

QUINN'S FOODSTORE



Quinn's Food Store Refrigeration Upgrade

Quinn's Food Store's targets were to reduce energy costs in their building, guard against energy price increases and reduce their carbon footprint.

Project Overview

Company name:	Quinn's Food Store
Project actions:	Refrigeration Upgrade
Finance source:	Internal
Additional funding:	SEAI BEC 2019 programme
% funding:	30 %
Grant amount:	€ 2,916
Total project cost:	€ 9,720
25-year savings:	€ 38,819.50
Simple payback time:	4.4 years

About the Client

Quinn's Food Store is a small family run newsagent in Ardmore Co. Waterford.

Quinn's Food Store inquired about installing a Solar PV system and the team at 3 Counties Energy Agency coordinated the entire Better Energy Communities application for them, from the initial energy audit, procurement to warranty checks and all required paperwork.

The Challenge

Quinn's Food Store was spending upwards of €902 a month on electricity alone. Refrigeration was a major drain on power in the shop.

The Approach

The 3cea team had a look at the electricity consumption and current connection. Our team of experts proposed a refrigeration upgrade consisting of a reduction of the size of the fridge from 5m to 2.5m multideck with doors. This will help with the best use of the refrigeration hours along with the shop's high consumption hours.

Results



2.941
tonnes
CO₂

Reduced carbon footprint by 2.941 tonnes by investing in a refrigeration upgrade.



€1,552.78
Annual savings

The refrigeration upgrade has led to a reduction in electricity bills on the site.



8,873 kWh
Energy savings

Investment payback time is just over 4 years.

Get in contact

We expect more local food stores and other SME's will follow in the footsteps of Quinn's Food Store and invest in refrigeration upgrades to supplement their on-site energy usage under the SEAI Better Energy Communities Programme. Send a brief overview of the project to: BEC@3cea.ie or call 056 779 0856.



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