

ISLA FRIO REFRIGERATION COMPANY

RENEWABLE ENERGY GENERATION CASE STUDY
WINTER 2021



RenewEnergy

PARTNERS

In partnership with:



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Project Summary

- Client: Isla Frio Refrigeration Company
- Measures: Thermal Energy Storage
- Structure: Energy Service Agreement (ESA)
- Operating Term: 6 years
- Climate Impacts: 209 Metric Tons per Year
- Status: Operational since Winter 2021



Project Description

Renew Energy Partners, LLC (RENEW) with its implementation partner (Viking Cold Solutions) funded, designed, procured, and built a thermal energy storage system that provides energy savings and improved climate resiliency for Isla Frio Refrigeration. This upgrade ensures the company can deliver high quality service while being able to withstand destructive natural disasters that have become more frequent in Puerto Rico.

The company owns and operates a 147,000 square foot hurricane-resistant cold and dry storage warehouse located in Cidra, Puerto Rico. The facility is used to provide cold storage to the entirety of the Island as one of only two cold storage operators in Puerto Rico.

The installation of a thermal management system will allow the company to lower energy usage, provide superior temperature control, and improve profitability. The upgrade reduces the facility's carbon footprint, increase its climate resiliency, and improves profitability.

Isla Frio was able to put into service this energy efficiency system without using its capital budget or adding debt to its balance sheet. Through its partnership with RENEW the company was able to reallocate capital to invest in better serving its customers on the island of Puerto Rico.

Key features and benefits

No up-front capital investment required

Energy and operational savings over the full term of the agreement

An annual reduction in CO2 emissions

Enhanced resiliency in the event of utility grid outages

An improvement in building performance and comfort

Complete operations and maintenance by RENEW for the full term

