



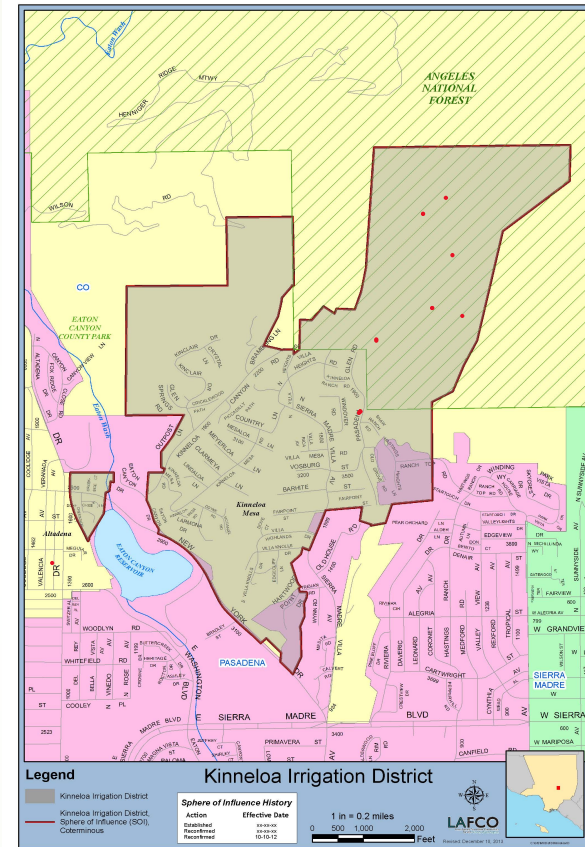
# Kinneloa Irrigation District

**Statewide Drought: Supplies and Conservation Actions**



# Service Area

- 590 Customers
- Population 1,940
- 2 water wells
- 5 water tunnels
- 5 booster stations
- 10 reservoirs





## Our Water Supply

- ▶ 100% groundwater from our wells and tunnels
- ▶ Member of the Foothill Municipal Water District for delivery of supplemental imported water if needed
- ▶ 6 interconnections with the City of Pasadena water system if needed in emergencies or planned maintenance





## Why is conservation (water use efficiency) needed?

- The District has limited adjudicated pumping rights in the Raymond Basin Aquifer
- The water level in the Raymond Basin is declining even with the voluntary reduction in pumping by the agencies in the Pasadena Subarea of the Raymond Basin
- The State Water Board may impose mandatory emergency regulations that could result in fines and penalties if there is a violation of the regulations
- The District wants to avoid the extreme expense of imported water as compared to local water





## What challenges does the Kinneloa Irrigation face in promoting water use efficiency?


- ▶ About 80% of our water is used to irrigate outdoor landscaping
- ▶ Our service area contains single-family residences on large lots ranging from one-half acre to 10 acres adjacent to the Angeles National Forest
- ▶ We are in an extreme wildfire hazard area and do not want our customers to stop watering
- ▶ Our customers have already done a lot to reduce water consumption since the last drought



Wildfires are a significant risk in  
Altadena and Kinneloa Mesa



**October 27, 1993 – Kinneloa Wildfire**



# What can our customers do to reduce water use?

- ▶ Change landscape to drought-tolerant and fire-resistant plants and trees
- ▶ Install efficient irrigation systems such as drip and mini sprayers
- ▶ Install weather-based irrigation controllers and moisture sensors to avoid over watering
- ▶ Reduce irrigation frequency