

Meridian Energy Facility

This page contains the emissions inventory report for the Meridian Energy Facility for the 2006/07 period. The Meridian Energy Facility captures emissions that occur due to the generation and retail of energy from renewable sources in New Zealand, including all corporate head office and support office activities.

For further information on the development of boundaries for facilities within the Meridian Energy Group, please read the Carbon emissions management section on www.meridianenergy.co.nz/annualreport

GREENHOUSE GAS EMISSIONS (t CO ₂)	TONNES OF CO ₂
Direct Emissions (scope 1) ¹	
Emissions from Meridian owned boats	591
Emissions from Meridian owned (back up) generators	49
Emissions from Meridian owned vehicles	401
	1,041
Energy Indirect (scope 2) emissions ²	
Indirect Emissions from Purchased Electricity	2,987
Other Indirect (scope 3) emissions ³	
Indirect Emissions from Rental Cars	124
Indirect Emissions from Air Travel	908
Indirect Emissions from the Generation of Electricity that is Purchased and then Resold to End Users	-
	1,032
Total CO₂ emissions for Meridian Energy Facility	5,060

Notes

- 1 Direct Greenhouse Gas Emissions arise from sources that the Meridian Energy facility owns or controls. This includes emissions from stationary combustion, such as diesel used in back-up generators, and emissions from mobile combustion, such as fuel used in Meridian owned boats, and Meridian owned vehicles.
- 2 Energy Indirect Emissions refers to electricity, heat or steam that is consumed by Meridian from the national grid. This covers all electricity purchased for consumption by Meridian from Meridian in an "arm's length" transaction.
- 3 Other Indirect Emissions capture emissions required to be disclosed by the carboNZero standard requirements (air travel and car hire), and other emissions that are deemed to be relevant to the company's operations, large relative to scope 1 and scope 2 emissions, critical to key stakeholders, and potentially able to deliver significant emissions reductions that could be undertaken or influenced by the company. In Meridian's case, we have chosen to cover electricity purchased for resale to end users.
- 4 The following emissions are excluded from the emissions inventory report prepared for the Meridian Energy Facility for 2006/7: waste, contractors, embodied emissions in concrete, embodied emissions in turbines.
- 5 Our emissions inventory report for the period has yet to be audited. We are in a 'greenfields' environment and we are breaking new ground on the establishment of best practice for carbon accounting in New Zealand. We apply best practice as we understand it but recognise the need to review our approach constantly. The volume of emissions reported for the year may change prior to finalisation.

For further information on the development of boundaries for facilities within the Meridian Energy Group, please read the Carbon Emissions Management section on the website.