

Flare Lighting Ltd (and its subsidiary Energy Light)

Flare Lighting Ltd meets the requirements of carboNZero^{Cert™} certification having measured its greenhouse gas emissions in compliance with ISO 14064-1, committed to managing and reducing its emissions and neutralised the remaining unavoidable emissions in respect of the operational activities of its organisation.



Introduction¹ – Flare Lighting and its subsidiary Energy Light are a 100% NZ owned lighting wholesale and distribution business who as a company committed to reducing GHG emissions have developed an energy efficient light fitting for commercial use. This product gives substantial energy savings. Our goal is to lead the way with sound environmental practices with regards to our lighting solutions. By responsible design our lighting systems will reduce waste to landfill, save energy, reduce consumption of raw materials particularly copper, iron and steel and most importantly reduce lead and mercury deposited into the environment. Our offices and warehouse have been fitted with lighting controls that measure daylight, reducing light levels as the natural light levels increase alongside controllers that are occupancy controlled eliminating the need to remember to "Switch Off". Our commitment to combat global climate change is for both business and personal reasons. On a personal level we want to be able to answer our children when they ask "what are we doing?" We can say that we have implemented changes at work and these changes reduce our carbon footprint both at work and at home and although they are small in a global context, if everyone does the same it will make a difference. From a business perspective we think it will also enhance our business marketplace image particularly with like minded companies.

Boundary – The boundary for the preparation of Flare Lighting Ltd's greenhouse gas (GHG) inventory is for one site. All business activities have been included.

Consolidation approach – Operational control.

Base year – 01/04/2008 to 31/03/2009

Measurement period – 01/04/2009 to 31/03/2010

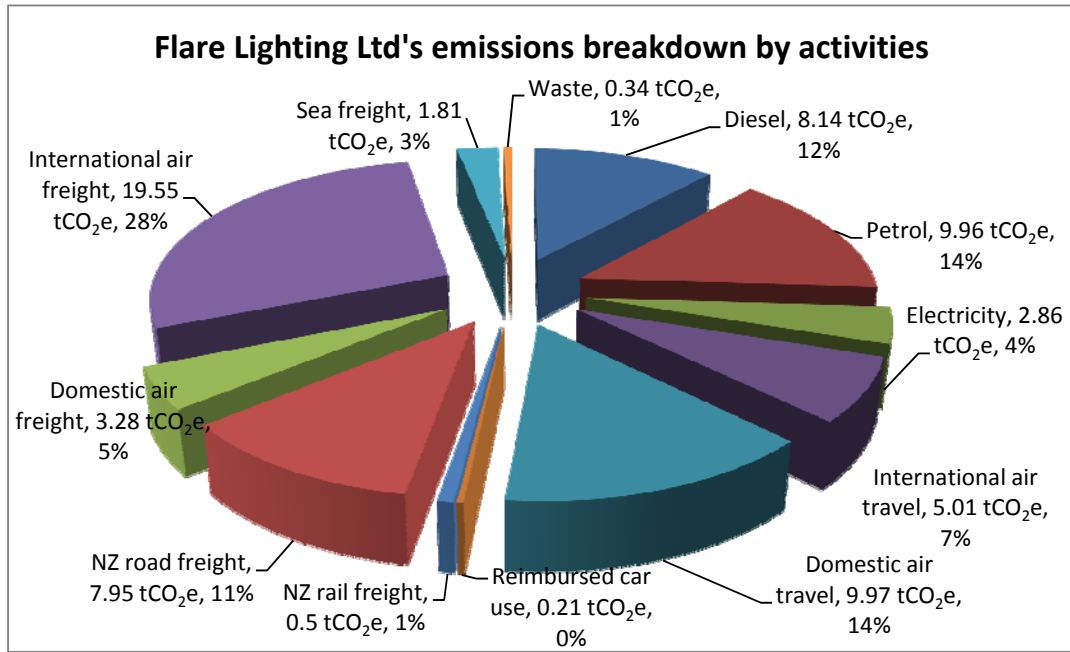
GHG emissions source inclusions – The diagram below shows the operational GHG emissions for Flare Lighting Ltd by emissions source. Total emissions for this period were 69.59 tonnes carbon dioxide equivalents (tCO₂e). The breakdown for the total emissions by Scope was:

Scope 1: 18.11 tCO₂e
Scope 2: 2.86 tCO₂e
Scope 3: 48.63 tCO₂e.

¹ **Disclaimer:** This Disclosure Statement is a summary of the verified information considered for certification and the certification decision. It should not be taken to represent the full submission for certification. While every effort has been made to ensure that the information in this Disclosure Statement is accurate and complete, Landcare Research does not, to the maximum extent permitted by law, give any warranty or guarantee relating to the accuracy or reliability of the information.

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GHG emissions source exclusions – There are no known exclusions for this inventory.



GHG emissions reduction commitments – Flare Lighting Ltd has developed the following emissions management goals:

- Reduce the amount of fuel used by company cars by the end of the financial year by 2%
- Reduce air kilometres by 2.5% by end of financial year
- Reduce freight emissions by 2% by end of financial year
- Minimise waste by 2.5% by end of financial year

Flare Lighting Ltd's total emissions have increased by 14 tCO₂e from the base year.

Due to internal growth Flare Lighting have had to allow for an increase in FTE and Sales and the corresponding increase in emission production. It is important to note that when comparing internal growth with emissions output, company growth (measured both by FTE and Sales) far exceeded any increase in emissions output.

Most impressively;

- Fuel use increased overall by 5% due to increase in staff and vehicle numbers the average fuel used per FTE decreased by 29%

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- Electricity increased overall by 28% however a 25% reduction was achieved per FTE (FTE's increased by 63% from 5 to 8).
- A 28% reduction in waste to landfill due to cancellation of Waste Management bin and obtaining second recycle bin from Christchurch City Council
- Domestic freight emissions increased overall by 16%, however considering comparing sales increase of 176% it is huge savings and achievement. This directly correlates to the change to an alternative freight provider which utilises rail transport.

Offset – 67 tonnes CO₂e. AAUs² from Trustpower Hydro projects created under the New Zealand Government's PRE³ scheme. Serial numbers 5019xx-5019xx have been cancelled (or equivalent) on the carboNZero registry. Meridian Energy is the electricity provider. Meridian Energy is a carboNZero certified product therefore the electricity emissions (2.86 tCO₂e) were deducted from the total offset requirement (69.59 tCO₂e)

Verified by – carboNZero Strategic Business Unit

Level of assurance – Reasonable assurance

Threshold of materiality – Excluded emissions do not exceed 5% of the total footprint for the small enterprise boundary stated.

Certification status – carboNZero certified small enterprise covering all operational emissions at one site.

Certificate number – 2010077J

Certification valid until – 30 June 2011

² AAUs are created by eligible projects for emissions reductions achieved up to the end of 2007.

³ PREs are Projects to Reduce Emissions is a New Zealand government scheme for projects that are eligible under the Joint Implementation initiative of the Kyoto Protocol – see www.mfe.govt.nz.

Summary of carbonZero certification:

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