

Energy PartnerSM Success Spotlight

Henningsen Cold Storage

If you work anywhere near the cold supply chain, you probably know the name Henningsen. The majority of their customers are food and beverage manufacturing companies that require frozen or refrigerated storage for their products. PGE's Energy Partner demand response program is a great choice for cold storage providers because it's easy to shift energy for a few hours to earn significant money without impacting operations.



Savings solutions created together

Chief engineer Jenson Storm says there are several ways Energy Partner works well for Henningsen and it all comes down to revenue:

- **Easy automation** – “I knew what I wanted to do, so I just asked. PGE invested some money in our facilities to make the process more automated.”
- **Flexibility** – “I like having the ability to maximize my earnings by requesting a short notification time and participating in all of the events.”

- **Simple strategies** – “At one of our facilities, we have 50 million pounds of frozen product. We can do little things to reduce power like backing off fan speeds or reducing suction pressure, and the temperatures will still hold.”

Storm agrees cold storage is a perfect fit for Energy Partner:

“I don't understand why any facility would not participate. We are a big flywheel for the electrical grid.”

Fast Facts



Industry

Cold storage



Energy Partner strategy

Automated:

- Curtail designated refrigeration

Manual:

- Disable forklift battery charging station
- Turn off inactive printers and monitors
- Adjust HVAC setpoints



Curtable load

2 locations:

Winter: 265 kW

Summer: 450 kW



Frequently Asked Questions

How do I know what energy I can shift or reduce?

Our engineering team will consult with you and your staff to develop a detailed load reduction plan to guide your participation.

What happens if something comes up and I am unable to participate?

If you are unable to shift or reduce your load for a specific event, don't worry—you can qualify for partial incentive payments if you can reach 70% or above of the target. If that isn't possible, your incentives reset, and you start fresh the next program month. There are also 4 "opt out" days per season in case you know ahead of time that there are dates when you will not be available to participate.

How much does it cost to enable my facility?

Participation in Energy Partner is free. PGE covers the cost of the energy monitoring equipment and any controls upgrades necessary to help you reduce load.

How does automated participation work?

Your Logix or controls system can be programmed to run a load shed sequence temporarily for an event. This response can be fully automated with a signal sent from PGE, or it can be set up as a dashboard that you control from your terminal. Many cold storage companies find this an extremely easy way to participate in Energy Partner without having to even think about it. Plus, the cost of the controls is covered by PGE so you pay nothing to participate.

How much demand do we have to reduce for an event?

The target load reduction is set by you. Our engineering team will help you decide what opportunities you have to reduce and will provide estimates for what each action will save and how much money you can make. Then you can decide what target makes sense for you. We can always adjust that target from month to month as your usage changes and you get more familiar with the events.

“As an engineer, I'm always asked to save money. This is the only avenue I have to make money.”

— Jenson Storm,
Henningsen Chief Engineer

Discover how Energy Partner can work for you

Contact your PGE representative or an Energy Partner specialist today.



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