

Reducing Waste with Solar Power

Kerman Wastewater Treatment Plant • Kerman, CA



The wastewater treatment plant in the City of Kerman, California serves a community of more than 14,000 residents. Because the plant uses a large amount of electricity in its operations, ConEdison Solutions was hired to develop, own and operate a solar installation to meet a large portion of the plant's energy needs while protecting the City's budget from future utility rate increases. A \$1.6 million ground-mounted system was designed for a City-owned parcel of land. Through a 20-year power purchase agreement, the solar array was constructed at no upfront cost to the City. The power from the solar panels is generating savings for the city of Kerman of more than \$95,000 per year and the project has met the goal of providing 70 percent of the plant's electricity needs.



PROJECT HIGHLIGHTS

Environmental Benefits

CO₂ Offsets: 706,643 lbs. annually
CO₂ Equivalent: 61 cars removed from the road annually

Technology

Yingli-YL2595P-35B
Panels: 1680

System Size

487 kW (DC)

Savings:

\$1,900,000 over 20 years