

Previous Challenge Grants Awarded in California

2007

Chowchilla Water District: The district will expand existing SCADA system to include measurement and control at 15 sites and measurement at an additional three sites. The project is estimated to save 6,000 acre-feet of water per year. The total project cost is \$729,792, including a *Water 2025* contribution of \$300,000.

City of Pasadena: The City of Pasadena will develop landscape mapping coverage to support ongoing conservation efforts using high resolution imagery. The project is estimated to save 1,700 acre-feet of water per year. The total project cost is \$384,230, including a *Water 2025* contribution of \$192,115.

City of Woodland: The City of Woodland will install SCADA system at City well field to measure water withdrawal, prevent spills and locate unauthorized water use. The project is estimated to save 2,453 acre-feet of water per year. The total project cost is \$1,231,503, including a *Water 2025* contribution of \$299,901.

Delano-Earlimart Irrigation District: The district will install 199 pressure regulators on turnouts to allow for downstream control. The project is estimated to save 9,200 acre-feet of water per year. The total project cost is \$599,487, including a *Water 2025* contribution of \$299,743.

East Bay Municipal Utility District: The district will install acoustic data loggers and digital correlators to identify leaks on a continuous basis. The project is estimated to save 550 acre-feet of water per year. The total project cost is \$600,000, including a *Water 2025* contribution of \$300,000.

Goleta Water District (1): The district will upgrade 6 oversized outdated water meters and install new valves, piping and vault boxes. The project is estimated to save 13 acre-feet of water per year and better manage 136 acre-feet per year. The total project cost is \$148,000, including a *Water 2025* contribution of \$58,000.

Goleta Water District (2): The district will install a SCADA system at 14 sites to increase the districts ability to monitor and control its water system. The project is estimated to better manage 5,720 acre-feet of water per year. The total project cost is \$800,000, including a *Water 2025* contribution of \$232,000.

Lost Hills Water District: The district will line 3.1 miles of open canal with geomembrane liner. The project is estimated to save 855 acre-feet of water per year. The total project cost is \$831,000, including a *Water 2025* contribution of \$300,000.

Madera Irrigation District: The district will create a groundwater bank; which will better-manage up to 20,000 acre-feet per year. The total project cost is \$1,390,010, including a *Water 2025* contribution of \$297,600.

Nevada Irrigation District: The district will replace 5,700 feet of unlined canal with 3,800 feet of 24" pipe. The project is estimated to save 188 acre-feet of water per year. The total project cost is \$1,063,000, including a *Water 2025* contribution of \$300,000.

Pelger Mutual Water Company: The water company will rehabilitate 1 mile of canal with geomembrane liner. The project is estimated to save 300 acre-feet of water per year. The total project cost is \$161,680, including a *Water 2025* contribution of \$80,000.

Rancho California Water District: The district will install 500 ET controllers. The project is estimated to save 430 acre-feet of water per year. The total project cost is \$480,156, including a *Water 2025* contribution of \$87,500.

San Diego County Water Authority (No. 065): Water Authority will develop water budget software potentially connecting to water billing system. The project is estimated to save 6,170 acre-feet of water per year. The total project cost is \$111,148, including a *Water 2025* contribution of \$ 55,574.

San Diego County Water Authority (No. 068): Water Authority will provide streamlined water audits for commercial landscapes. The project is estimated to save 1,177 acre-feet of water per year. The total project cost is \$125,254, including a *Water 2025* contribution of \$60,000.

San Luis Canal Company: The canal company will install a SCADA system bay station to eliminate spills. The project is estimated to save 23,100 acre-feet of water per year. The total project cost is \$190,000, including a *Water 2025* contribution of \$95,000

2008

Fresno Irrigation District: The District will upgrade the existing diversion structure with new control and diversion structures that will allow improved water management of water that enters the Enterprise Canal and is carried downstream. Construction includes a new control structure, automated control gates, replacement of the existing siphon structure and connection to the District's telemetry system. The project is estimated to save 15,000 acre-feet of water per year. The total project cost is \$1,061,060, including a *Water 2025* contribution of \$300,000.

Irvine Ranch Water District: The District will develop groundwater banking facilities on the Strand Ranch which will help reduce conflict for reduced imported supplies during dry years. The project is estimated to better manage up to 17,500 acre-feet of water per year. The total project cost is \$15,000,000, including a *Water 2025* contribution of \$300,000.

James Irrigation District: The project will reduce local and regional water conflicts by helping to eliminate the District's dependency on Central Valley Project water. The project proposes to expand an existing storage and recharge basin. The project is estimated to save 1,600 acre-feet of water per year. The total project cost is \$1,578,036, including a *Water 2025* contribution of \$300,000.

Solano Irrigation District: The Project consists of concrete lining currently unlined sections of canal. The project is estimated to save 800 acre-feet of water per year. The total project cost is \$901,500, including a *Water 2025* contribution of \$300,000.

West Basin Municipal Water District: This project involves the installation of Evapotranspiration (ET) Irrigation Controllers for urban landscapes that are 1 acre or greater in size. Through the installation of 558 ET Controllers, 20 to 50 percent of irrigation water will be conserved, thus reducing the need to import water to the region. The project will reduce excess water runoff up to 70 percent. The project is estimated to save 340 acre-feet of water per year. The total project cost is \$899,198, including a *Water 2025* contribution of \$300,000.