
RUMWOOD GREEN FARM LTD

DIRECTORS' REPORT (CONTINUED)
FOR THE YEAR ENDED 31 MARCH 2021

Statement of corporate governance arrangements

	Ltr/ Kg	KwH	KgCO ₂ e/KwH	KgCO ₂ e	tCO ₂ e	Combustion tCO ₂ e	tCO ₂ e
Electricity		9,523,867	0.23314	2,220,394	2220		2220
Diesel (x10.96)	103,547	1,134,875	0.24057	273,017	273	273	
GasOil (x10.96)	272,250	1,900,305	0.25672	487,846	488	488	
Burning Oil (x10.31)	33,678	347,220	0.24666	85,645	86	86	
LPG Bulk (x6.98)	210,643	1,470,288	0.21448	315,347	315	315	
LPG (x6.98)	563,281	3,931,701	0.21448	843,271	843	843	
LNG Bulk (x11.02)	173,588	1,912,940	0.21448	410,287	410	410	
Woodchip (x3.8)	480,080	1,824,304	0.61522	1,122,348	1122	1122	
		22,045,501			5,758	3,538	2,220

SECR Review (Scope 1 emissions)

The Scope 1 emissions of the Streamlined Energy and Carbon Reporting (SECR) requirement, considered here, are from the combustion energy sources and electricity used across all farm sites of the Group.

Whilst the majority of data gathering is based on the calendar year, the figures used here are for the FY 2020/21

Energy usage is influenced by the overall principal cause:

- Expansion: The acquisition of an additional farm sites, some of which has included the installation of worker accommodation, production infrastructure.
- Weather: Low temperatures influence the energy use required for heating protected crops and workers in accommodation.

The following points should be considered:

- Packhouse & Cold Stores: This is mainly driven by throughput in the case of the Packhouse and crop stored which combined account for c35% of energy usage.
- Accommodation: Energy figures include considerable year round employee accommodation across multiple sites, weather is also a factor for seasonal fluctuations on the energy draw for what is the largest area of energy use.
- Production: The acquisition of additional farm sites and the increase in production area in what is the third major area of energy consumption c25%.

Renewable Energy Sources

There are currently no renewable energy sources on any site although much of the mains electricity is sourced from suppliers who use wholly renewable sources. A 1.1 Mw Solar Energy array is to be installed at the Rumwood Green Farm site during the Autumn of 2021. The project will cover c5,500m² of roof space and is anticipated to reduce the organisation's CO₂e by >500 tonnes.