



Stafford's Bakeries

Stafford's Bakery operates out of Gorey in Co. Wexford where it has operated since the 1950s

Project Overview

Company name:	Stafford's Bakery
Project actions:	PV Panel Installation and Insulation Upgrade
Finance source:	Internal
Additional funding:	SEAI BEC 2019 programme
% funding:	30 %
Grant amount:	€ 188,149.50
Total project cost:	€ 627,165.00
25-year savings:	€ 3,272,373.50
Simple payback time:	3.4 years

About the Client

Stafford's Bakery has been in operation in Gorey, since the 1950's. It was started in the town centre by Sean Stafford Senior, and the family and staff have gone on to develop a state-of-the-art Bakery at the IDA Industrial Estate in Clonattin, Gorey, Co Wexford.

Stafford's now provide their breads and cakes nationwide. With this increase in supply has come an increase in the energy demand on their bakery as it operates through the night.

Stafford's approached 3cea looking to reduce both their carbon footprint and energy costs. The team at 3 Counties Energy Agency coordinated the entire BEC application from the initial energy audit, procurement to warranty checks and all required paperwork.

The Challenge

Stafford's Bakery were spending upwards of €58,171 a month on electricity alone. This expense came from the need to have the bakery running through the night to ensure supply of fresh bread each morning.

The Approach

518.2kWp PV Panel Installation across Old & New Bakery on site consisting of 1699 x 305W Trina Solar Panels with SMA Inverters. An insulation upgrade was also carried out using Firesafe Kingspan EcoSafe 40mm Insulated PIR, 1800 m2 onto roof of existing bakery. Replacing the 1991 roof single skin.

Results



318.024
tonnes CO2

Reduced carbon footprint by 318 tonnes by investing in 518.2kWp Solar PV system and insulation.



€130,894.94
Annual savings

The installation of PV panels has led to a reduction in grid imported electricity on the site.



959,640 kWh
Energy savings

Investment payback time is just over 3 years.

Get in contact

We expect more bakeries and other such enterprises will follow in the footsteps of Stafford's Bakery and invest in a Solar PV Panel system to supplement their on-site energy usage under the SEAI Better Energy Communities Program. Send us a brief overview of the project to: BEC@3cea.ie or call **056 779 0856**.



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