



Project Highlight

Taylor Farms San Juan Bautista, CA

AMERESCO 

Integrated Microgrid Takes California Fresh Vegetable Production Facility Off the Grid

Technology Type:

Solar PV | Battery Energy Storage Systems |
Fuel Cells | Microgrid

Battery Energy Storage System

2 MW / 4 MWh

Solar Power Generation

2 MW

Fuel Cell Capacity

6 MW

Facility Size

450,000 square feet



Summary

Taylor Farms, North America's largest producer of healthy fresh foods, partnered with Ameresco, Bloom Energy, and Concept Clean Energy to install a microgrid capable of taking one of their California food processing facilities completely off the traditional energy grid. The project combines Ameresco's 2 MW / 4 MWh battery energy storage system, 6 MW of Bloom fuel cells, and 2 MW of solar power from Concept Clean Energy into a microgrid that is designed to power the entire 450,000 sq. ft. facility in San Juan Bautista, CA.



Solution

Taylor Farms' commitment to providing healthy fresh foods to customers could not be disrupted amid energy reliability challenges. To fulfill the facility's 365/24/7 power needs completely, this collaboration combines the strength of each technology and eliminates the need to rely on strained power grids. The renewable energy resources that will power the integrated microgrid include:

- 6 MW fuel cells (Bloom Energy)
- 2 MW power generation from solar (Concept Clean Energy)
- 2 MW / 4 MWh battery energy storage system (Ameresco)

We are looking forward to the energy stability this will provide our San Juan Bautista, California facility. Fresh food reliability is essential for our customers and it's more critical than ever to provide quality, fresh foods to North Americans.

Bruce Taylor
Chairman and CEO
Taylor Farms



Benefits

This partnership allows Taylor Farms to explore disconnecting from the regional power grid amid energy price escalations and reliability challenges and is designed to deliver the following benefits:

- Fuel cells and battery energy storage generate resilient, always-on power
- Reliable daytime power generation from solar
- Stable microgrid and storage provides security during periods of energy capacity shortfall addressing California's ongoing impact from extreme weather events
- Enables Taylor Farms to take control of their energy needs and establish price and power predictability
- Shows commitment to customers and serves as a model for decarbonizing agricultural production facilities - a major source of greenhouse gas emissions

Ameresco's team of energy experts can assist you in identifying the solution that fits your needs.

For more information about Ameresco and our full-range of energy efficiency and renewable energy solutions, please call **1-866-AMERESCO** or visit **ameresco.com**.

