



The City of Palmdale has made significant progress in its quest to become more energy-efficient since joining SoCalREN four years ago. The positive impact of its energy efficiency work with the Public Agency Program cannot be understated, and has benefited the City and community in multiple aspects including annual energy cost savings, improved outdoor environment and health, and increased safety.



Established **1886**



Incorporated **1962**



Population **157,356**



Area (Sq. Mi.) **106.21**



County of Los Angeles Supervisor District
5th District



Collectively, the projects completed to date have resulted in more than:



\$151,759
Annual Cost Savings



29%
Energy Reduction



1.3 Million kWh
Annual Energy Savings



20
Jobs Created



We have avoided **325** metric tons of CO₂ (GHG reduction),

which is equivalent to taking **69** cars off the road



The City has completed four projects:

- A two-phase LED street lighting retrofit project
- An exterior lighting retrofit project at three parks
- A mechanical project at six community swimming pools
- An interior lighting project at four facilities

Each project benefits Palmdale in a unique way. The park lighting retrofit project created a safer climate for park visitors and the lighting project at four facilities improved lighting quality for indoor users.

The street lighting upgrade project provided immediate energy and cost savings. In fact, the City was so pleased that it will be working with the Program to upgrade an additional 17,000 street lights, leveraging assistance to apply for and track incentives and On-Bill Financing, in addition to project management support.



Thanks to new variable frequency drives (VFDs) installed as part of the mechanical project at six community swimming pools, the City was able to develop a controls strategy, allowing it to meet required water turnover rates for public pools while still realizing energy savings.

Throughout its experience with the Program, the City has commented that it sees the project team as an extension of its staff. This successful collaboration has caught attention beyond the City, as Palmdale was recently awarded the 2017 "Best Use of Technology" accolade from the High Desert Branch of the American Public Works Association (APWA) for the lighting and mechanical projects described above.

“With our limited staff, the projects wouldn’t have happened without the SoCalREN Public Agency Program’s help.”

*Ben Lucha
Environmental and Technology Manager, City of Palmdale*