



Project Highlight

Fresh Island Fish, HI

AMERESCO 

Energy Infrastructure Project Modernizes Processing Plant and Enhances Sustainable Operations

Technology Type:

Energy Efficiency | Infrastructure Heat Recovery |
Interior LED Lighting & Controls | Refrigerant
Modernization | Solar PV | Plumbing Retrofits |
Engineering, Procurement & Construction (EPC)

Project Size

\$5.8 million

Solar Capacity

200 kW

Facility Size

27,000 square feet

Project Duration

~2 years



Summary

Ameresco partnered with Fresh Island Fish to modernize the Pier 38 processing facility in Honolulu, Hawaii, a critical hub for receiving, processing, and distributing fresh seafood across the State of Hawaii. The \$5.8 million, two year project delivered a comprehensive energy infrastructure upgrade, integrating on-site solar power, advanced refrigeration systems, and high efficiency lighting, HVAC, and water improvements across the 27,000 square feet facility. These enhancements improve reliability, reduce environmental impact, and support long term operational savings.



Solution

Ameresco delivered a comprehensive modernization of Fresh Island Fish's energy and mechanical infrastructure. The scope focused on integrating renewable energy systems, upgrading mission-critical refrigeration, and enhancing facility performance at a plant that processes approximately 15,000 pounds of fresh fish each day. By working in close coordination with on-site operations throughout design and construction, the project team ensured seamless implementation. Specific solutions include:

- Installation of a 200 Kw solar PV system with integrated roof warranty
- Installation of a solar-thermal refrigeration system
- Refrigeration equipment modernization with remote climate and monitoring controls
- LED lighting retrofit with occupancy sensors
- Hot water heat recovery system replacement
- Water-efficient plumbing fixture retrofits



As a family-owned business, sustainability is at the core of everything we do. Partnering with Ameresco allowed us to modernize our facilities and take concrete steps toward a more sustainable future for Hawaii's oceans and community.

Sean Dang, *President,*
Fresh Island Fish



Benefits

The modernization program delivered operational, financial, and environmental benefits for Fresh Island Fish. By integrating on-site solar PV and solar-thermal refrigeration with key mechanical and building system upgrades, the project reduced energy demand while improving overall facility performance. These improvements enhance refrigeration reliability, lower long-term operating costs, and strengthen the company's ability to operate sustainably and resiliently in support of Hawaii's seafood supply chain. Additional benefits include:

- Reduced electricity consumption and utility costs
- Lowered emissions through solar PV and solar-thermal technologies
- Improved refrigeration reliability and temperature stability for product quality
- Decreased maintenance costs with upgraded equipment and controls
- Supported securing Hawaii energy rebates and tax incentives
- Built long-term resilience and reliability with corrosion-resistant construction and comprehensive system warranties

Ameresco's team of energy experts can assist you in identifying the solution that fits your needs.

For more information about Ameresco and our full-range of energy infrastructure solutions, please call **1-866-AMERESCO** or visit **ameresco.com**.

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