

GHG Emissions Calculator

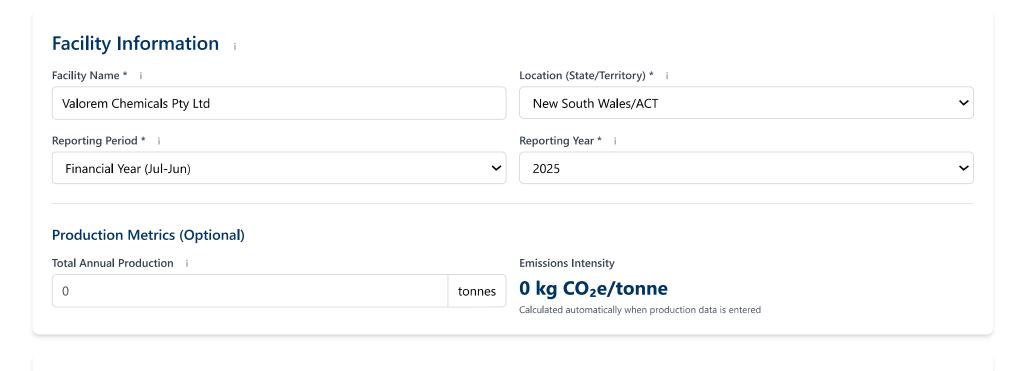
Track Scope 1 & 2 emissions using NGER methodology Version 3.3 - Enhanced Edition with Fixed PDF Export Based on the ILMA GHG Calculator model, adapted with permission for Australian facilities.

A Important Disclaimer

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Your Data is Secure

This calculator operates entirely in your web browser. No data is transmitted to ALA or any external servers. All calculations happen locally on your computer, and your data remains completely private. When you close this page, no trace of your data remains.



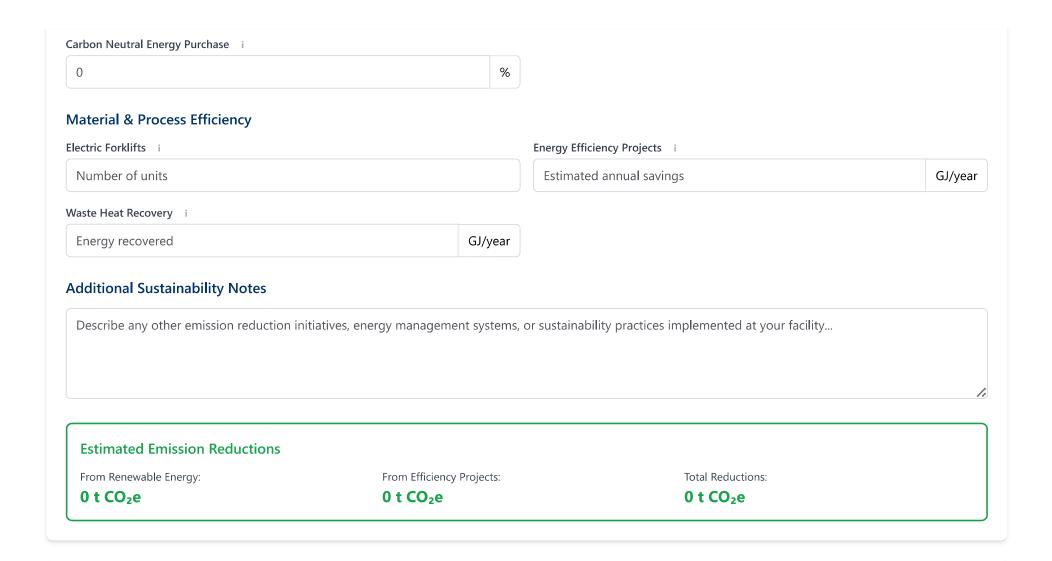
Name Position Mark Managing Director Email marka@valorem.com.au Position Managing Director Phone 0417 725 006

Monthly Activity Data

Monthly Activity Data - All Sources

Month	Scope 1 - Direct Emissions								Scope 2			
	Gas (m³)	D-Gen (L)	W.Oil (L)	D-Veh (L)	Petrol (L)	LPG (L)	Refrig (kg)	CO₂F (kg)	Weld (kg)	Elec (kWh)	Steam (GJ)	Total (t CO₂e)
Jul	5,000	5,000	0	7,700	3,456	0	0	0	0	67,650	0	98.5
Aug	5,000	5,000	0	9,000	6,543	0	0	0	0	87,650	0	123
Sep	5,000	5,000	0	7,655	2,345	0	0	0	0	78,780	0	103
Oct	5,000	5,000	0	3,456	5,432	0	0	0	0	66,809	0	91.1
Nov	5,000	5,000	0	8,765	5,454	0	0	0	0	87,654	0	120
Dec	5,000	5,000	0	9,870	6,565	0	0	0	0	73,450	0	116
Jan	5,000	5,000	0	4,567	7,575	0	0	0	0	67,890	0	99.9
Feb	5,000	5,000	0	7,654	6,545	0	0	0	0	78,640	0	113
Mar	5,000	5,000	0	7,766	7,464	0	0	0	0	86,540	0	121
Apr	5,000	5,000	0	8,888	5,678	0	0	0	0	76,670	0	113
May	5,000	5,000	0	5,578	5,321	0	0	0	0	73,900	0	101
Jun	5,000	5,000	0	9,876	6,754	0	0	0	0	83,210	0	123
Total	60,000	60,000	0	90,775	69,132	0	0	0	0	928,843	0	1,323

Emission Reduction Initiatives Track your sustainability initiatives and their impact on emissions. Renewable Energy & Offsets Scope 2 Reporting Method Location-based Market-based Solar Generation i Green Power Purchase i 0 kWh/year 0 % Renewable Energy Certificates (RECs) i Carbon Offsets i 0 0 t CO₂e MWh



Annual Emissions Summary

Scope 1 Emissions

691 t CO₂e

Scope 2 Emissions i

Location-based: 632 t CO₂e

Total Emissions

Location-based: 1,323 t CO₂e

Direct fuel combustion

Market-based: 632 t CO₂e

Purchased electricity

Market-based: 1,323 t CO₂e

Scope 1 + Scope 2

Methodology Comparison (Annual Totals)

Metric	Location-based	Market-based
Scope 2 Emissions (t CO₂e)	632	632
Total Emissions (t CO₂e)	1,323	1,323

Net Emissions (After Reductions & Offsets)

1,323 t CO₂e

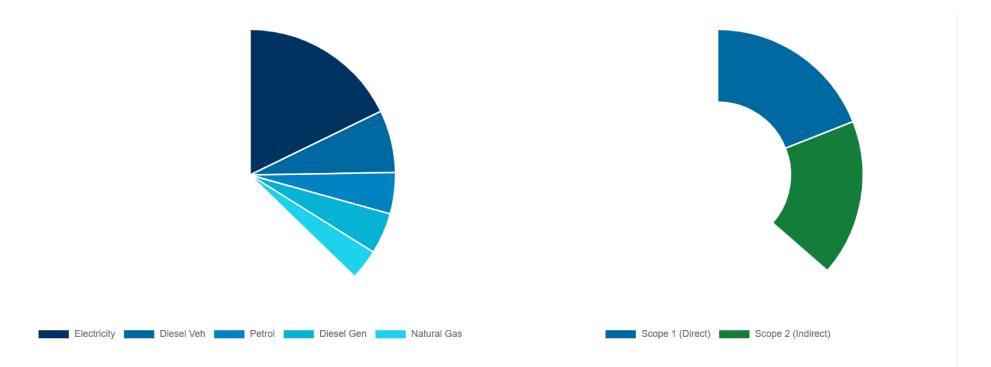
Total emissions minus renewable energy, efficiency savings, and carbon offsets

Emissions Intensity

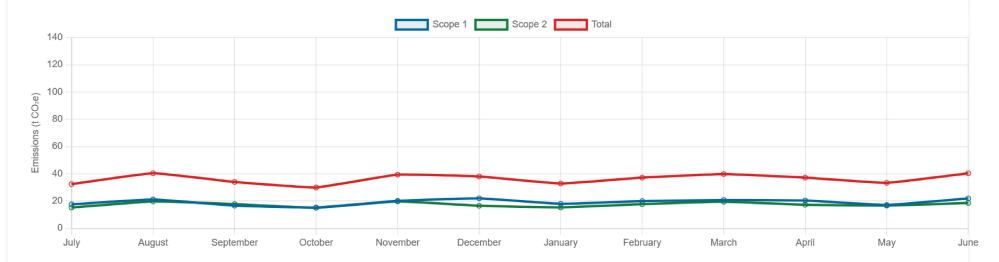
0 kg CO₂e/tonne

Per tonne of lubricant produced

Emissions by Source



Monthly Emissions Trend



Energy Source	Category	Annual Consumption	Energy Content (GJ)	Emissions (t CO₂e
inergy bource	category	Aimai consumption	Energy content (d)	Linissions (t Coze
Natural Gas	Stationary	60,000 m³	2,316	120
Diesel Gen	Stationary	60,000 L	2,316	16:
Diesel Veh	Mobile	90,775 L	3,504	24
Petrol	Mobile	69,132 L	2,364	16:
Electricity	Purchased	928,843 kWh	3,344	63.
Гotal		_	13,844	1,32

Executive Summary

Valorem Chemicals Pty Ltd GHG Emissions Report - FY 2025

Scope 1 Emissions

691 tonnes CO2e

Scope 2 Emissions

Location-based: 632

Market-based: 632

tonnes CO₂e

Total Emissions

Location-based: 1,323

Market-based: 1,323

tonnes CO₂e (gross)

Key Findings

- Direct emissions (Scope 1) account for 52.2% of total emissions
- Indirect emissions (Scope 2) from purchased electricity represent 47.8% of total emissions
- The facility's carbon intensity reflects the NSW electricity grid emission factor

This report was generated using the Australian Lubricant Association GHG Emissions Calculator, aligned with NGER methodologies and emission factors.

Australian Lubricant Association

GHG Emissions Calculator for Lubricant Blending Facilities

This calculator applies Australian NGER methodologies and emission factors.

Based on the ILMA GHG Calculator model, adapted with permission for Australian facilities.

NGER factors published 1 July 2023

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