

Summary of carboNZero certification

Solar City New Zealand Limited

Year 2 of 3 year certificate period

Solar City New Zealand Limited meets the requirements of carboNZero^{Cert™} certification having measured its greenhouse gas emissions in accordance with the requirements of ISO 14064-1:2006, committed to managing and reducing its emissions and neutralised its remaining unavoidable emissions through the cancellation of an appropriate number of verified carbon credits in respect of the operational activities of its organisation including Thermocell Energy Limited.



Introduction¹ – Solarcity has been around since the early days of the solar industry, putting solar on more homes and businesses than any other company in New Zealand, and have won multiple awards for innovation and excellence. What's more, Solarcity are in it for the long-haul. This isn't just our business, it's our mission. We are committed to 100% renewable energy for New Zealand and are in this business for a purpose. Our stance on the environment is unerring. Doing what's best for the planet and the children of tomorrow is central to every decision we make. We are one of the top five fastest growing green companies in New Zealand. At solarcity we strive for the highest social and environmental goals and in doing so aim to influence all those we meet and work with throughout our business activities. Sustainability is core to our organisation and we apply a continuous improvement approach to business practices, always searching for new ways to protect the environment; including but not limited to paperless communications with customers, recycling of all waste at a worm farm at our Auckland office and selecting a fleet of cars for low emission and energy efficiency. We have the energy to make a positive difference.

Boundary – The boundary for the small enterprise certification programme is an organisation operating from up to 3 sites with an inventory less than 200 tCO₂e, and all business units and activities are included (unless stated in the exclusion table). Thermocell Energy Limited was sold on 30 April 2014. Emissions for Thermocell Energy Limited are included in this inventory from 1 October 2013 to 30 April 2014.

Consolidation approach – The operational control consolidation approach has been used to account for operational emissions with reference to the methodology described in the GHG Protocol and ISO 14064-1:2006 standards.

Base year – 1/10/2009 to 30/9/2010

Measurement period – 1/10/2013 to 30/9/2014

Emissions source inclusions – The operational GHG emissions for the organisation by emissions source are shown in Figure 2 below.

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. Whilst every effort has been made to ensure that the information in this Disclosure Statement is accurate and complete, Enviro-Mark Solutions Limited 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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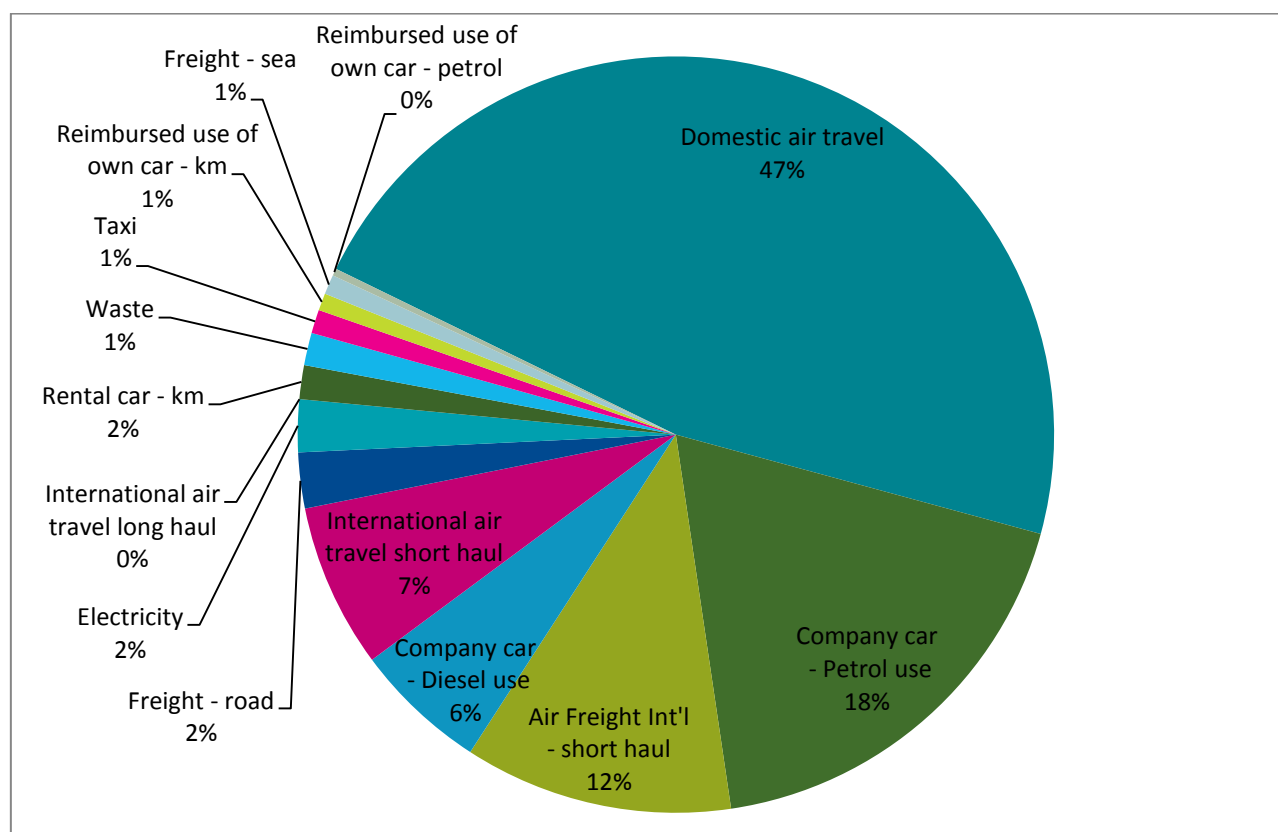


Figure 2: GHG emissions by emissions source.

Emissions as tonnes of carbon dioxide equivalents (tCO₂e) for this period were:

Emissions summary by scopes		Units
Scope 1 total	34.46	tCO ₂ e
Scope 2 total	3.03	tCO ₂ e
Scope 3 total	97.21	tCO ₂ e
Mandatory scope 3	97.21	tCO ₂ e
Additional scope 3	0.00	tCO ₂ e
One-time scope 3	0.00	tCO ₂ e
Total inventory:	134.71	tCO₂e

Emissions source exclusions – The following emissions sources were excluded from the inventory for this measurement period:

- No emissions sources were excluded from this inventory.

Emissions reduction commitments – A GHG emissions management plan and reduction targets have been developed.

- Reduce air freight emissions by 5 tCO₂e
- Reduce road freight emissions by 2 tCO₂e
- Reduce domestic air travel by 20 tCO₂e

Emissions reduction report against last year's plan – This is the fifth year of reporting under carboNZero programme. An absolute increase in Scope 1 and 2 emissions of 11.56 tCO₂e has been occurred against



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base year. A reduction/increase in emissions intensity (for Scope 1, 2 and mandatory Scope 3 emissions) of 11.82 tCO₂e/\$M has been occurred; based upon a 5 year rolling average.

Offset – 135 credits (comprised of 19 Guohua Wulate Zhongqi Chuanjing Phase II Wind Farm Project and 116 National Bio Energy Changtu Biomass Power Plant Gold Standard credits) have been cancelled on the carboNZero register and will be cancelled (or equivalent) on the relevant external registry within one month of certification. Specific details of cancellation, including serial numbers, will be available on the external registry: <http://mer.markit.com/br-reg/public/index.jsp?q=enviro-mark%20solutions&s=cr> and www.vcsregistry.com.

Verified by – Enviro-Mark Solutions Limited

Data quality score – High

Threshold of materiality – Excluded emissions do not exceed 5% of the total footprint within the organisation boundary stated.

Level of assurance – Reasonable

Certification status – carboNZero certified organisation

Certificate number – 2014012J, Year 2 of 3 year certificate period

Valid until – 21 February 2017