




# Water Conservation Techniques for HOA's

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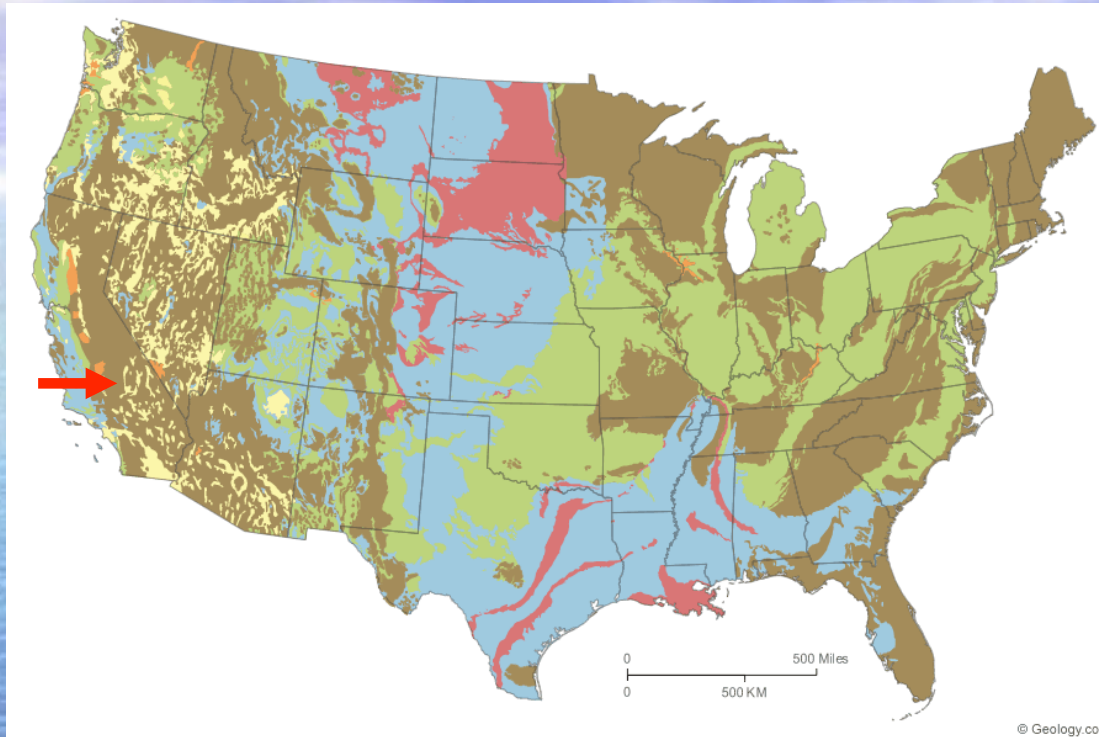
Water Conservation Coordinator  
Castle Pines Metropolitan District

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- Irrigation upgrades, repair and maintenance
  - Irrigation controller management
    - Landscape conversion

# Irrigation Upgrades, Repair and Maintenance

- Upgrades
  - Rotary nozzles
  - Rain sensor
  - Weather-based irrigation controller
- Repair and Maintenance
  - Spring system assessment
  - Weekly walk-through

# Rotary Nozzles



- Over 50 percent of these areas are underlain by soils with abundant clays of high swelling potential.
- Less than 50 percent of these areas are underlain by soils with clays of high swelling potential.
- Over 50 percent of these areas are underlain by soils with abundant clays of slight to moderate swelling potential.
- Less than 50 percent of these areas are underlain by soils with abundant clays of slight to moderate swelling potential.
- These areas are underlain by soils with little to no clays with swelling potential.
- Data insufficient to indicate the clay content or the swelling potential of soils.

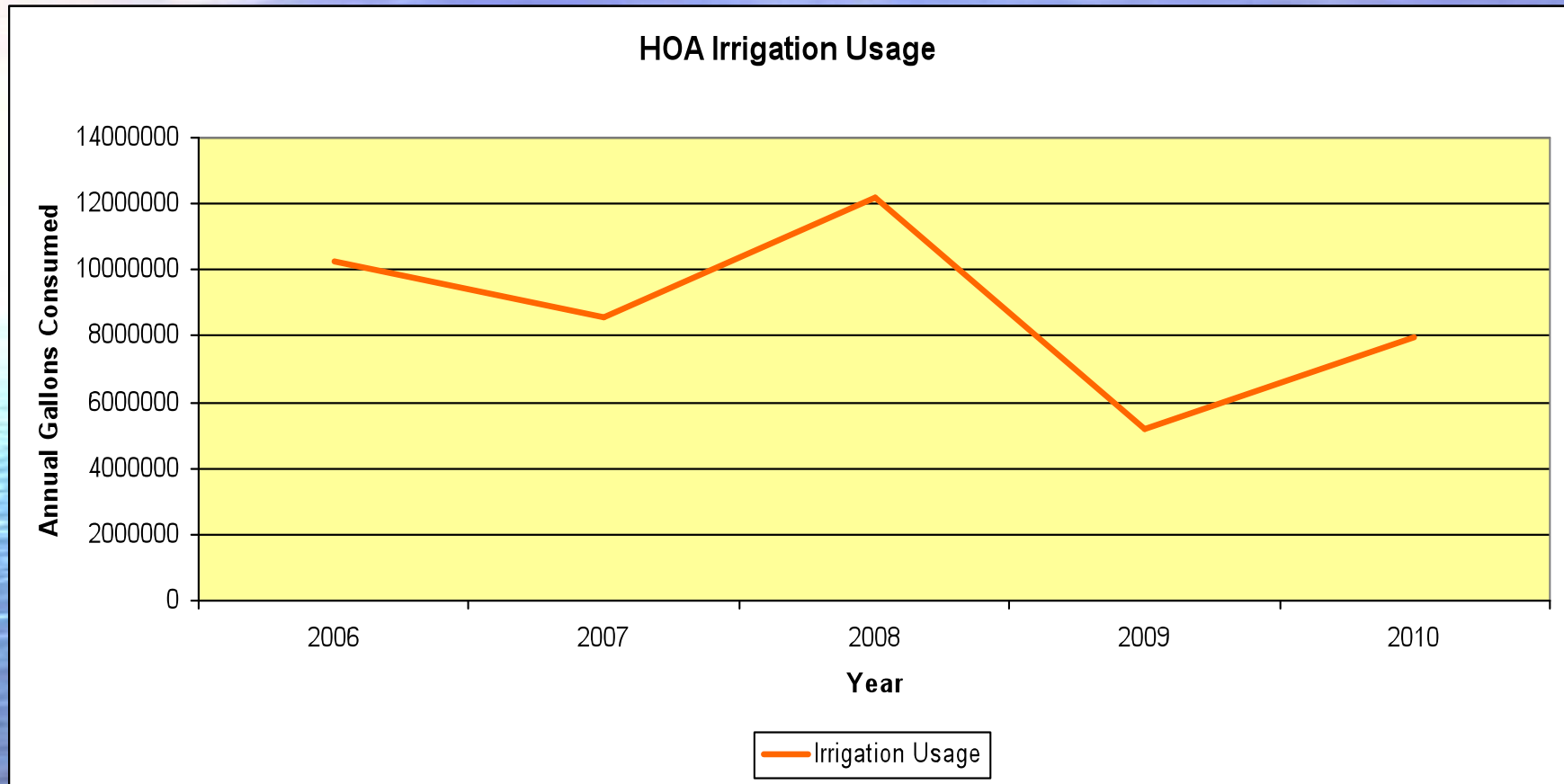


# Weather-based Controller

Uses local weather conditions to determine amount of water applied



# HOA - Village



# Landscape Conversion

Replace plant material with high water requirements with low-water using plants.

Most economical for areas that are aesthetically unpleasing or difficult to water appropriately.

# Most Important

- Combination of techniques

**Irrigation controller  
management and  
proper system  
maintenance!**

A wide-angle photograph of a calm ocean under a vast, blue sky with wispy clouds. The sun is low on the horizon, creating a bright, shimmering reflection on the water's surface. The overall mood is peaceful and grateful.

**Thank you!**