



Glacier Cold Storage



Rick McCutcheon,
Vice President,
Glacier Cold Storage

Energy Management for Warehousing at Glacier Cold Storage: Cool Savings

Glacier Cold Storage in Huntington Park stores and transports millions of pounds of frozen meat and poultry products in any given week, serving restaurants and institutional food services throughout greater Los Angeles. Supervising an operation that covers over 90,000 square feet of refrigerated space, Vice President Rick McCutcheon handles all kinds of challenges to stay “center of the plate” for Glacier’s customers. High on the company’s menu for success is energy management.

Glacier’s most recent win came from shifting a daily battery charging operation away from on-peak hours. The change makes Glacier better able to both keep energy costs down and please its clients.

Off-Peak Hours, Top Energy Savings

McCutcheon explains, “we use battery-powered electric vehicles and lifters to move the freight in our facility. We used to charge them in the middle of the day. An idea from Southern California Edison (SCE) alerted us to a better option — off-peak charging, when time-of-use (TOU) electricity rates are lower.”

“At first, I wasn’t sure we were going to be able to avoid the on-peak electrical rates and still maintain our effectiveness and service,” McCutcheon says, “but after evaluating what we learned from SCE about the possible savings, we decided to make the shift. We consume about 18% of our electricity on lift equipment. By shifting load to off-peak hours, we cut that expense by about 40%, even after buying additional batteries. Now, we actually lock out our battery-chargers during the peak electrical rates, noon to six. Our consumption is the same, but we’ve trimmed our electricity costs dramatically. The savings have offset the cost of the new batteries, and they’ll continue for as long as we’re in business.”

Electricity Savings: Trimming the Fat

Glacier is an industry leader in energy-management tactics. “For years we’ve been load-shifting away from on-peak hours to take advantage of comparative rates,” McCutcheon says. “We had questions at first — would turning equipment off affect our operational quality or the service we deliver to customers? We found that when we shut off some equipment and

Estimated Savings by Managing Energy

- *Location:* Huntington Park, CA
- *Industry:* Warehousing/Cold Storage
- *SCE Programs Utilized:* Time-of-Use (TOU) Rate Schedule
- *Results:* 40% savings on energy for charging electric vehicles during off-peak hours on an SCE TOU rate schedule; load-shifting for savings at off-peak hours in insulated spaces

ESTIMATED COST SAVINGS

40%

Energy Management Success Story

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evaluated the insulation and temperatures of our storage areas, we didn't compromise the effectiveness of those areas. We were one of the first companies to do that. Now it's common practice. SCE helped us understand the idea back when we opened this facility. We've been doing that ever since, every day."

Making Savings Standard Operating Procedure

"Our early struggle with electricity costs was a blessing in disguise, because it motivated us to find a better

way," McCutcheon says. "Some managers don't realize how much of their profit and loss statement is related to energy costs. Some companies assume, 'Hey, that's just my power bill,' and they look for savings in other areas of their operation while they miss opportunities to save money by managing their energy costs. For Glacier, it's not 'just my power bill.' Sound energy management is vital to our competitiveness, so we make improvements as quickly and as effectively as we can."



"It's vital to our competitiveness to make energy-management improvements as soon and as effectively as we can."

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Earn Even More Savings with Other SCE Offerings

Southern California Edison offers a range of energy management solutions to help you better manage your electricity costs.

- Save more with SCE's Demand Response Programs, such as Critical Peak Pricing, Demand Bidding Program and Summer Discount Plan, which offer low cost ways to reduce your electrical bill for agreeing to temporarily reduce electricity usage during peak hours.
(866) 334-7827
www.sce.com/drp
- Purchase qualifying energy-efficient equipment or technologies and receive incentives and rebates through SCE's Express and Customized Solutions.
(800) 736-4777
www.sce.com/Express_Solutions
www.sce.com/Customized_Solutions
- Use Savings By Design for project assistance and financial incentives for the design and construction of energy-efficient buildings and installation of high-efficiency building systems.
(800) 338-8502
www.savingsbydesign.com
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