



Goleta Water District

Goleta Visioning Committee Workshop
11 March 2006

Kevin Walsh
General Manager

Governance

- A local Government, called a Special District
 - Formed by local vote – November 17, 1944
 - Focused on single service = Water
 - Expert at what it does
- Governed by elected Board of Directors
 - Five persons on Board of Directors – 4 year terms
 - All local citizens, locally elected
 - Provides policy direction for District actions
- Meetings held monthly
 - Public is always welcome – 2nd Tuesday of each month



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
- 1960's – Demand Exceeds Cachuma Supply
- 1970's – Groundwater Wells developed
- 1980's – Court Order restricting pumping
- 1990's – Recycled Water Project and Importation of State Water

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 Garden
- Public Outreach
 - Conducts active information and education program

Major Facilities

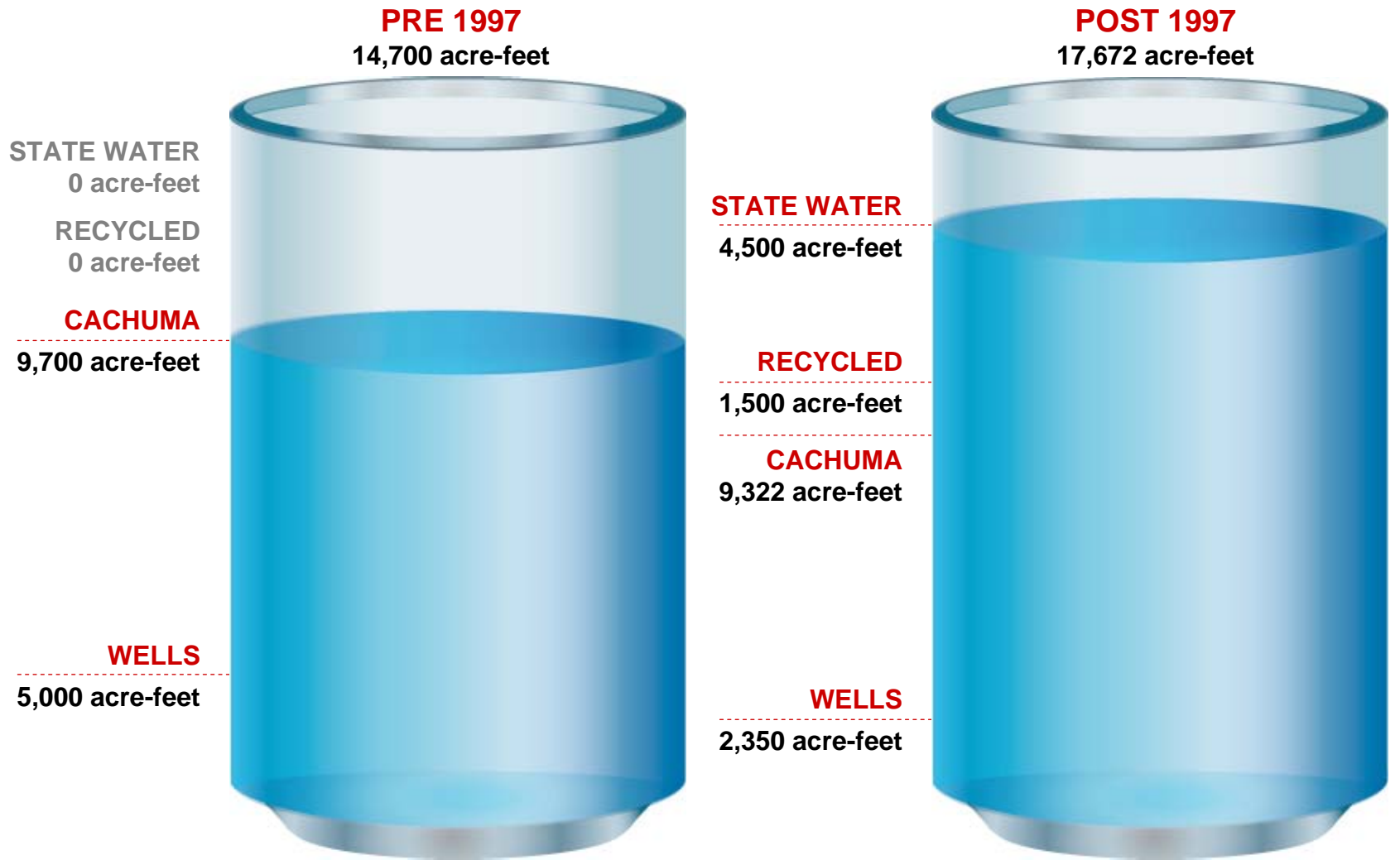
- Corona del Mar Water Treatment Plant
- Recycled Water Distribution System
- Eight reservoirs, capacity 20 million gallons
- 11 water wells
- 250 miles of pipelines
- Four booster pump stations
- 1,300 fire hydrants

Total investment: \$83 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

SOURCES OF WATER (acre-feet)



Long Term Water Supplies

District Recently Completed Its Most Comprehensive Water Supply Study Ever – Urban Water Management Plan

	<u>NORMAL YEAR</u>	<u>CRITICAL DRY YR</u>
Lake Cachuma	9,332 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	1,490 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	15,486 Af/Yr

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

WATER DEMAND (acre-feet)

Water Supply
17,672 acre-feet



2005 Demand
14,000 acre-feet

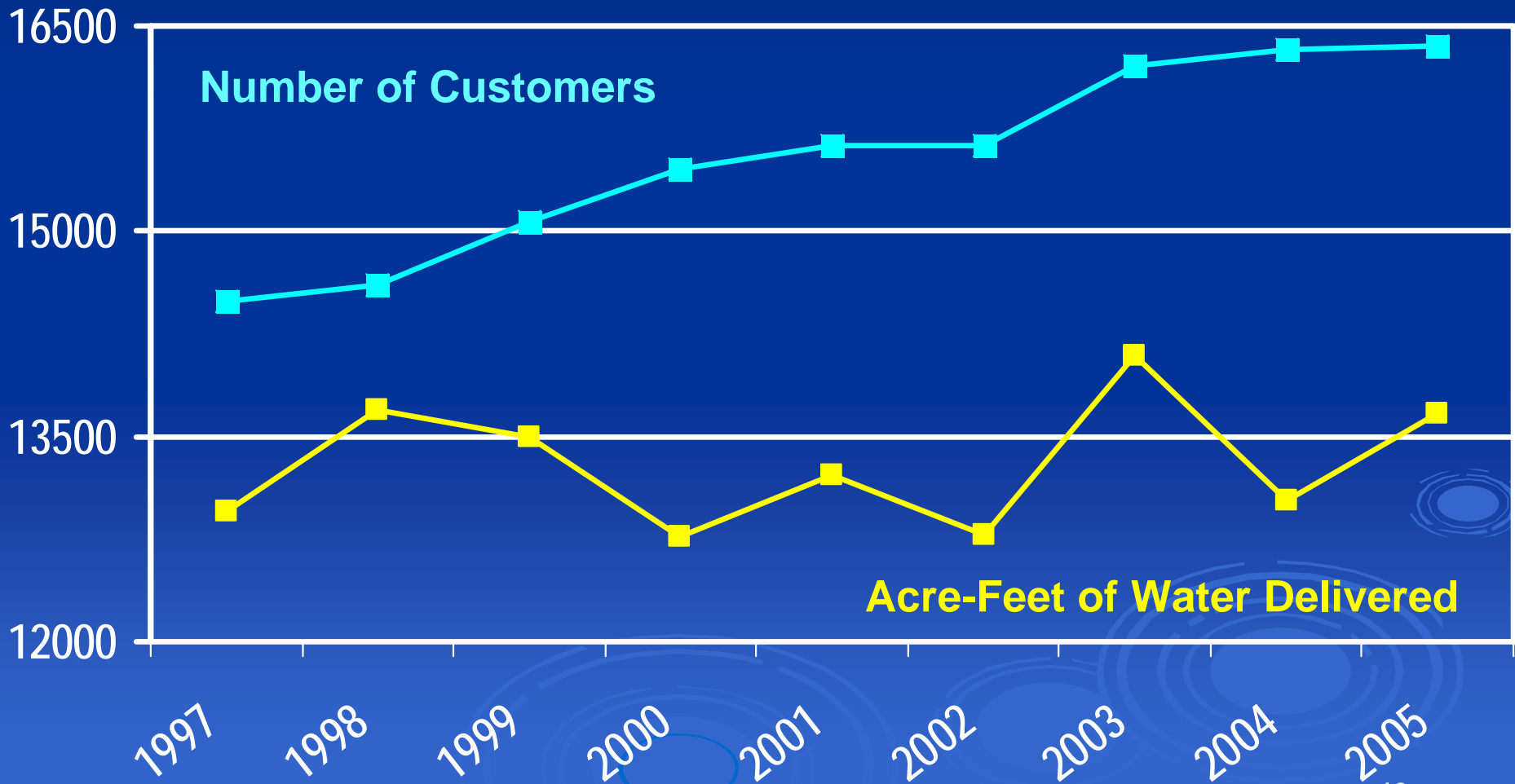


Build-out* Demand
16,243 acre-feet



*ASSUMES EXISTING ZONING.

Water Delivered and Customers



Conservative Water Supply Planning

- Cachuma
 - Contractual Entitlement to 9,322 acre-feet per year
- State Water
 - Paid for rights to 7,450 acre-feet per year with expectation of only 4,500 acre-feet per year (60%)
- Groundwater
 - Plan to take 2,350 acre-feet per year (the safe yield that is replenished by nature per Court Order)
 - Have not used any appreciable groundwater since 1991 and have injected in wet years. 30,000 acre-feet “banked water” is for drought or emergency
- Recycled
 - Current Demand = 1,000 acre-feet per year. Capacity is 1,500 acre-feet per year.

Water Supply Summary

- Current supplies sufficient for future planned demand as known in 2005
- District has been conservative in calculating supply and demand
- Continued need to promote conservation



Water System Improvemnets

Near Term -> 2011

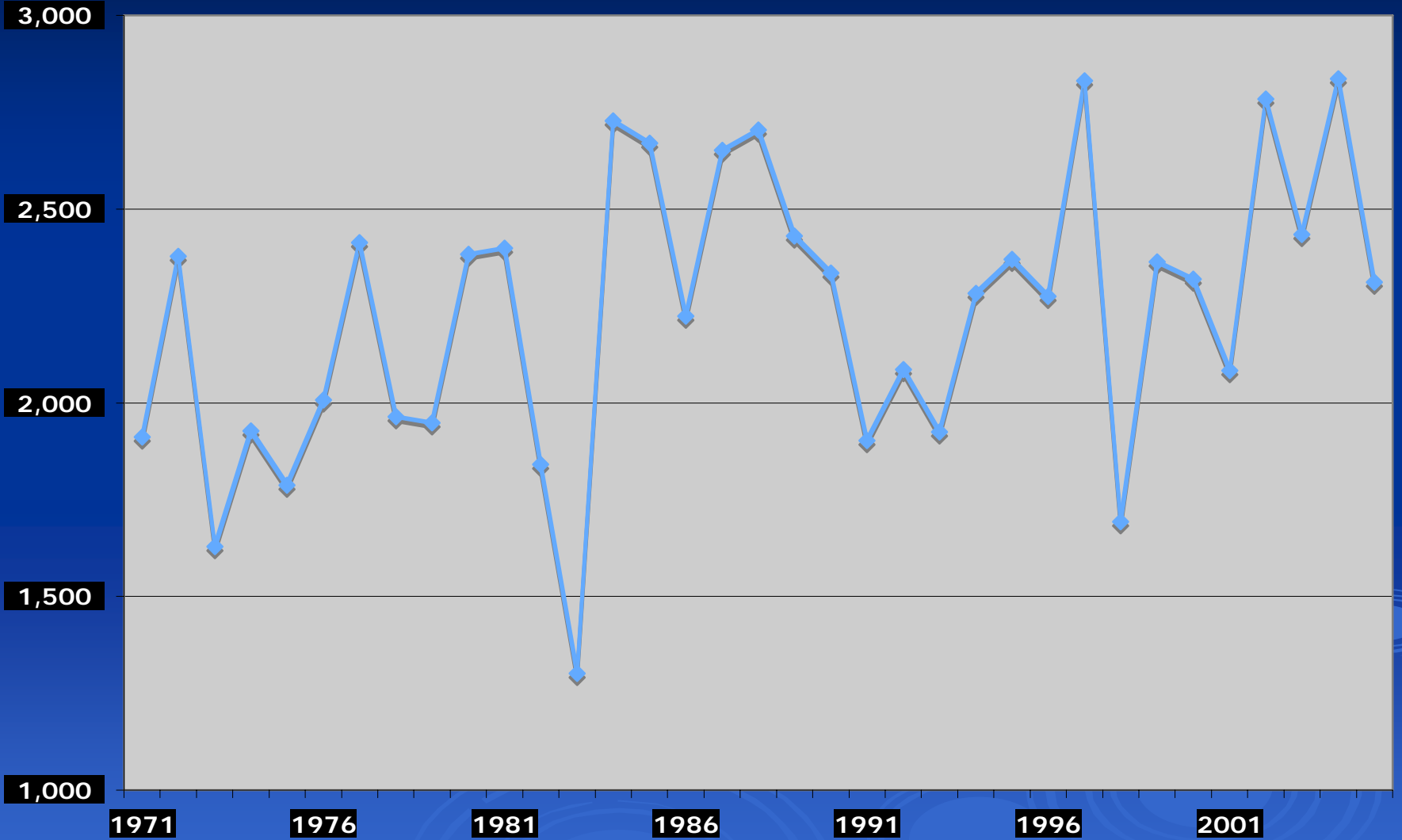
- Upgrades to Water Treatment Plant
- Rehabilitation of Wells: El Camino, Anita, University, San Ricardo(?), Berkeley(?), Shirrell(?)
- Groundwater Modeling to Maximize Conjunctive Use of Groundwater and Surface Water Supplies
- Annual Waterline Replacement
- Intertie with City SB @ Sterrett
- Pipeline in Los Carneros Rd near Covington

Water System Improvements

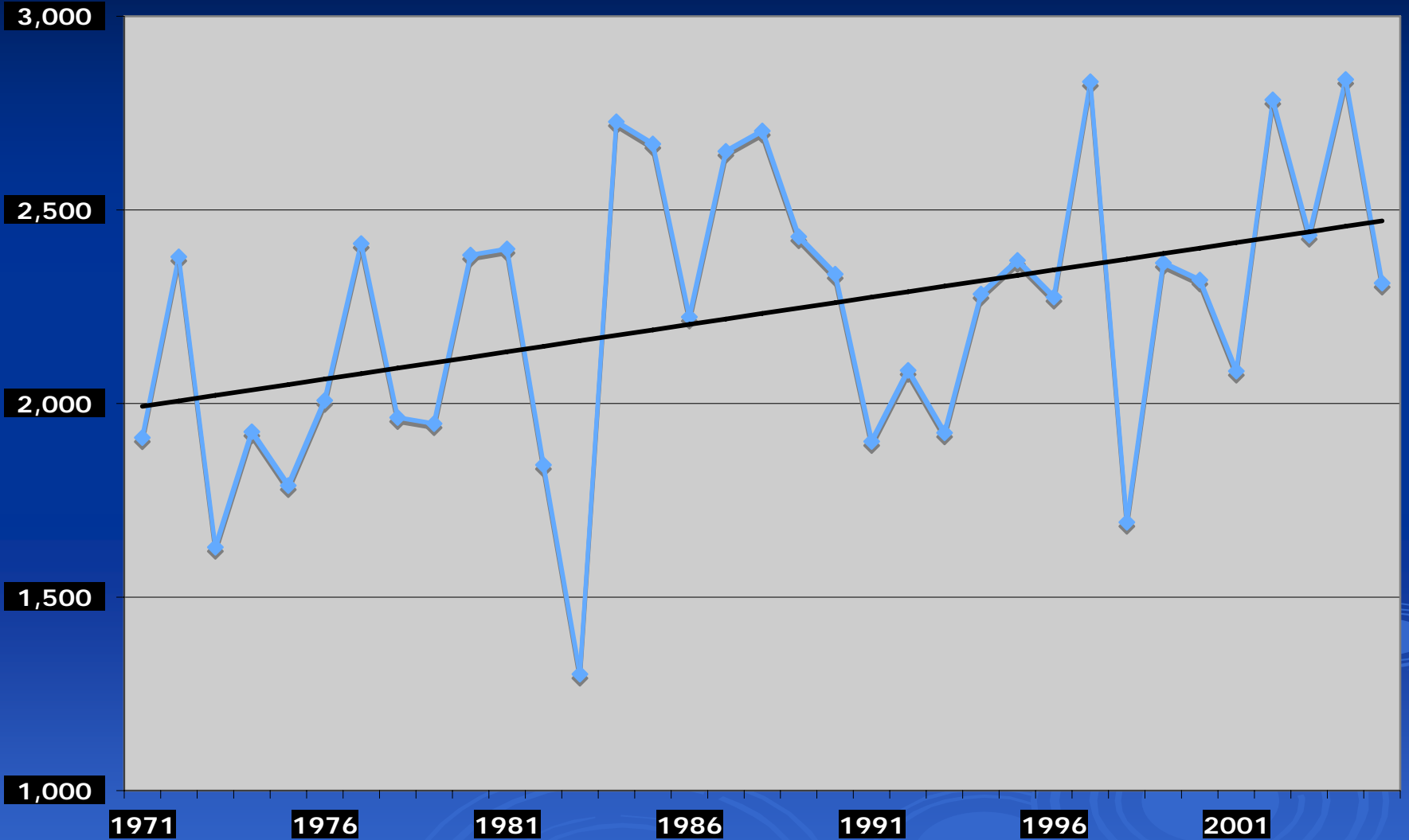
Long Term -> 2025

- Upgrades to CDM Water Treatment Plant
- New Wells as shown by groundwater modeling
- 3 Million Gallon Reservoir in eastern Goleta
- 2 Million Gallon Additional Ellwood Reservoir
- Pipeline in Kellogg Drive So. of Freeway
- Upsize Cathedral Oaks pipeline @ Brandon
- Recycled Water Pipeline - Fairview/Hollister
- Recycled Water Booster Pump in Hollister
- Recycled Reservoir - 1 Mil Gals near Glen Annie

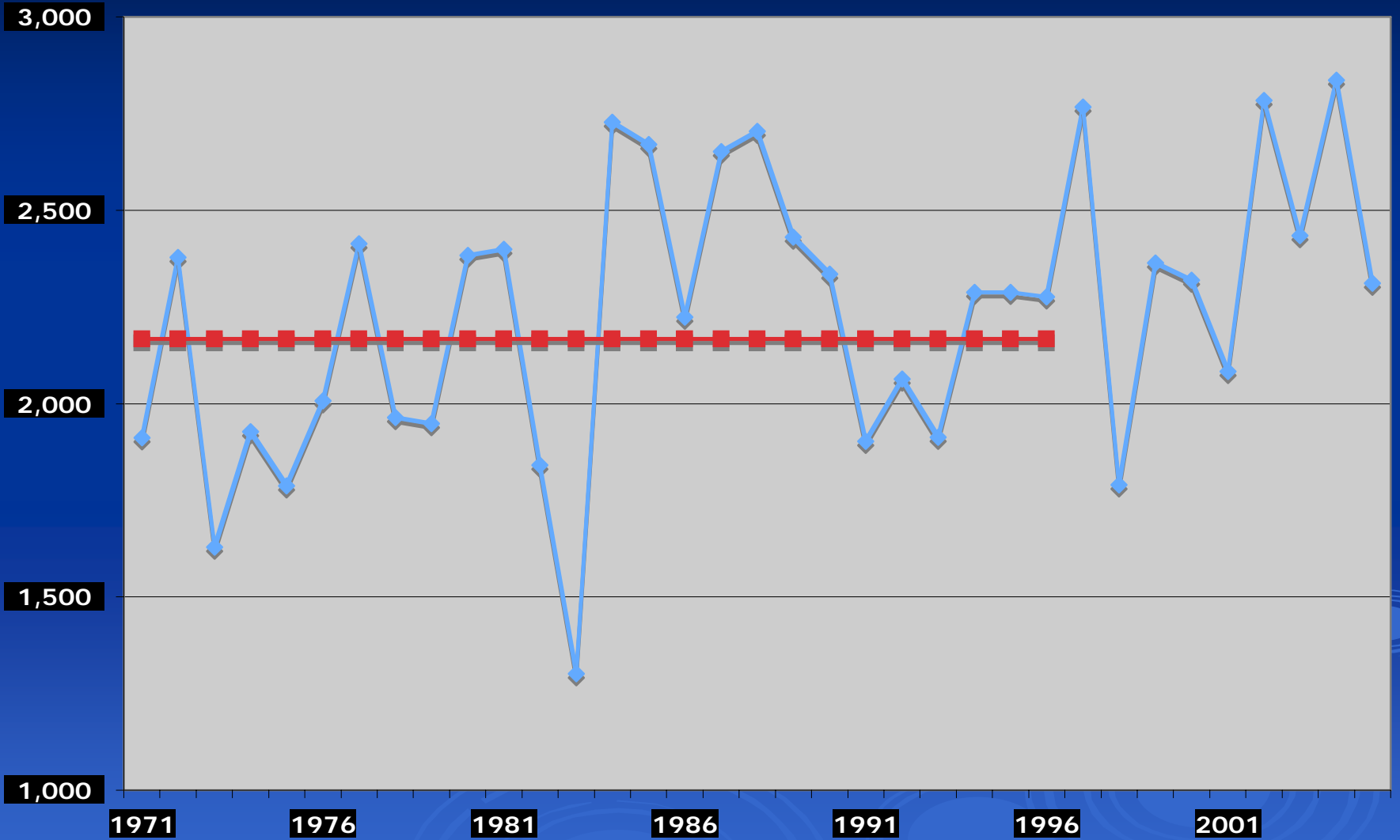
1971-2005 Annual Agricultural Water Use



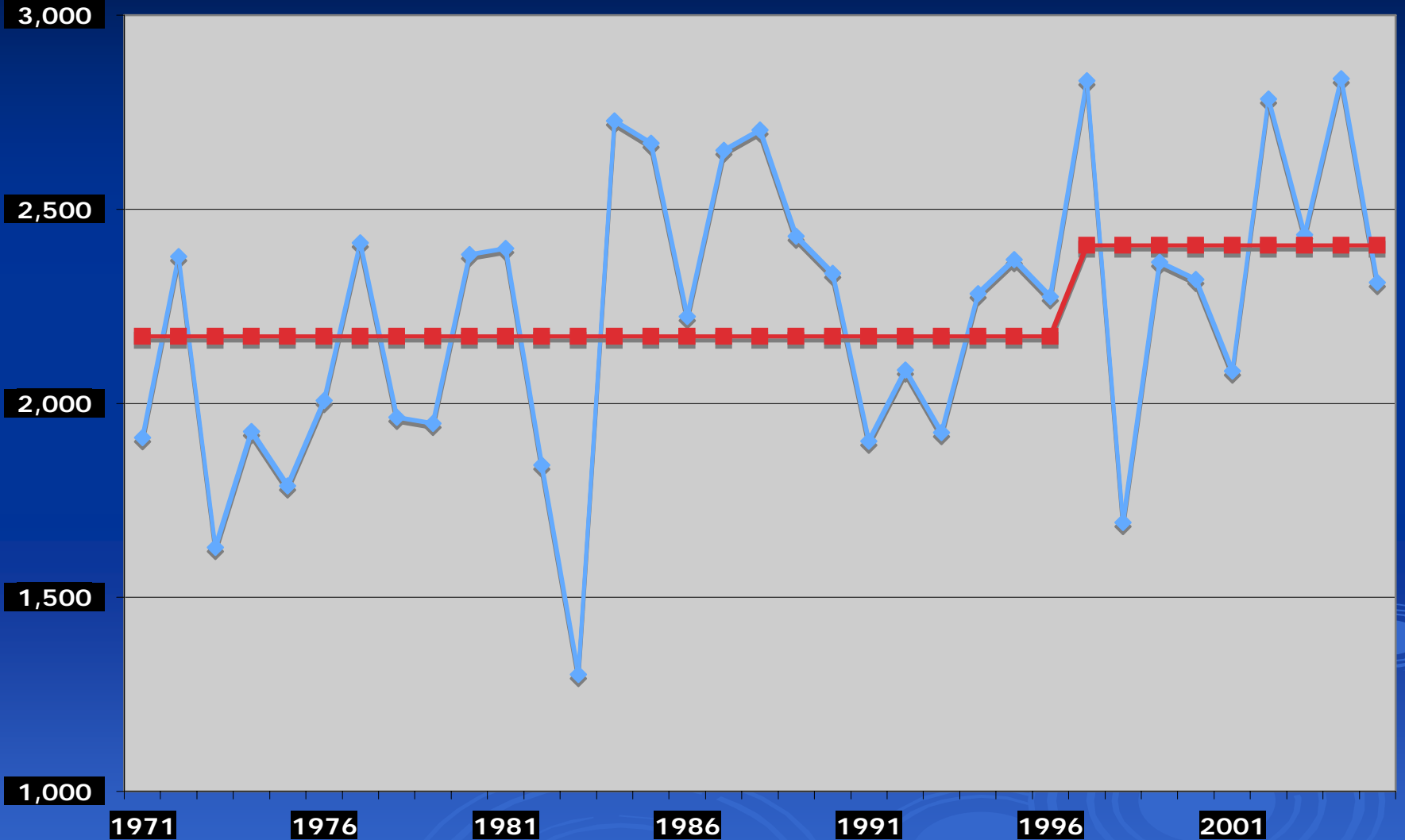
1971-2005 Use and Trend



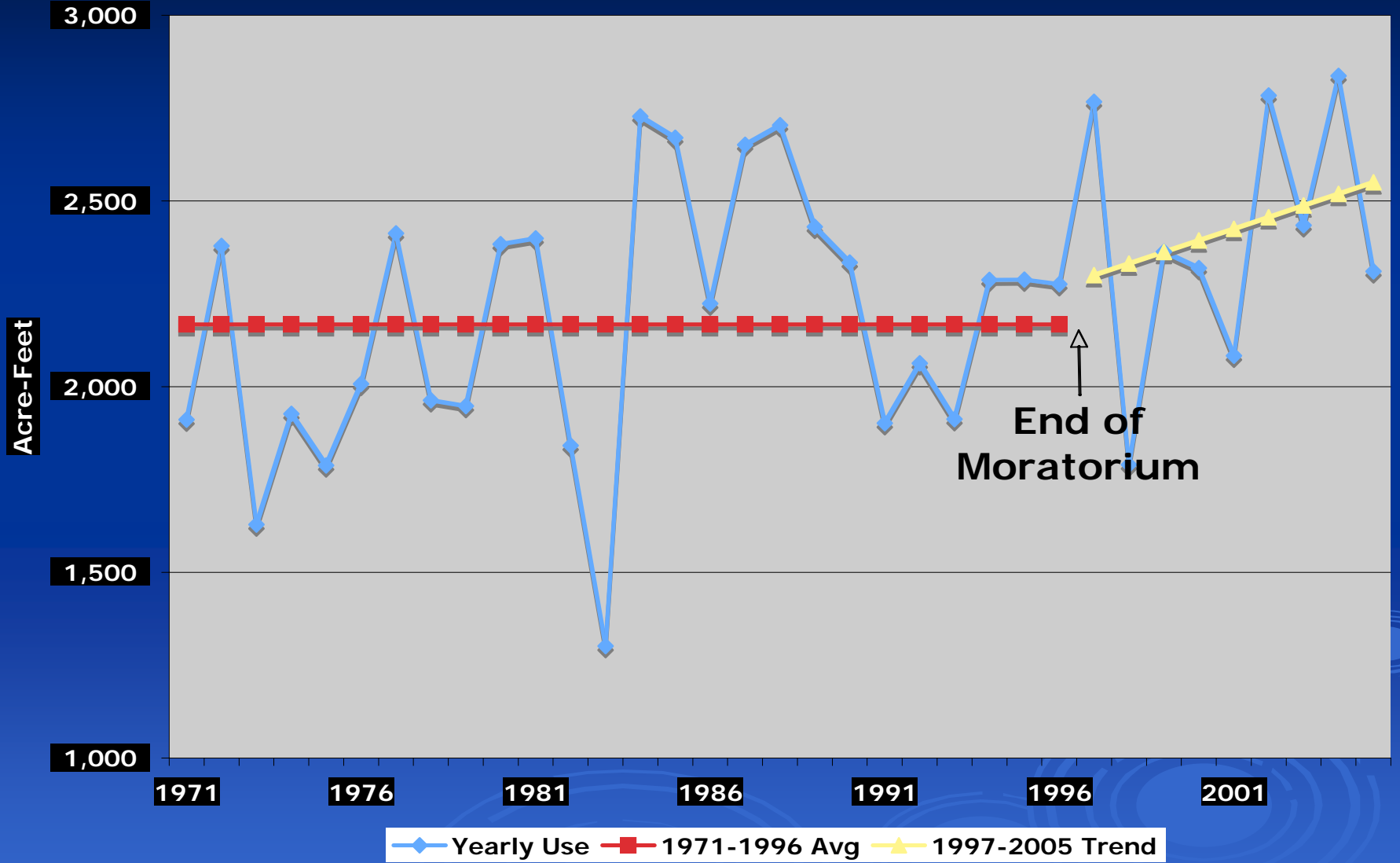
1971-2005 Use and 1971-1996 Average Use



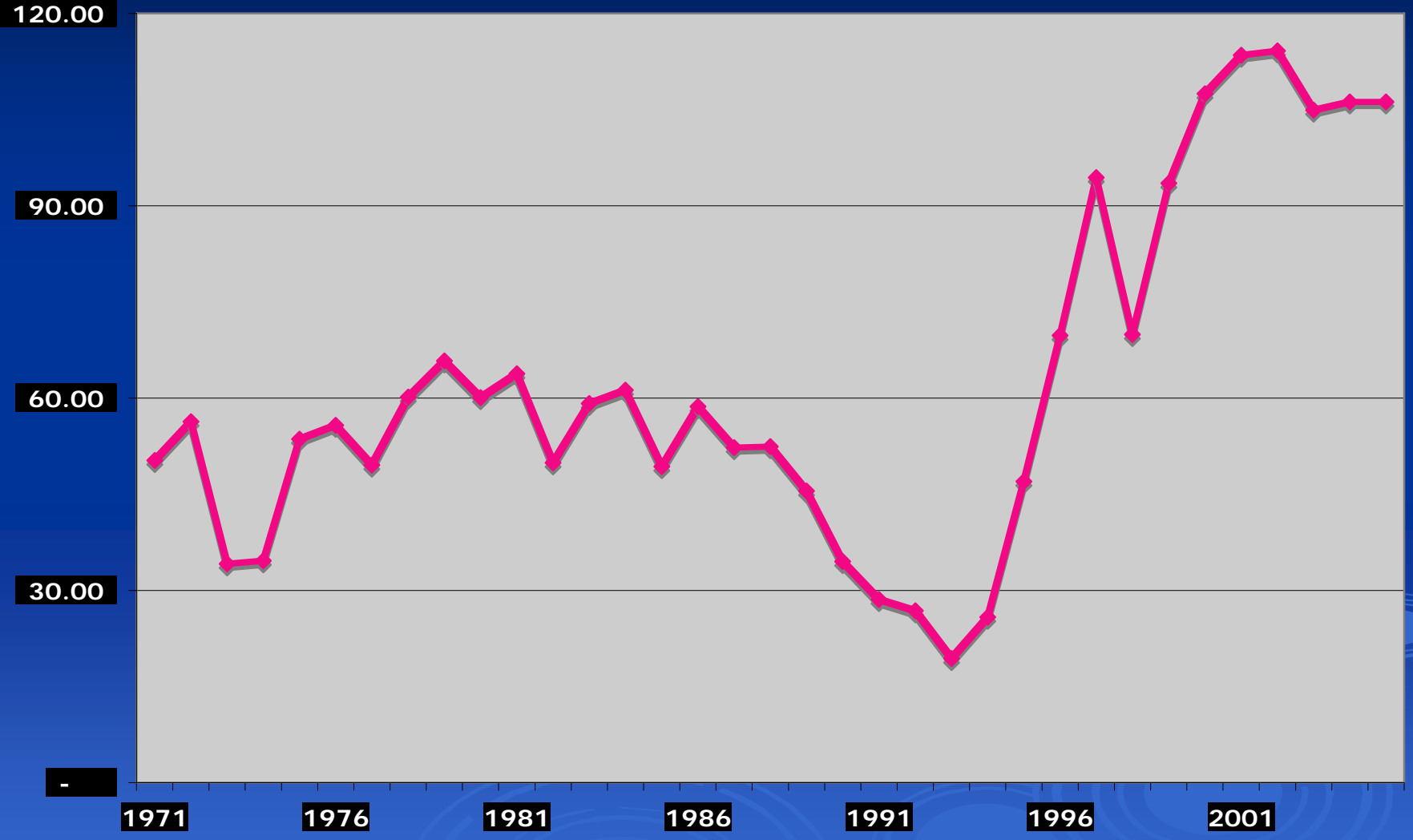
1971-2005 Water Use, 71-96 Average, 97-05 Average



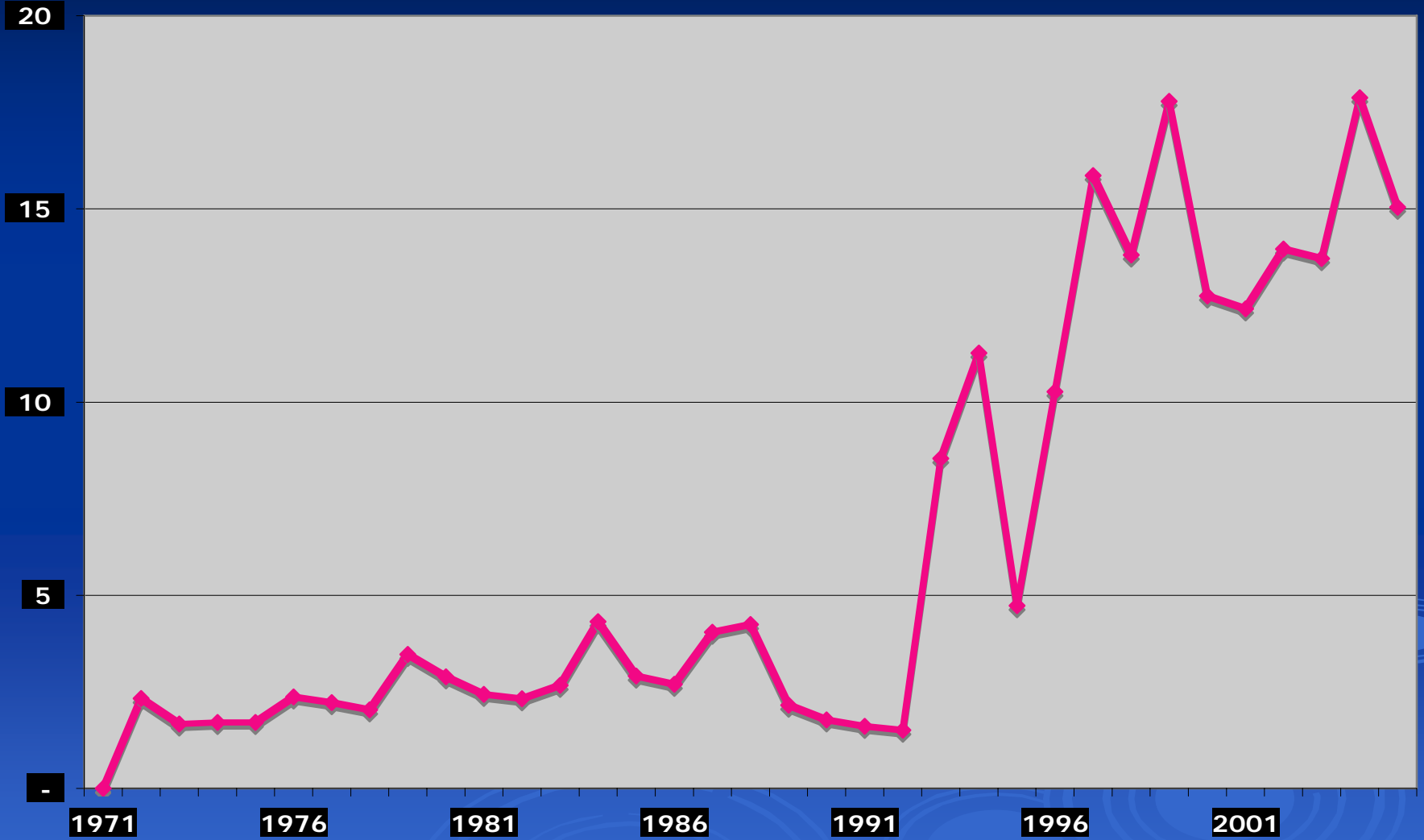
1971-2005 Yearly Use & 1971-1996 Average & 1997-2005 Trend



Example 1



Example 2



Example 3

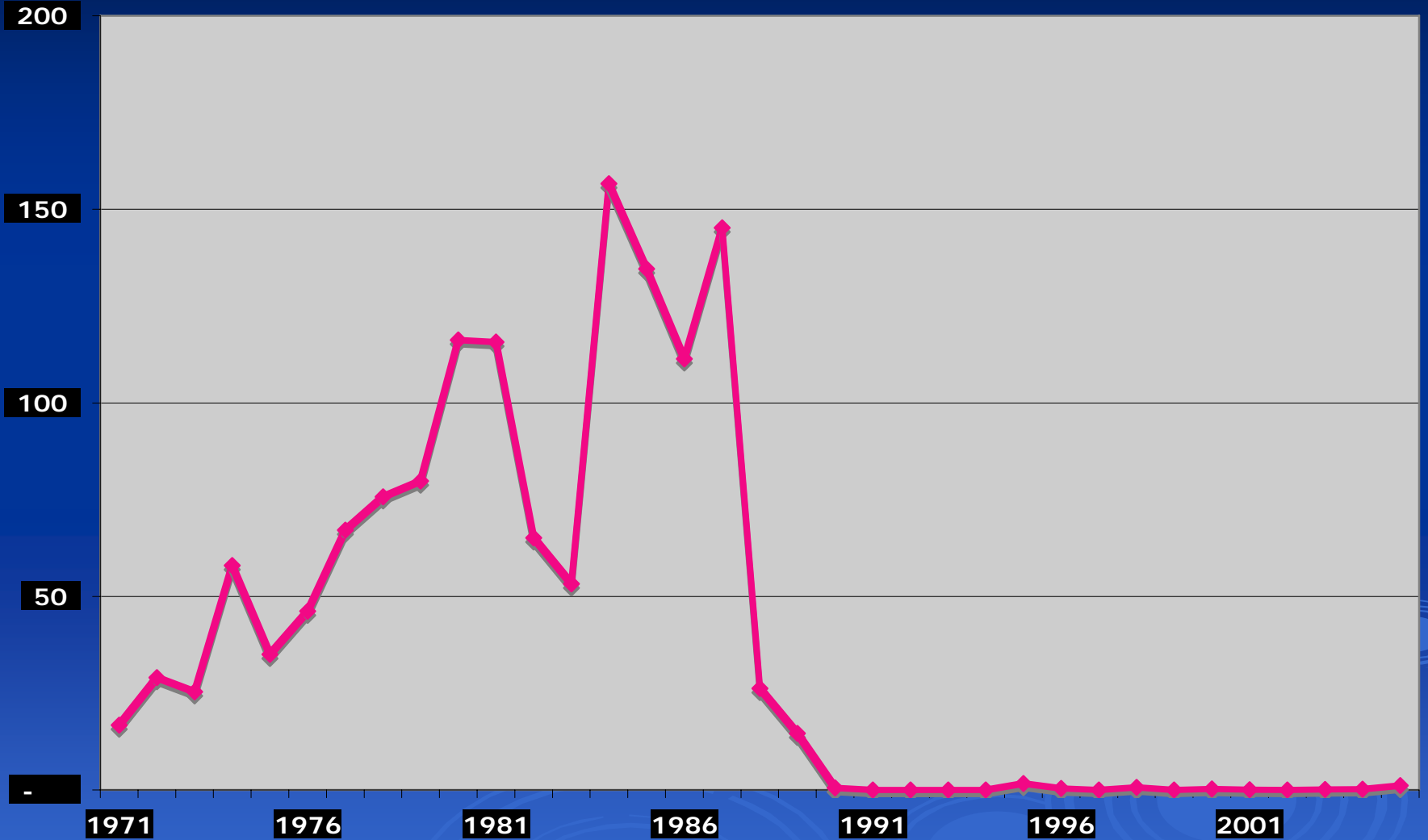


Table 1 – Farms*

Irrig acres	# of farms	% of total	Irrig acres	% of total
0 to 5	24	20%	44	2%
5.1 to 10	18	15%	116	2%
10.1 to 20	22	19%	222	5%
20.1 to 40	21	18%	398	10%
40.1 to 100	19	16%	621	15%
100.1 to 200	7	6%	529	13%
200.1 plus	9	8%	2,111	52%
	119		4,041	

■* Contiguous parcels farmed by a single owner. Actual number of parcels is 189. Actual meters number is 156.

Table 2 - Crops

Crop	Acres	% of total
avocados	2,167	0.54
lemons/citrus	1,124	0.28
nursery	432	0.11
vegetables	197	0.05
other	121	0.03
	4,041	

Table 3 – Acreage Summary

Total Acres	7,760
Farmed acres	4,041
Idle acres	924
Non-irrigated acres	800
Other (roads, etc.)	1,995
Farms with Wells	28
Agric. Preserve Parcels	55 / 189

1983

Photo Series 1

2005



1983

Photo Series 2



1995



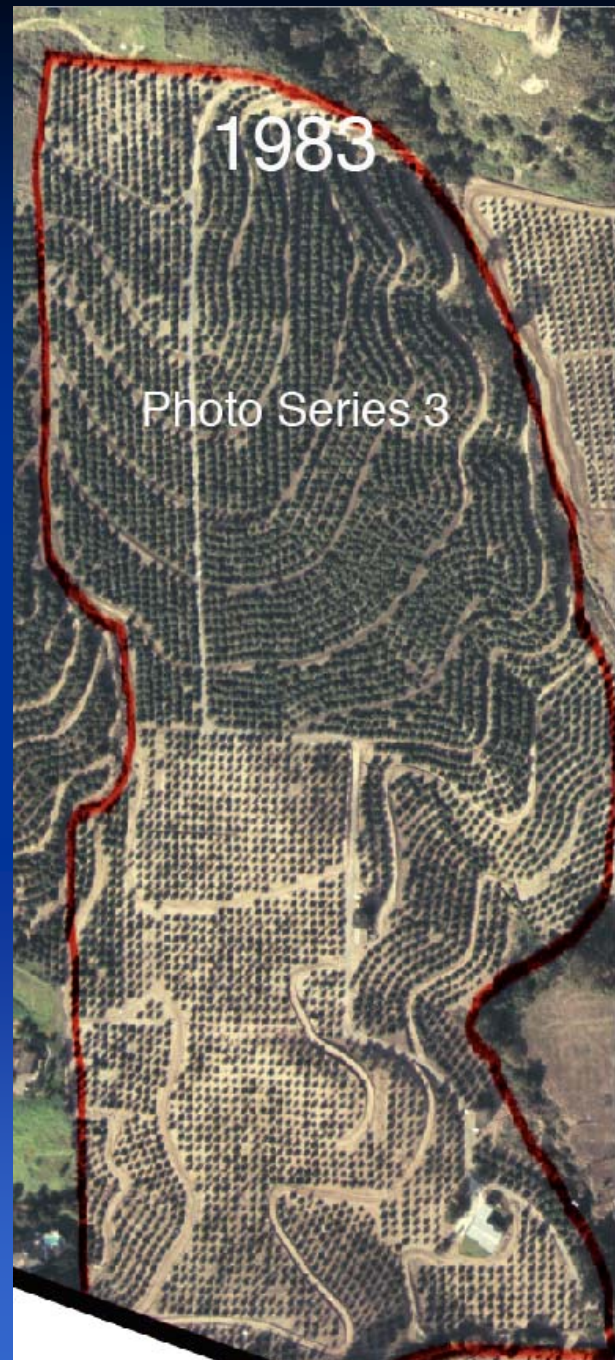
2005

1983

Photo Series 3

1995

2005





History of Protecting Agriculture

- Successful balancing of water for ag., urban and fish
 - Gov. agency/interest groups seeks to take 40% of water supply for fish. Cachuma water suppliers develop ongoing Fish Management Plan, hopefully avoid taking of water
- Pacific Institute claims farmers can conserve enough water so that 40% of all Cachuma water can be given to fish.
 - Cachuma water suppliers counter by showing our farmers already conserving
- State Health seeks to require District to fill an agriculture-only pipeline with treated water.
 - District negotiates interim alternative to avoid \$4 million cost to ag. Customers
- Santa Ynez downstream interests file protest with State Water Board to Cachuma use on Gaviota Coast.
 - Resolved with Settlement Agreement, allowing continued ag supply

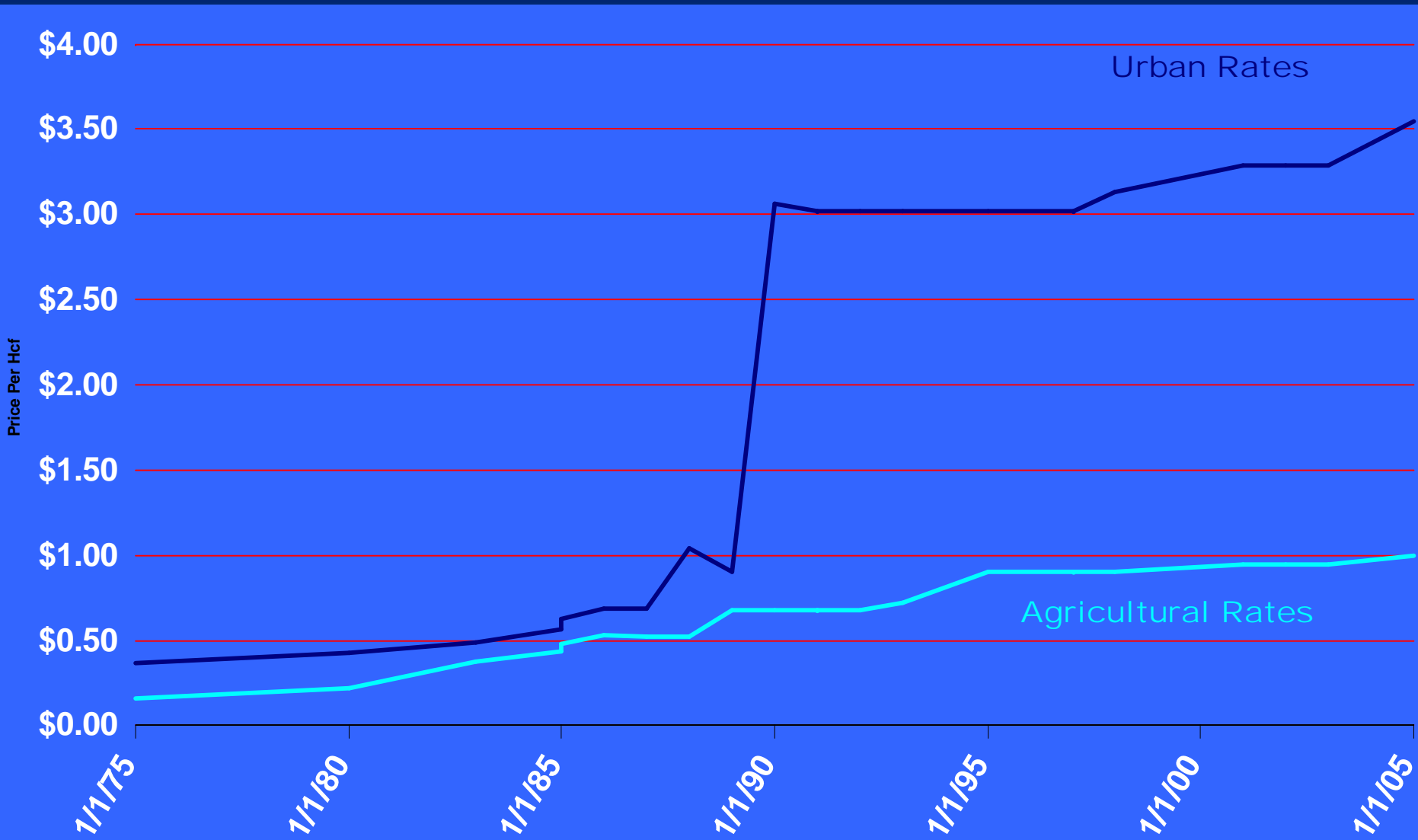
History of Protecting Agriculture

- US Bureau of Reclamation “Ability to Pay” analysis says farmers can afford \$1.19 in 1999
 - District successfully avoids an increase
- 1995 Renewed Cachuma Contract results in Federal Govt. charging more to ag. than to urban in order to repay costs
 - Cachuma water suppliers internally shift rates so that urban pays more and agriculture pays less.
- Before 1997 all customers in a total moratorium. Urban users invested over \$100 million for State and Recycled water.
 - This greatly improves supply reliability and helps avoid rationing. Example: In 2003/4 District would have initiated rationing without imported water. Farmers benefit from this without paying.

History of Protecting Agriculture

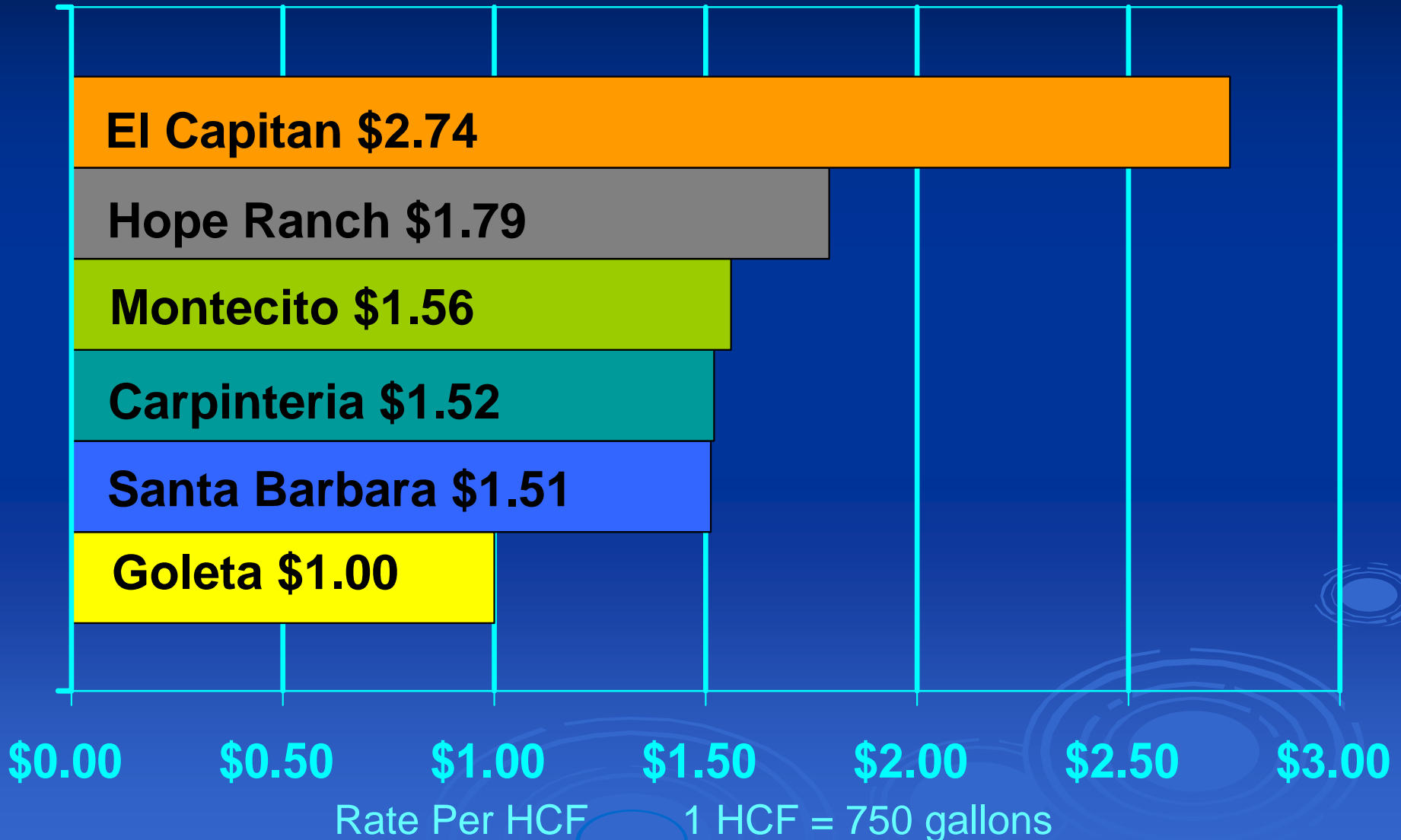
- Current ag use is about 2,500 acre feet
- District's Urban Water Management Plan
 - Plans for 2,500 AF of long term supply for agriculture, signaling to planning agencies and farmers long-term commitment
- 1997 Rate Study
 - Recommended 30% increase in ag rates. District does not increase ag rates.
- 2005 Rate Increase
 - 8% increase for urban to cover 2 years of inflationary increases. Only 5% increase for ag.

Rates by Customer Class



History of Protecting Agriculture IV

Lowest Ag. Rates in the Area





**4699 Hollister Avenue
Goleta, CA 93117-1999**

On the Web at:

www.Goletawater.com

Email: info@goletawater.com