

## Summary of carboNZero certification:



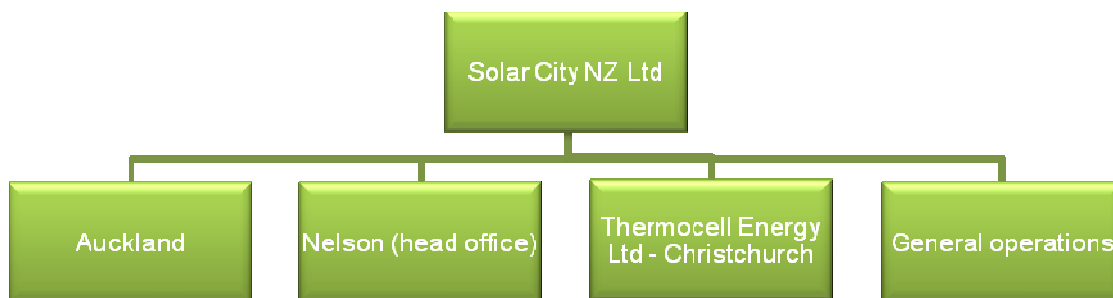
Solar City New Zealand Limited

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



**Introduction<sup>1</sup>** – Solar City New Zealand Limited build, retail, and install solar hot water heating systems in New Zealand. Solar City NZ Ltd has a fully-owned subsidiary, Thermocell Energy Ltd, which was established in 1982. As specified on the website<sup>4</sup>, “SolarCity is New Zealand’s only all-in-one solar power company.” Services include: design, product development, manufacturing, financing, installation, and monitoring. Solar City New Zealand Limited has over 30 years of experience of installing solar systems in New Zealand.

**Boundary** – the diagram below shows the organisational structure used for describing Solar City New Zealand Limited greenhouse gas (GHG) emissions inventory, and what business units were included in the carboNZero certification. Yellow business units were excluded from the certification.



**Consolidation approach** – operational control

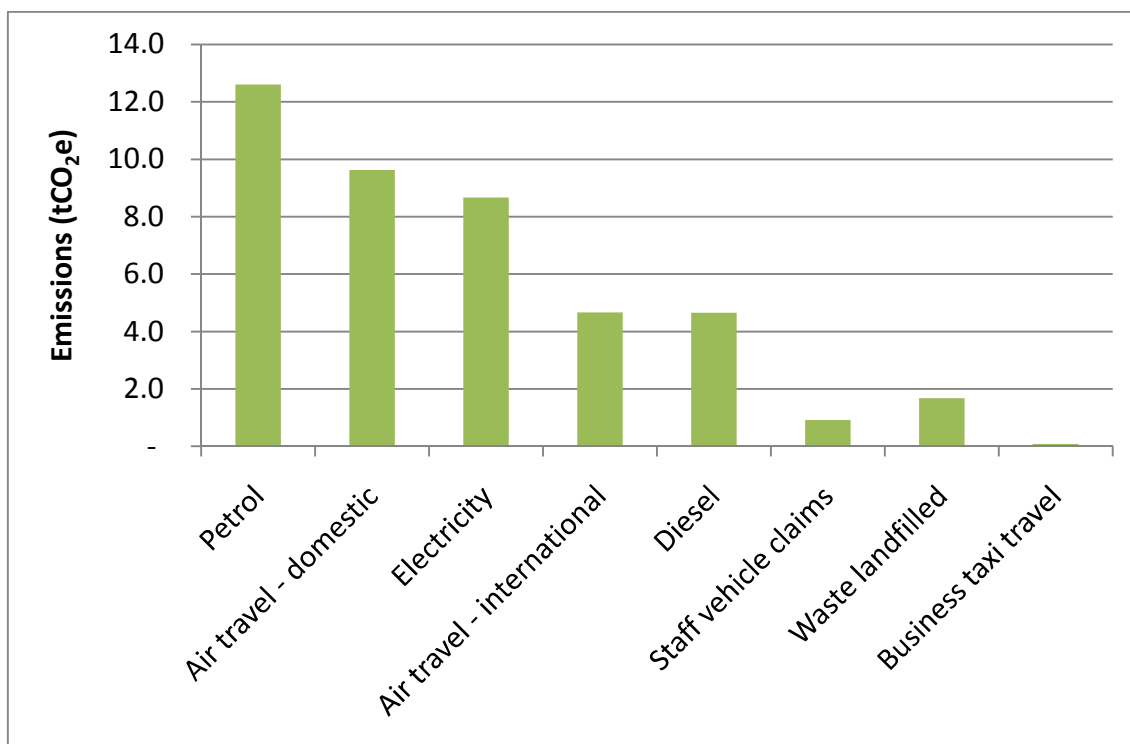
**Base year** – 1/10/2009 to 30/09/2010

**Measurement period** – 1/10/2009 to 30/09/2010

<sup>1</sup> **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.

### Solar City New Zealand Limited

**GHG emissions source inclusions** – the diagram below shows the operational GHG emissions for Solar City New Zealand Limited by emissions source. Solar City New Zealand Limited's total emissions for this period were 42.9 tonnes carbon dioxide equivalents (tCO<sub>2</sub>e) comprising 17.26 tCO<sub>2</sub>e Scope 1, 8.67 tCO<sub>2</sub>e Scope 2 and 16.97 tCO<sub>2</sub>e Scope 3 emissions.



**GHG emissions source exclusions** – Freight and couriers over 2kg were excluded from this inventory. Initial calculations based on \$ expenditure indicated emissions were <1% of the total inventory, therefore excluded as being *de minimis*. Freight parcels under 2kg are an allowable exclusion under the programme rules.

**GHG emissions reduction commitments** – Solar City New Zealand Limited has developed a GHG emissions reduction plan. Some projects in this plan include:

- Reducing air travel by more active use of Skype and IP Telephony.
- Centralise all travel bookings and introduce personal travel reduction targets
- Change fleet cars to reduce fuel consumption – accounts team to review current car fleet, conduct research and implement switch over plan.

**Offset** – 38 tCO<sub>2</sub>e VERs<sup>2</sup> from PRE<sup>3</sup> landfill gas and windpower projects and Meridian Gold Standard windfarm projects. Serial numbers 209753 - 209778 and 417708 -

<sup>2</sup> VERs are created by eligible projects for emissions reductions achieved up to the end of 2007.

<sup>3</sup> PRE - 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](http://www.mfe.govt.nz)

## Summary of carboNZero certification:



Solar City New Zealand Limited

417719 have been cancelled (or equivalent) on the Markit Environmental Registry. There were carboNZero certified suppliers used during this inventory period (Meridian Energy for the period 1/10/09 to 30/6/2010). This reduced the total to be offset by 5.73 tCO<sub>2</sub>e.

**Verified by** – carboNZero SBU

**Threshold of materiality** – excluded emissions do not exceed 5% of the total footprint for organisation and product boundary stated.

**Level of assurance** – Limited assurance

**Certification status** – carboNZero certified “organisation”

**Certificate number** – 2011039J

**Valid until** – 31 January 2014

218 Hardy Street, Nelson 7010, New Zealand. Telephone: +64 3 548 3138. Email: [andy.booth@solarcity.co.nz](mailto:andy.booth@solarcity.co.nz) Web: [www.solarcity.co.nz](http://www.solarcity.co.nz)