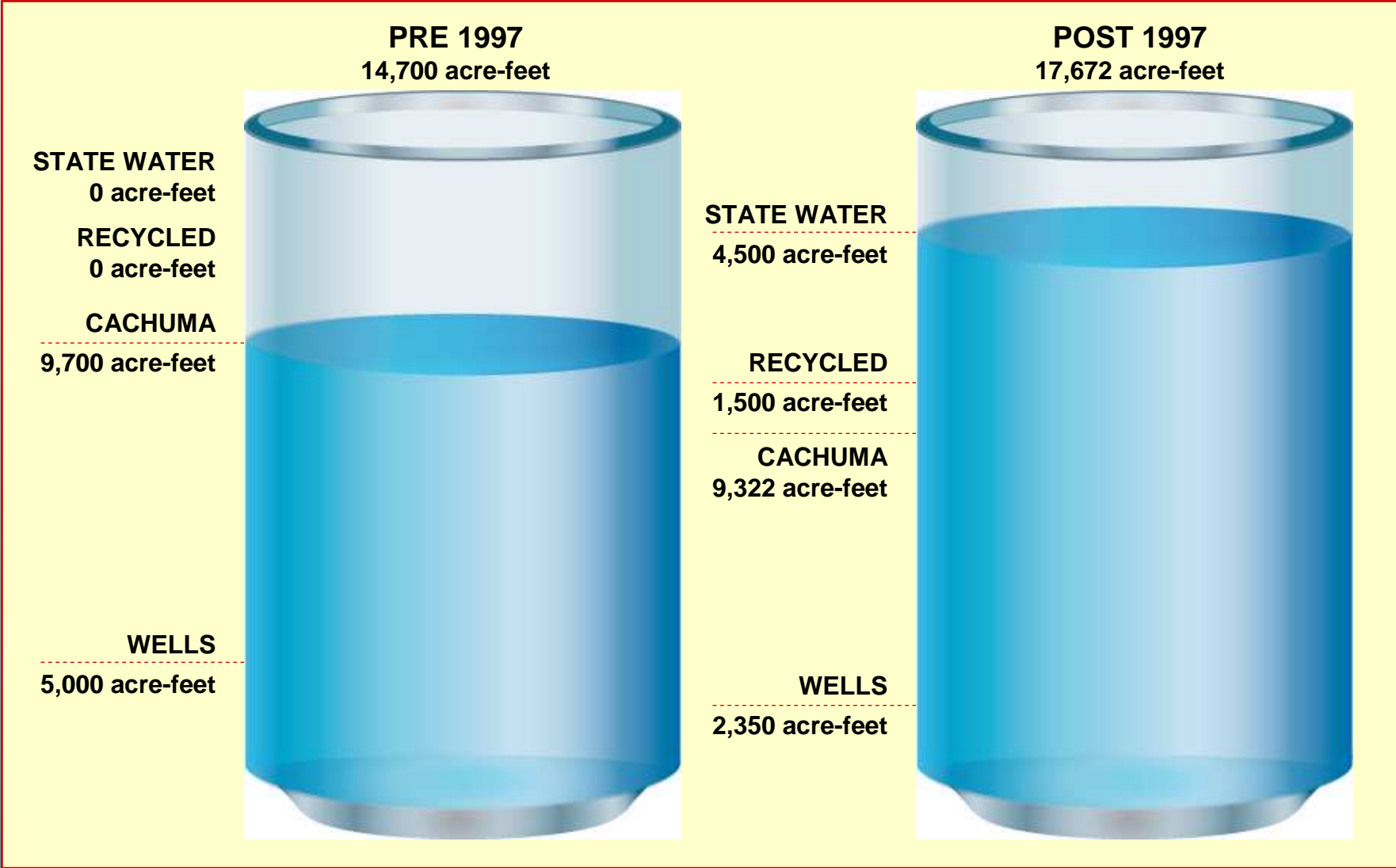


Figure 1. Goleta Water District Service Area

SOURCES OF WATER (acre-feet)



Long-Term Water Supplies

District water supplies are dynamic, subject to change based on current conditions and challenges

| | <u>MAXIMUM YEAR</u> | <u>CRITICAL YEAR</u> |
|---|---------------------|----------------------|
| Lake Cachuma | 9,322 Af/ Yr | 6,898 Af/Yr |
| – (Santa Ynez River) Shared with SB, Montecito, Carpinteria and Santa Ynez area | | |
| *State Water Project | 4,500 Af/Yr | 745 Af/Yr |
| – Put into the Lake | | |
| Groundwater Entitlement | 2,350 Af/Yr | 2,350 Af/Yr |
| – Inject Cachuma Water in wet winters for added supply | | |
| Groundwater Bank | 0 Af/Yr | 3,250 Af/Yr |
| – For Emergency and drought conditions, not year-to-year supply | | |
| Recycled wastewater | 1,500 Af/Yr | 1,500 Af/Yr |
| – For landscaping, university, golf courses, etc. | | |
| TOTAL WATER SUPPLIES | 17,672 Af/Yr | 14,743 Af/Yr |

Acre-foot = 325,851 gallons. An average Goleta home uses about ¼ acre-foot per year.

* State water deliveries are greatly affected by environmental and judicial restrictions causing reliance on this supply to be somewhat questionable.

WATER DEMAND (acre-feet)

Maximum Supply
17,672 acre feet



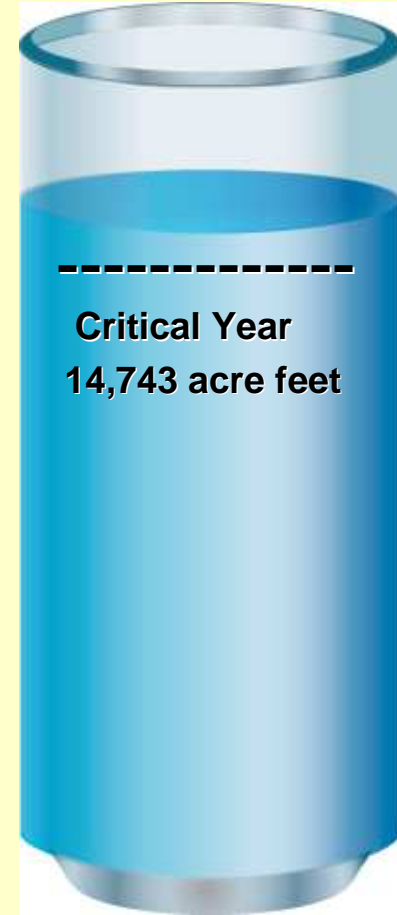
Critical Year
14,743 acre feet

2008 Demand
14,000 acre feet



Critical Year
14,743 acre feet

Build-out* Demand
16,243 acre feet



Critical Year
14,743 acre feet

*ASSUMES EXISTING ZONING

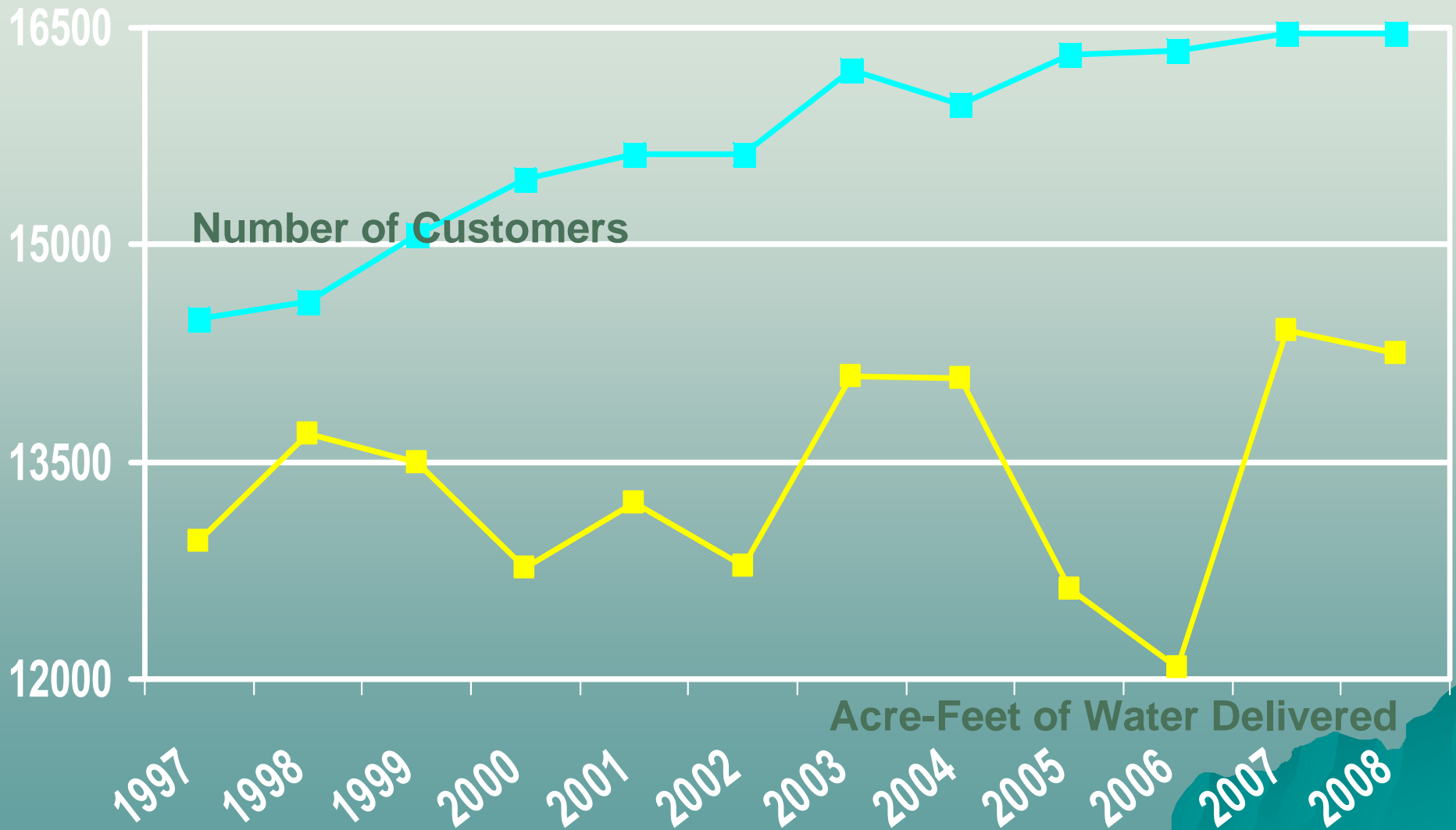
SAFE Ordinance

Approved by the voters

- Adopted in 1991
- Amended in 1994

- ◆ SAFE authorized the importation of state water
 - 7,450 acre feet purchased, 4,500 maximum
- ◆ SAFE requires the creation of a drought buffer
 - Establishment of 1972 groundwater levels
- ◆ SAFE requires annual evaluation before release of up to 1% of total potable water for new connections, effective each January 1st

Water Delivered and Customers



Water Supply Planning

- ◆ Cachuma
 - Contractual Entitlement of 9,322 acre feet per year.
- ◆ State Water
 - Paid for rights to 7,450 acre feet per year with expectation of using 4,500 acre feet (60%), pipe capacity. Supply is subject to environmental and judicial constraints, reductions are expected.
- ◆ Groundwater
 - Safe yield of 2,350 acre feet per year (the yield that is replenished by nature, per Court Order). Current well pumping capacity is 5,400 acre feet per year.
 - Drought buffer is available when Cachuma supply reduced.
- ◆ Recycled
 - Current Demand = 1,000 acre feet per year. Capacity is 1,500 acre feet per year.

Water Supply Summary

- ◆ Current supplies sufficient for current customer base, future demand needs to be well planned in cooperation with district.
- ◆ Effects from Zaca Fire have greatly affected district's water supplies management & treatment costs.
- ◆ District is reevaluating water supply calculations as shown in UWMP & WSA.
- ◆ Continued need to promote water conservation programs.

Water System Improvements

Current - 2011

- ◆ Newly upgraded Water Treatment Plant
- ◆ Rehabilitation of San Ricardo well
- ◆ Groundwater Management Plan & modeling to maximize shared use of groundwater basin
- ◆ Comprehensive Water Management Plan to maximize use of surface & groundwater supplies
- ◆ Annual water main replacement program
- ◆ GWD - City of SB Sterrett Interconnect
- ◆ Cathedral Oaks & Hwy 101 Overcrossing Water mains

Water System Improvements

Long Term – 2019

- ◆ New Wells as identified by groundwater management plan and modeling program
- ◆ 3 Million Gallon Reservoir in eastern Goleta
- ◆ 2 Million Gallon Additional Ellwood Reservoir
- ◆ Hollister Recycled Water Booster Station Upgrades
- ◆ Recycled Reservoir - 1 Million Gallons near Glen Annie
- ◆ Future upgrades to CDM Water Treatment Plan



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