



## Mission Foods



### Mission Foods Puts Energy Management to Work in Manufacturing Processes

At its two Southern California manufacturing plants, Mission Foods operates 50 manufacturing lines that produce 500 million pounds of products annually. But with its commitment to energy management, this food processor—one of the world's largest tortilla and corn chip manufacturers—is finding ways to significantly lower its energy costs and carbon footprint while delivering the finest-quality products.

The company's first commitment placed its Rancho Cucamonga and Commerce plants on an interruptible rate (now the Time-of-Use Base Interruptible Program, or TOU-BIP) more than 10 years ago. Under TOU-BIP, Mission Foods receives a monthly credit for committing to reduce load to a pre-determined level during state-initiated interruption events. The two combined plants in California have earned more than \$424,609 over the last 10 years for participating in TOU-BIP.

This year, Mission Foods added to its Demand Response (DR) commitment by putting the Rancho Cucamonga plant on the Demand Bidding Program (DBP), which offers participants the opportunity

to receive bill credits for voluntarily reducing load during a DBP event.

#### Lighting Retrofit Savings of 1.3 Million kWh

In the Energy Efficiency (EE) arena, Mission Foods participates in SCE's Customized Solutions to gain industrial expertise and incentives that will help the company save more energy and money.

The Rancho Cucamonga plant completed a lighting retrofit a few years ago that brought an incentive of \$66,422 and annual savings of 1.3 million kWh, with a payback period of under 10 months.

#### Air Compressor Savings of 962,109 kWh

In 2010, the plant completed an air compressor upgrade that provided an incentive of \$97,489 with annual savings of 962,109 kWh and a payback period of just over one year. The project also helps Mission Foods operationally by allowing it to keep its old compressors as backups while using the newer, more efficient ones for everyday operations. Both of these projects earned Mission Foods \$163,911 in incentives.

#### Estimated Savings by Managing Energy

- *Location:* Rancho Cucamonga and Commerce, CA
- *Industry:* Food Processing
- *SCE Programs Utilized:* Customized Solutions, Technical Assistance & Technology Incentives (TA&TI), Demand Bidding Program (DBP), Time-of-Use Base Interruptible Program (TOU-BIP)
- *Incentives:* \$163,911
- *Savings:* Over 2 million kilowatt hours (kWh), \$424,609 TOU-BIP over the last 10 years

#### SCE INCENTIVES

# \$163,911

# Energy Management Success Story

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### Corporate-Wide Sustainability

To move forward with energy efficiency, Mission Foods is developing a formalized energy management program. Vice President of Sustainability Lucy Gonzalez says a corporate focus on sustainability will allow Mission Foods to proactively address more efficient use of all resources and stay ahead of the curve in light of pending greenhouse gas emissions regulations.

"The main driver always has been lower manufacturing and energy costs," adds Gonzalez. "Now with every project we also look at the environmental benefit as value-added to the project. We're not just lowering costs, but also reducing our carbon footprint."

There are other benefits as well. Daniel Padilla, Facility Manager at the Rancho Cucamonga facility says the lighting retrofit makes the plant look "better, brighter and cleaner." And he notes these projects "put the seeds into our employees' minds that we're doing our part." By sharing energy-efficiency information with employees, he adds, they can take that information home with them and become more efficient in their own lives.

Currently, the Mission Foods Rancho Cucamonga plant is involved in the Technical Assistance & Technology Incentives (TA & TI) Program to



participate in DBP using Automated Demand Response (Auto-DR) technology to automatically reduce their load. The audit identified 800 kW of load curtailment opportunity per event, resulting in a \$250,000 technical incentive to install an Energy Management System (EMS). "This new automation will allow us to pick and choose which equipment to reduce energy consumption automatically, instead of, relying on our employees to shut down the equipment," comments Padilla.

"It's important to be more conscious of all of the energy-saving possibilities out there," Gonzalez says, while giving SCE high marks for understanding the company's needs. "There's just so much to improve and reduce energy usage. SCE will be a big part of what we do next year and in years to come."

To see how Mission Foods saved, please watch the video [www.sce.com/businessvideos](http://www.sce.com/businessvideos)

**"It's important to be more conscious of all of the energy-saving possibilities out there."**

Daniel Padilla, Mission Foods  
Facility Manager, Rancho  
Cucamonga

### Earn Even More Savings with Other SCE Offerings

- Install SCE's Automated Demand Response (Auto-DR). It incorporates automated load control systems (an energy management system) to carry out Demand Response strategies and reduce energy load during peak hours, without manual intervention.  
**(866) 238-3605**  
[www.sce.com/autodr](http://www.sce.com/autodr)
- Use Web-based tools like SCE EnergyManager® to monitor your electricity usage in real time and over the long term.  
**(888) 462-7078**  
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- Take free SCE classes in lighting, HVAC, energy management and more at an Edison Energy Education Center.  
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[www.sce.com/workshops](http://www.sce.com/workshops)
- Discover insights on building equipment efficiency and custom energy-reducing recommendations for your business.  
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