



Going Green

Micro Business | Small Changes | Big Impact


Oifig Fiontair Áitiúil
Local Enterprise Office

Lighting Replacment

NewWeigh MWMI Limited.

Co.Longford



35%
ELECTRICITY CONSUMPTION
REDUCTION



1.5 TONNES
CARBON REDUCTION
PER ANNUM

NewWeigh replaced 31 florescent light fitting with LED alternatives in Summer 2021. This has reduced annual electricity consumption by 35% annum and reduced Carbon emissions by 1.5 tonnes CO₂ e/ annum. The annual cost saving for this project are €1,200/ annum, but this saving is likely to increase in future years due to increased electricity costs .

THE LED LIGHTING IS EASIER ON THE EYES AND CREATES AN ENHANCED WORK ENVIRONMENT , THE LIGHT IS JUST MORE NATURAL - Sandra Tiernan, Company Accountant

The success of this project has motivated NewWeigh to look at other opportunities to reduce energy costs and reduce emissions. They plan to further reduce their electricity costs by installing Solar PV in 2022.

Solar PV Installation

Island Farm Foods

Co.Offaly



Island Farm installed a 6KW Solar PV system that was installed on the farm in March 2021. The system is now generating 10,000 KWh/ annum. About 30% of electricity demand is facilitated by our new PV system and has saved the business €1,700 in electricity cost in 2021. The PV system will pay for itself in less than 5 years, when the grant from the Going Green Programme is factored in. The system had reduced our imported electricity consumption by 30% which has reduced CO₂ emissions associated with imported electricity by 3.2 tonnes/annum.

CUSTOMERS ARE MADE AWARE THAT WHEN THEY COME TO STAY AT ISLAND FARM THERE ARE USING ELECTRICITY GENERATED ON SITE WHICH LOWERS THEIR CARBON FOOTPRINT. SOME CUSTOMERS WHO ARE VERY ENVIRONMENTALLY IN TUNE WITH ENERGY CONSUMPTION AND CARBON FOOTPRINT HAVE COMMENTED POSITIVELY ON OUR RENEWABLE ENERGY PROJECT IN. THIS HAS RESULTED IN ADDITIONAL BOOKING REVENUES RECEIVED IN 2020 AND FUTURE BOOKINGS FOR 2021 ALREADY RECEIVED

- Marguerite Cahill, MD



30%

REDUCTION IN IMPORTED ELECTRICITY CONSUMPTION



3.2 TONNES

CARBON REDUCTION PER ANNUM



Replacement of Oil by Upcycling Timber Waste on Site

Emo House Developments, Co.Laois



The **Two Trees Woodwork** building in Emo House Developments was originally a garden centre and is poorly insulated. The workshop was heated by a mobile kerosene fuelled heater. The kerosene burned in the heater (€2,000 per annum, equivalent to c.1,600 litres of oil) was replaced with carbon neutral wood briquettes (from the furniture manufacturing process and pressed into briquettes). Previously c.30-40 dumper trucks was spread on 2 acres of adjoining woodland, owned by the company and allowed to rot slowly returning nutrients to the soil.

The company received funding from the Local Enterprise office to purchase a shredder and wood briquette maker. This briquette maker converted waste wood to useful fuel. Replacing the 800 litres of kerosene used in heating the building with a carbon neutral sustainable wood source resulted in savings of 6 tonnes CO₂e and c.€5,000 per annum in energy and labour. The company has already engaged in several biodiversity projects including planting a wildflower meadow, creating a composting area, planting trees and hedging and laying a natural border to encourage biodiversity. Two Trees Woodwork has plans to plant 500-600 trees in the next 3 years. The policy is to plant as many trees as they use. Species already planted include 100 birch, 50-60 oak as well as mountain ash.



28%
ENERGY COST
REDUCTION



6 TONNES
CARBON REDUCTION
PER ANNUM



A Range of Green Changes

Wholesome Kitchen

Co. Westmeath



PROPANE USE HAS BEEN ELIMINATED BY SWITCHING TO NATURAL GAS.

Wholesome Kitchen switched from propane to natural gas and upgraded lighting to LEDs. They planted four thousand trees in Africa and 400 in Ireland to offset their carbon footprint, with a target to plant 20,000 trees over the next 5 years. Reductions in carbon are associated with switching from propane in 46kg bottles to natural gas with associated delivery and cooking efficiency savings and electricity generation emissions reductions.

WE MANAGED AN ESTIMATED 20% REDUCTION IN WATER USE DUE TO RAISED AWARENESS WITH THE TEAM, SIGNAGE, INSTALLATION OF KNEE OPERATED AND TIMED WATER TAPS IN SINKS. WE HAVE 25% LESS FOOD WASTE (ONE LESS BIN WEEKLY) DUE TO BETTER PORTION CONTROL, LESS WASTAGE SINCE WE WERE AUDITED.



€700

ELECTRICITY SAVINGS PER ANNUM



1.5 TONNES

CARBON EMISSIONS REDUCTION PER ANNUM



20%

WATER CONSUMPTION REDUCTION



25%

FOOD WASTE REDUCTION



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