

Readyegg

Everyday Convenience

Sustainability – Our Journey so Far



Introduction

Sustainability



Sustainability is the idea that **humans must interact** with the environment in a way that ensures there will be enough resources left for future generations.



Mission Statement

At Ready Egg Products our vision is to be a dynamic and progressive company committed to delivering the highest quality egg products, with a dedicated focus on trust and integrity throughout the supply chain.

We place a high value on corporate responsibility and our investments in sustainability and the environment is evidence to our commitment.



1975

• Shell egg production and packing commenced in Lisnaskea (Erne Eggs Ltd);

2004

• Liquid egg production;

2009

• Hard-boiled egg production;

2010

• First free-range flocks;

2014

• New factory opened in mainland GB;
Egg mayonnaise mix production in Lisnaskea;

2016

• Liquid egg production in 1 litre packs;

2017

• Scrambled egg production;

2020

• On site shell egg production (colony) stopped;

2022

• Egg Powder plant opened





Renewable Energy

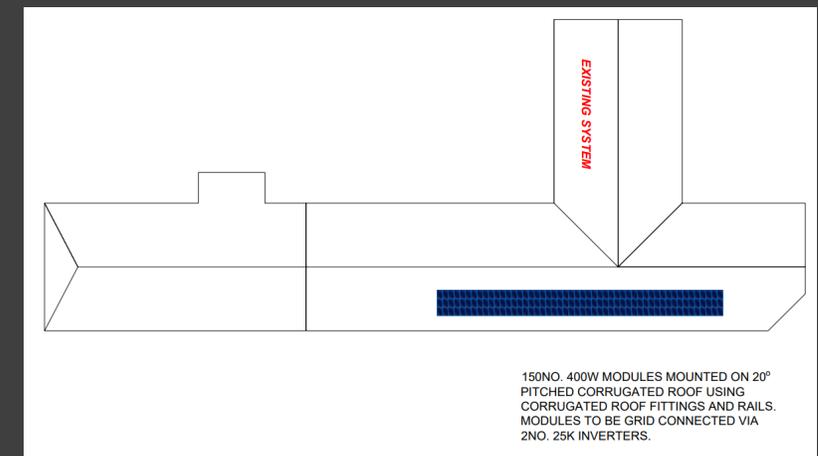


Additional Yield Analysis

Solar PV Size (kWp)	60.00
Estimated Annual Yield (kWh)	44,512
CO2 Emissions Saved (kg/yr)	21,490

Solar Panels

- Currently have 60 KVA inverters on the roof
- We are upgrading the system to 120 KVA in 2023





Carbon Emissions

Electricity comes from 100% renewable sources at both sites



Green Energy Certificate

Power NI certifies that

Ready Egg Products Ltd

is currently supplied with 100% Green Energy.
This business is powered by local, renewable electricity with zero carbon emissions sourced from Co Tyrone

	Electricity Source	CO ₂ /kWh emissions	Consumption
A	Renewable	0g	A
B	Low Carbon/CCS	<200g	
C	Gas CHP	<300g	
D	CCGT Gas	<400g	
E	UK Average/Gas	<600g	
F	Coal/Oil	<800g	
G	Coal	>800g	

Ready Egg Products Limited

has chosen to use the npower Business Renewable product for its supply of electricity. This meets the quality criteria of the GHG Protocol (2015) for reporting zero carbon emissions and has been independently assured by Carbon Clear.





Electricity

5,027,593 kWh

1,067.50 tCO₂e

tCO₂e YOY: -5.09%

Overall Carbon Intensity

0.059 tCO₂e per tonnes of product

YOY -2.18%

Streamlined Energy & Carbon Reporting (SECR)

- Report annually on SECR
- Figures for Y/E 31st December 2021, compared to previous year



Energy Saving Opportunity Scheme - ESOS

Following the recommendations of this report we:

- Installed a new kerosene boiler – a more environmentally friendly fossil fuel than tractor oil
- Established an internal energy recording and monitoring system

**In 2023 we will comply with ESOS
Phase III obligations**



Energy Efficiency Improvements

- Continuation of LED lighting replacement project;
- Installation of a new kerosene steam boiler which has replaced 2 older diesel boilers
- Working with NIE to install further solar PV panels to increase capacity to 120wHp



Waste

WE'RE A WINNER!



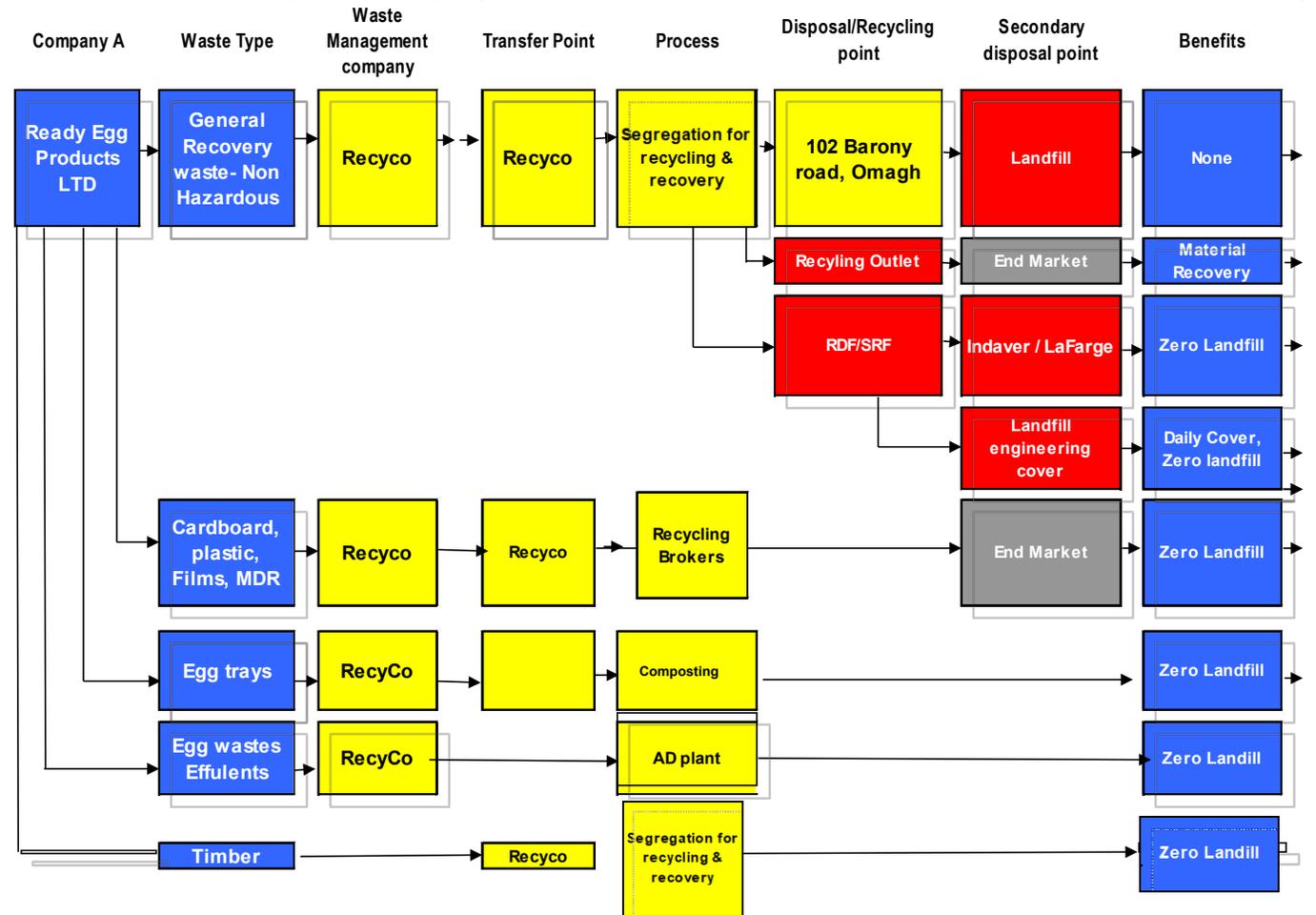
Four stars



The recognition scheme for businesses and organisations committed to increasing the amount of waste they reduce, reuse and recycle.

Process Flow

Waste company is helping us to achieve our aim for zero waste to landfill at our site





Carbon Reduction Strategies Implemented

- All our cardboard trays now stay within Northern Ireland when we are finished using them - greatly reducing road miles & carbon footprint by not exporting.
- Using a compactor skip for waste; this is allowing for a 50% increase in the tonnage per collection and therefore reducing carbon emissions on waste collection



Transport

Efficient Transport

- Ensure that vehicle weights remain within legal restrictions, limiting damage to the environment
- Plan loads to ensure maximum efficiency including 'back-loads' whenever possible





Partnership with McCulla Transport

Their vehicles have an automatic cut out switch which prevents unnecessary idling

Monthly reviews combined with an incentive scheme has seen a 16% reduction in annual fuel consumption



POWERED BY
**FOOD
WASTE**

McCulla Transport - Sustainability

NI's First Waste-to-Energy Transport Fleet

- McCulla has a fleet of gas-powered trucks that run on 100% renewable bio-methane gas, which is produced on-site using food waste collected from businesses around Northern Ireland.



The Pollution
Prevention and Control
(Industrial Emissions)
Regulations (Northern
Ireland) 2013



IPPC

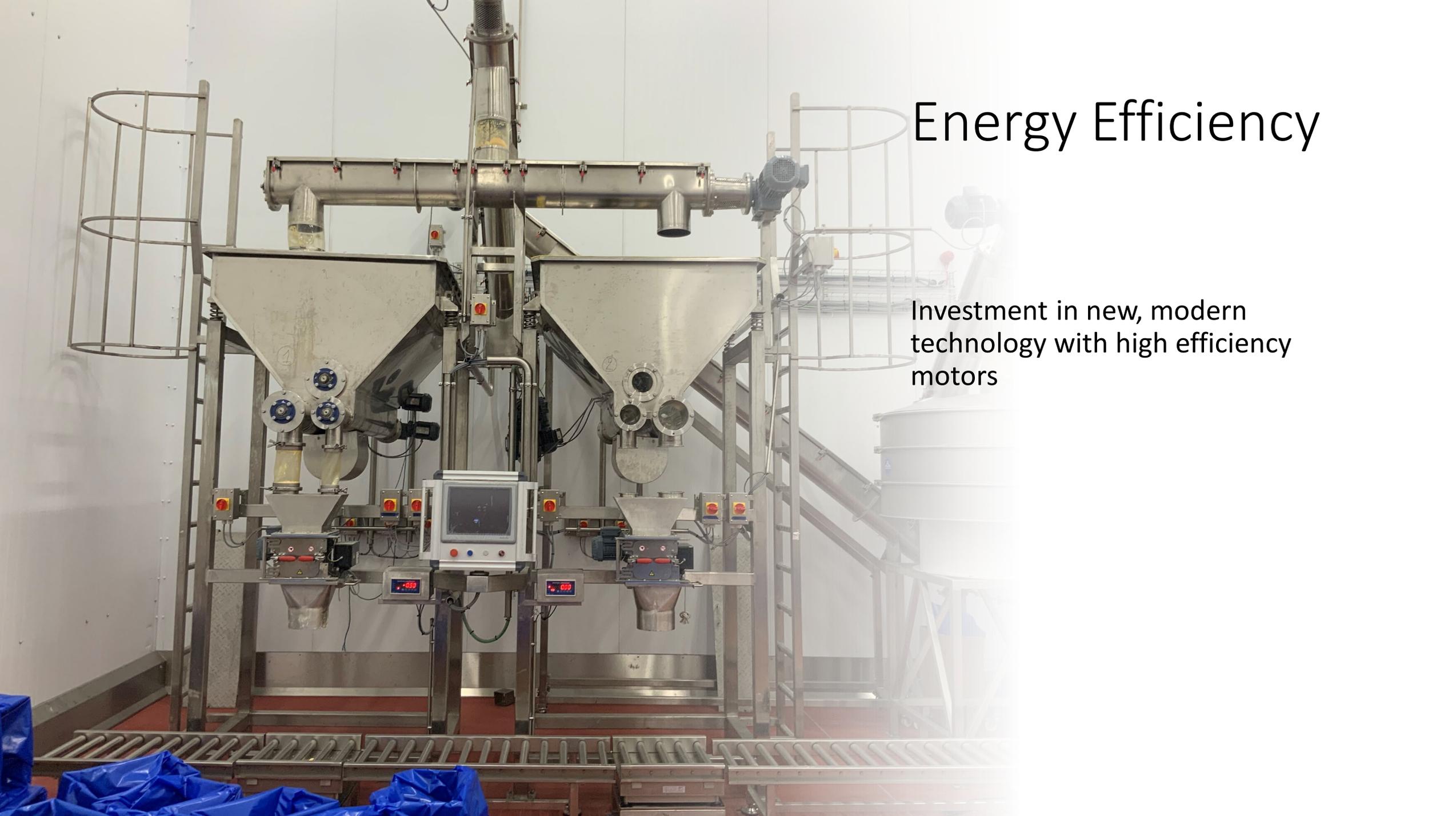
- Permit number P0596/21A
- As we produce >75 tonnes of product per day, we must comply with the IPPC regulations.
- The Permit includes conditions that must be complied with. We use the best available techniques for preventing or, where that is not practicable, reducing emissions from our site



Investment

Energy Efficiency

Investment in new, modern technology with high efficiency motors



Significant investment
has been made in
energy efficient
robotics through out
the factory



We have invested in plastic trays – these can be washed and used multiple times rather than using pulp keyes trays for our Free-Range producers





Corporate
Social
Responsibility



Quality

BRC 'AA' Grade; RSPCA assured; British Lion Approved; Organic certification; Kosher

'A' List M&S Supplier

C.L.A.S. accredited laboratory

Members of Sedex

The Supplier Ethical Data Exchange (**Sedex**) is a not-for-profit organisation for businesses committed to the continuous improvement of ethical performance within their supply chains.

Tool for managing:

1. Labour standards;
2. Health and safety;
3. The environment;
4. Business ethics

SMETA two-pillar audit at our Lisnaskea site and a four-pillar audit at our Chesterfield site.

**BUSINESS
IN THE
COMMUNITY**

The Responsible Business Network Northern Ireland

Member of
'Business in
the
Community'



People – Health and Wellbeing

Place – Community, education and employment

Planet – Environment and bio-diversity



Net Zero



The term net zero means achieving a balance between the carbon emitted into the atmosphere, and the carbon removed from it. This balance – or net zero – will happen when the amount of carbon we add to the atmosphere is no more than the amount removed.

Net Zero by 2050?

Clean power generation is front-and-centre of the UK's strategy to reach net zero by 2050, with the government setting energy providers a target for all electricity to come from 100% zero-carbon generation by 2035.

With the UK aiming to reach [net zero](#) by 2050, a crucial part of the strategy is to transition to an electricity system with 100% zero-carbon generation and much of this is expected to come from renewable energy.

Burning fossil fuels to create electricity has long been a major contributor in the emission of [greenhouse gases](#) (GHGs) into our atmosphere. As renewable energy sources emit low or no carbon emissions, they are considered vital in the race to tackle climate change.

2020 marked the first year in the UK's history that electricity came predominantly from renewable energy, with 43% of our power coming from a mix of wind, solar, bioenergy and hydroelectric sources.

Zero-carbon generation overtook fossil fuel consumption in 11 months of the year in 2021.

On 5 April 2021, the UK achieved its lowest ever [carbon intensity](#) at 39 grams of CO₂ per kWh, due to reduced use of fossil fuels for electricity generation. This was made possible by a 60% increase in the rate of renewable capacity installed in 2021 (compared to 2020).

Plans are already in action to increase offshore wind's output from 11 GW to 50 GW by 2030 – helped by a £200 million government cash injection and financial incentives. Meanwhile, solar capacity could grow five-fold from 14 GW to roughly 70 GW in the same period.



The Future



We will continue to:

- Reduce the environmental footprint of our operations;
- Transport goods in a manner that minimizes community and environmental impacts;
- Reduce fuel, energy, water and other resources needed to move each tonne of finished product;
- Increase recycling and reuse efforts through waste minimization;
- Engage openly on sustainability issues;
- Communicate regularly with customers, employees and external stakeholders on sustainability issues, goals and efforts.