



An employee works in a Trident Seafoods facility. Courtesy of Trident Seafoods.

PSE Business Demand Response program pays for all businesses

A case study of Lineage Logistics and Trident Seafoods

Customer background

Lineage Logistics—a worldwide leader in cold storage and logistics—and **Trident Seafoods**—North America’s largest vertically integrated commercial seafood company—couldn’t be two more different businesses. Yet, PSE’s Business Demand Response program (BDRP) has helped both unlock revenue and advance sustainability.

“It’s a great program, and they are great people to work with. Participation is painless, and we are very satisfied with the experience.” – Nick Alderman, facilities maintenance manager at Lineage Logistics”

Nick Alderman
Facilities Maintenance Manager, Lineage Logistics

Energy savings at a glance: Lineage Logistics



ELECTRIC SAVINGS

577 kW

of demand able to be reduced during an emergency event

504 kW

of demand able to be reduced during a peak demand event



PSE INCENTIVES PAID

\$16,900+

in earnings from dual participation in PSE’s Emergency and Peak Demand Programs



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Energy challenges and opportunities

Because of the need to maintain product quality, the cold chain industry has heavy energy demands and depends on critical assets. However, Lineage Logistics is firmly committed to energy conservation and sustainability. Given its focus on energy conservation, **Lineage's Algona** facility participating in BDRP was a logical step.

With a commitment to energy efficiency and sustainability, **Trident Seafoods** was looking for solutions to make progress on an aggressive energy reduction plan. With a 30-year history of collaboration with PSE on energy programs at its Anacortes facility, Trident was optimistic about the potential benefits of participating in BDRP and that they could get paid for temporarily shutting down equipment.

How PSE helped

PSE introduced Lineage Logistics and Trident Seafoods to its demand response partner, Enel North America, to build out a plan for success. As part of this partnership, Enel helps facilities develop customized load reduction strategies to implement during demand response events and maximize payments while keeping operational disruption to a minimum.

When **Lineage Logistics** receives a notification from Enel about an upcoming demand response event, they shut down refrigeration systems entirely for about two hours at a time.

When **Trident Seafoods** receives a notification from Enel about an upcoming demand response event, they shut down all evaporation, unload the main compressor for cold storage, and shut the compressor down. Then, after the reduction strategies window is over, they pull the cold storage back down to temperature that night.

This load reduction strategy, also known as an energy reduction plan, of strategic load shifting allows Lineage and Trident to participate in BDRP without disrupting their operations or affecting product quality. Through proactive and effective communication, PSE and Enel ensure a seamless participation process for both companies.

Energy savings at a glance: Trident Seafoods



ELECTRIC SAVINGS

464 kW

of demand able to be reduced during an emergency event

178 kW

of demand able to be reduced during a peak demand event



PSE INCENTIVES PAID

\$24,300+

in earnings from dual participation in PSE's Emergency and Peak Demand Programs

"It's the right thing to do. If Trident can help the power grid on high-demand days and shut down cold storage to run at lower peak hours and get paid for our efforts, it's a win."

Jeff Johnson

Refrigeration Manager, Trident Seafoods



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