

Taylor Farms | Gonzales, CA

Customer

Taylor Farms is the largest fresh vegetable processor and marketer in North America with 26 regional low-temperature processing facilities across the United States and Mexico. They are committed to reducing their carbon footprint through renewable and alternative energy and resource conservation.

Project

Site Host: Taylor Farms

Location: Gonzales, CA

Installation Date: 2016

Prime Mover: 2.0 MW natural gas genset

Secondary Energy: Aqueous ammonia absorption refrigeration at 9degF

Objective

Taylor Farms' Gonzales processing facility had existing wind and solar components, but they functioned independently of each other. The goal of the microgrid and cogen project was to integrate these existing distributed energy resources (DERs) and add firm power to form a microgrid system that could effectively take the facility off grid.

Solution

Concentric Power's Intelligent Microgrid Controller was installed to integrate and optimize all DERs, including the addition of a 2.0 MW cogen unit that the company developed specifically for the site.

As part of its Long-Term Service Agreement, Concentric Power's Operations and Maintenance technicians and engineers manage and optimize the equipment and provide technical services and ongoing reporting to the customer.

Results

By integrating solar, wind and cogeneration, Taylor Farms saw a reduction of 12,190 metric tons of CO2 emissions in one year, a 94 percent decrease from before the microgrid was completed. This is equivalent to the GHG emissions from 2,588 vehicles driven for one year.



CAMPBELL OFFICE

1550 Dell Avenue, Suite I
Campbell, CA 95008

SALINAS OFFICE

150 South Main Street, Suite 130
Salinas, CA 93901