



# Water Conservation Program Successes and Lessons Learned

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A vertical strip on the left side of the slide shows a topographic map of a coastline. The map features contour lines, a yellow line representing a path or boundary, and various geographical features like hills and water bodies.

# Water Conservation Program

- Planning
- Goals
- Activities
- Success Stories
- Results

# Plan Components

- Where is our service area?
- Who are our customers?
- Where does our water come from?
- What are our supply vulnerabilities?
- What are the storage capabilities?
- What is our present and future water use?
- How can we manage demand?
- How can we manage a water supply emergency?

# Plan Components

- How can we use recycled water in our system?
- How can we encourage the use of raw water for irrigation?
- What are our conservation goals?
- Implementation schedule?
- What budget and staffing is required to achieve our goals?
- What monitoring and reporting will need to be done to achieve our goals?

# Projected Water Use

Year	Static Projected Consumption (AF) (4% SFE growth)	Projected Consumption (AF) (2% conservation)
2010	4471	4041
2015	5440	4445
2025	8053	6580

# Current Goals

5-year

Program	Cumulative Conservation
Interior devices adopted	30 AF
Irrigation efficiency	200 AF
Xeriscape	100 AF
Industrial/Commercial	100 AF
<b>Total</b>	<b>430 AF</b>

# Current Goals

10-year

Program	Cumulative Conservation
Interior devices adopted	50 AF
Irrigation efficiency	450 AF
Xeriscape	300 AF
Industrial/Commercial	200 AF
<b>Total</b>	<b>1000 AF</b>

# Current Goals

20-year

Program	Cumulative Conservation
Interior devices adopted	100 AF
Irrigation efficiency	700 AF
Xeriscape	400 AF
Industrial/Commercial	300 AF
<b>Total</b>	<b>1500 AF</b>



# Activities - Interior

- Hotel towel and linen reuse program
- Restaurant program
- Device distribution
- Maintenance programs
- Leak detection
- Educational booths
- National Drinking Water Week



# Activities - Exterior

- Irrigation efficiency audits
- Consultations
- Xeriscape classes
- Irrigation Association classes
- Creekside Park
- Landscape tours

# Demand Management

- Permanent, year-round regulations
- Conservation
- Tiered rates
- Water Supply Emergency Plan
  - Temporary restrictions
  - Communications plan



# Water Conservation Program Success Stories – Homeowners

- Mountain Adapted Landscape Series
  - Landscape tour
  - Partners
  - Green industry involvement

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# 2005 Water Conservation Program Success Stories - Residential

- Residential:
  - The Reserve
  - Romano Residence
  - Baker Residence

# Water Conservation Program Success Stories - ICI

- Hotel/restaurant programs
  - Towel and linen reuse program
  - Materials provided free of charge
  - Voluntary
  - 16 AF reduction through 2005

# 2005 Water Conservation Program Success Stories – Partnerships

## ● Partnerships

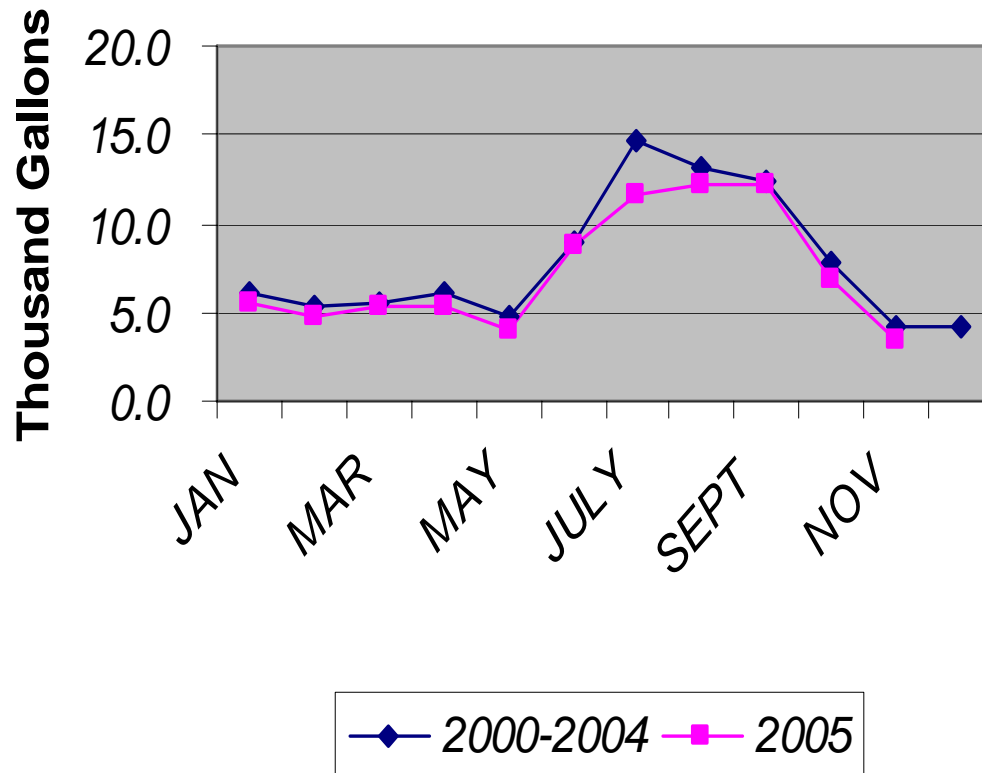
- Eagle Valley Library District
- Town of Vail
- Beaver Creek Homeowners Association
- CSU Cooperative Extension
- Irrigation suppliers
- Green industry

# 2005 Water Conservation Program Results

Program	Savings
Irrigation efficiency audits (14)	9 acre-feet 2,933,100 gallons
Hotel program	16 acre-feet 5,214,500 gallons
Residential successes	5.36 acre-feet 1,746,824 gallons
Commercial successes	5.4 acre-feet 1,759,850 gallons
Totals	11,654,274 gallons

# 2005 Water Conservation Program Consumption Trends

Monthly per SFE Water Consumption  
2000-04 Ave. v. 2005



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# Water Conservation Program

## Lessons learned

- Grant writing
- Networking
- Education
- Demonstrations



# Water Conservation Program Goals for 2006

- Educational Programs
- Irrigation efficiency audit grant
- New educational campaign
- Implement Water Supply Emergency Plan
- Refine customer consultations