MOLZENCORBIN

Las Cruces Cogeneration System

Client
Las Cruces

Completion
2018

Size
Two 300-kW Generators

Cost
$4,485,268

The City of Las Cruces hired Molzen Corbin to design a cogeneration facility at the Jacob A. Hands Wastewater Treatment Plant. The new facility would take methane, which is a byproduct of the digestion process, and use it to create electrical power and usable heat. This facility includes gas purification, two 300-kilowatt engine generators, heat recovery equipment, and electrical gear. The digester produced methane is sent through the gas purification process removing moisture, harmful gases, and particulates that can damage the generators. The cleaned methane is then sent to the engine generators creating both power and heat. Project benefits include reduced waste, reduced dependency on utility company power, sustainability, and cost-efficiency.

Scope of Work

Electrical Engineering, Construction Observation/Administration