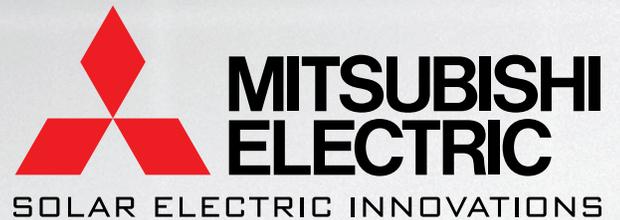


CASE STUDY

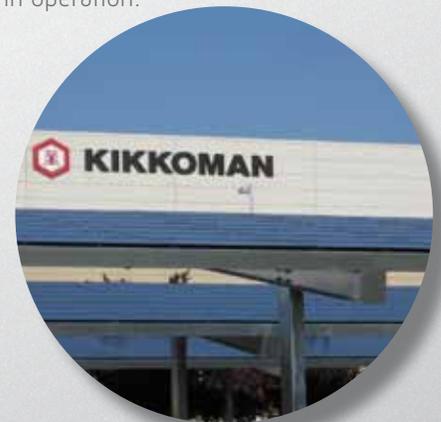


Kikkoman Foods Installs Solar Panels on Soy Sauce Factory

Respecting the environment has been at the center of Japanese culture, and Kikkoman's corporate culture, for centuries. Japanese companies with U.S. operations are increasingly choosing renewable energy to reduce their impact on the environment and save money on their monthly electric bill. In September, 2010 Kikkoman Foods, Inc., America's number one soy sauce producer, began using solar electricity from its new 106.6kW DC solar electric (photovoltaic) system at its facility in Folsom, Calif. The PV system will significantly reduce the need for fossil fuel-based electricity to power production and allows the company to sell solar electricity back to the grid when the facility is not in operation.

The Kikkoman solar system was installed as a fixed carport over the employee and visitor parking lot. It will serve the dual purpose of providing shade for cars while creating green energy for the company. Kikkoman chose to install a solar system at their Folsom facility due to the high number of sun hours in California, the attractive rebates from the California Solar Initiative Program and the Federal Tax Credit. The state and federal incentive, along with the reduction in the company's monthly electric bill, made the economics of the solar system very attractive.

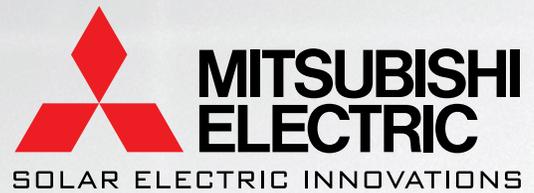
576 lead-free solder 185 watt Mitsubishi Electric solar modules were used in the installation. Mitsubishi Electric modules were chosen for their high energy output in real life conditions and their use of 100% lead-free solder. The system is expected to produce 150,000kWh annually, saving money and reducing the amount of greenhouse gases that would otherwise be released into the environment from burning fossil fuels. Along with its parent company in Japan, Kikkoman Foods, Inc. is committed to reducing its impact on the environment and providing power to the Folsom facility with solar electricity is an example of this commitment.



Case Study

KIKKOMAN FOODS

CASE STUDY



KIKKOMAN FOODS (cont.)

Japanese culture has a long history of valuing the environment and making sustainability a priority. As a Japanese company, Mitsubishi Electric shares similar values with Kikkoman Foods, Inc. about protecting our eco-system.

In addition to its plans to install a solar system on its California facility, Kikkoman Foods, Inc. has undertaken many other sustainability initiatives, including recycling and reusing almost all waste streams from the production process, energy conservation and energy efficiency improvements and improved water management. Since it began operation, Kikkoman Foods, Inc.'s California plant has received nine Waste Reduction Awards Program (WRAP) awards from the State of California and five consecutive Sacramento Sustainable Business Awards for its environmental protection activities.



FOR MORE INFO:

www.mitsubishielectricsolar.com

www.kikkoman.com

www.trane.com

PROJECT DETAILS:

System Size: 106.6 kw DC

Location: Folsom, Calif.

Solar Panels: 576 Mitsubishi Electric 185Wp modules

Inverter: 100kW Satcon

Mounting System: Custom built parking structure

System Integrator: Trane

Estimated Annual kWh: 150,000 kWh

Mitsubishi Electric
5665 Plaza Drive
Cypress, CA 90630
714-220-2500
pv@meus.mea.com
www.mitsubishielectricsolar.com