



HESPERIA UNIFIED SCHOOL DISTRICT

BACKGROUND

Formed in 1987 in San Bernardino County, California, Hesperia Unified School District (HUSD) serves the City of Hesperia and adjacent areas in the High Desert of San Bernardino County with an enrollment over 23,000 students. With energy costs on the rise, the state's elimination of deferred maintenance funding, and a backlog of significant deferred maintenance, the HUSD board and staff took action to solve the district's growing infrastructure challenges. District staff began their search for a solution and soon realized that the California Proposition 39 Clean Energy Jobs Act, which allows eligible local education agencies to apply for funds to complete energy efficiency projects and create jobs in their local markets, became one clear option to address the issue.

SOLUTION

Through a competitive RFP process in 2014, Climatec was selected to develop an Energy Master Plan to address all 22 campuses and the district office. Climatec identified nearly \$13M in unfunded building infrastructure and energy efficiency needs that were able to be self-funded through a combination of P39 funds and energy savings from a guaranteed energy performance contract. Infrastructure improvements included the modernization of over 300 classroom heating and cooling systems, installation of a new district-wide

building automation system, motion sensor controls for lighting and HVAC across the district, comprehensive LED lighting retrofits and the installation of a computer power management system. Additionally, Climatec addressed a solution to the challenging HVAC theft issue the District was facing by fabricating metal cages to protect the HVAC units and their parts and wiring.

RESULTS

With Climatec's persistence, Hesperia USD's energy project was one of the first to be approved by the California Energy Commission for Prop 39 funding. In addition to substantially relieving deferred maintenance this energy project produced over \$400K a year in General Fund relief and \$30M in savings over the life of the project. In just three months following implementation, the district has surpassed the original savings projections and reduced energy costs by 31%. HUSD is heavily reducing its carbon footprint and CO₂ emissions enough to power 338 Hesperia households for the next 15 years and remove 473 cars from California freeways every year.

AT A GLANCE

Project Type
Energy Performance Contract
(Guaranteed Savings)

Location
Hesperia, CA

Total Project
\$13M

Total Lifecycle Savings
\$28M

Funding Solutions
Prop 39
Municipal Lease
Utility Incentives

Annual Environmental Benefits

- ▶ 5.6M lbs. reduction in greenhouse gases
- ▶ 257k gallons of gasoline saved
- ▶ 68k trees preserved from deforestation
- ▶ 473 cars removed from California freeways
- ▶ 338 Hesperia households powered