



PUBLIC DISCLOSURE STATEMENT

HILT CRC LIMITED

**ORGANISATION CERTIFICATION
FY2024–25**

Australian Government

Climate Active Public Disclosure Statement



NAME OF CERTIFIED ENTITY	HILT CRC LIMITED
REPORTING PERIOD	1 July 2024 – 30 June 2025 Arrears report
DECLARATION	<i>To the best of my knowledge, the information provided in this public disclosure statement is true and correct and meets the requirements of the Climate Active Carbon Neutral Standard.</i>  Ian Hardwick Chief Operating Officer 16 January 2026



Australian Government
Department of Climate Change, Energy,
the Environment and Water

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Version 10.

1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	192 tCO ₂ -e
CARBON OFFSETS USED	100% VCUs
RENEWABLE ELECTRICITY	N/A
CARBON ACCOUNT	Prepared by: Trellis Technologies Pty Ltd
TECHNICAL ASSESSMENT	Not required for a small organisation

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2. CERTIFICATION INFORMATION

Description of organisation certification

The Heavy Industry Low-carbon Transition Cooperative Research Centre (HILT CRC) is seeking accreditation under Climate Active as a carbon neutral organisation for all its Australian business operations.

There are no overseas assets to be considered. The operational control approach was used.

This carbon neutral certification is for the business operations of The Heavy Industry Low-Carbon Transition Cooperative Research Centre (HILT CRC Limited) - ABN 50 652 464 796.

This Public Disclosure Statement includes information for FY2024-25 reporting period.

Organisation description

The Heavy Industry Low-Carbon Transition Cooperative Research Centre (HILT CRC) is driven by an urgent mission – to de-risk decarbonisation for heavy industry, and is a collaborative venture that brings together industries, researchers, and government organisations to share the responsibility for the big shift of decarbonisation.

We are focused on developing new low-carbon technologies and methods that will overcome barriers, and help transition the steel, iron, alumina, and cement industries to compete in the low-carbon global economy through the development of green steel, alumina and low-carbon lime and cement.

HILT CRC was established in August 2021 after we were awarded \$39 million of Commonwealth funds over 10 years on 30 June 2021, and investment of approximately \$42 million cash and \$115 million of in-kind contributions from our partners.

The CRC operates from The Core Innovation Hub, Lot Fourteen in Adelaide

As part of the expansion of the HILT CRC, the number of staff has increased to 8.1 FTEs (including part-time secondments) across the course of FY2025.

3.EMISSIONS BOUNDARY

This is a small organisation certification, which uses the standard Climate Active small organisation emissions boundary.

Inside the emissions boundary

All emission sources listed in the emissions boundary are part of the carbon neutral claim.

Quantified emissions have been assessed as relevant and are quantified in the carbon inventory. This may include emissions that are not identified as arising due to the operations of the certified entity, however are **optionally included**.

Non-quantified emissions have been assessed as relevant and are captured within the emissions boundary, but are not measured (quantified) in the carbon inventory. All material emissions are accounted for through an uplift factor. Further detail is available at Appendix C.

Outside the emissions boundary

Excluded emissions are those that have been assessed as not relevant to an organisation's operations and are outside of its emissions boundary or are outside of the scope of the certification. These emissions are not part of the carbon neutral claim. Further detail is available at Appendix D.

Inside emissions boundary**Quantified**

Electricity
 Stationary Energy
 Mains Water & Treatment
 Waste (Corporate)
 Staff working from home
 Staff commuting
 Domestic and international flights
 Taxis & Ride share
 Accommodation
 Cleaning & Chemicals
 Food & catering
 ICT services & equipment
 Office equipment & supplies
 Postage, courier and freight
 Professional services

Non-quantified

Building HVAC gasses
 Seconded staff electricity
 Seconded staff natural gas

Outside emission boundary**Excluded**

N/A

4. EMISSIONS REDUCTIONS

Emissions reduction strategy

Although FY2022 was used at the baseline year, the enterprise was not operational for a portion of this period and not fully operational until FY2023. The latter thus represents a more accurate 'base year' from which HILT CRC should be measured in terms of emissions reduction initiatives.

The HILT CRC will therefore aim to reduce all emissions by 20% by FY29 relative to FY2023, which equates to an absolute emissions total of ~130 t CO₂-e by the target year (noting that Cooperative Research Centres generally have a funding cycle that operates across seven to ten years).

The emissions reductions strategy for the HILT CRC was established with an understanding of further expansion of its operations across FY2023, FY2024 and FY2025, but nonetheless will continue to focus on:

- Scope 3 emissions that form the bulk of our inventory - notably those related to business travel.
- Commitment to working with our suppliers to reduce all emissions in our value chain.

Emissions management will target business travel, for which flights equated to ~45% of FY2023 emissions, 54% of FY2024 emissions and 33% of FY2025 emissions with related accommodation in the order of 7.5% of the FY2023 estimate, 11% of FY2024 and 4% of FY2025. Based on the current emissions profile, targeting these sources (totalling 67.7 t CO₂-e in FY2025) would encompass most of the reductions required for the emissions target.

This process will therefore include the following commitments:

- Greater use of remote meeting and event options in lieu of business travel.
- Optimize travel to combine purposes and thereby reduce the overall number of flights required.

Other emissions targets will consider purchased goods and services, with professional services encompassing ~19% of FY2023 emissions, ~18% of FY2024 and ~37% of FY2025. The increase in the current year is due to an increased need for legal services related to patent administration.

These approaches will include:

- Preference goods and services that are Climate Active certified.
- Lobby (and assist where possible) lessor of HILT CRC's head office premise to become Climate Active certified.

Waste recycling is already well advanced within our current office spaces, encompassing less than 1% of emissions in FY2023 and similar in FY2024 and FY2025, nonetheless we will continue to focus on limiting waste generation through:

- Recycling and composting including the reduction of takeaway coffee cups and plastic drink bottles.
- Enhancing a paperless office mentality.

Emissions reduction actions

Having more or less attained operational capacity, the HILT CRC will continue certification of our carbon emissions under Climate Active as an integral component of our sustainability objectives.

Over the next year HILT CRC plans to continue to carefully consider travel needs, optimising travel to combine purposes and make use of remote meeting options where possible.

5.EMISSIONS SUMMARY

Emissions over time

Emissions since base year			
		Total tCO ₂ -e (without uplift)	Total tCO ₂ -e (with uplift)
Base Year / Year 1:	2021-22	59.5	60.1
Year 2:	2022-23	152.47	161.61
Year 3:	2023-24	234.54	248.62
Year 4	2024-25	180.42	191.24

Significant changes in emissions

Total emissions for FY2025 were substantially lower (~30%) when compared to FY2024, but still higher than FY2023 (~15%).

It can therefore be speculated that FY2024 was the less representative reporting period, although across the operational period of the HILT CRC, emissions have varied substantially from year to year, owing in part to operational volatility, in particular related to business travel and professional services.

Significant changes in emissions			
Emission source	Previous year emissions (t CO ₂ -e)	Current year emissions (t CO ₂ -e)	Reason for change
Business services	14.82	24.96	Improved data acquisition from General Ledger data and some operational expansion
Legal services	12.41	20.64	Need for additional work on patents
Long business class flights (>3,700km)	8.76	19.19	Need for flights is project oriented and therefore subject to change
Short economy class flights (>400km, ≤3,700km)	62.61	28.63	Need for flights is project oriented and therefore subject to change

Use of Climate Active carbon neutral products, services, buildings or precincts

N/A.

Emissions summary

The electricity summary is available in Appendix B. Electricity emissions were calculated using a **location - based** approach.

Emission category	Scope 1 emissions (tCO ₂ -e)	Scope 2 emissions (tCO ₂ -e)	Scope 3 emissions (tCO ₂ -e)	Total emissions (t CO ₂ -e)
Accommodation and facilities	0.00	0.00	7.57	7.57
Cleaning and chemicals	0.00	0.00	0.32	0.32
Electricity	0.00	1.52	0.33	1.85
Food	0.00	0.00	17.78	17.78
ICT services and equipment	0.00	0.00	17.68	17.68
Office equipment and supplies	0.00	0.00	0.85	0.85
Professional services	0.00	0.00	66.10	66.10
Stationary energy (gaseous fuels)	0.31	0.00	0.06	0.37
Transport (air)	0.00	0.00	60.05	60.05
Transport (land and sea)	0.00	0.00	4.60	4.60
Waste	0.00	0.00	1.58	1.58
Water	0.00	0.00	0.03	0.03
Working from home	0.00	0.00	1.63	1.63
Grand Total	0.31	1.52	178.59	180.42
<i>Figures may not sum to total due to rounding.</i>				

Uplift factors

An uplift factor is an upwards adjustment to the total carbon inventory to account for relevant emissions that cannot be reasonably quantified or estimated. This conservative accounting approach helps ensure the integrity of the carbon neutral claim.

Reason for uplift factor	tCO ₂ -e
Additional 2% for lack of HVAC data and electricity/natural gas use by seconded staff (~2 FTEs)	1.80
Mandatory 5% uplift for small organisations	9.02
Total of all uplift factors (tCO ₂ -e)	10.82
Total emissions footprint to offset (tCO₂-e) <i>(total emissions from summary table + total of all uplift factors)</i>	191.24

6.CARBON OFFSETS

Eligible offsets retirement summary

Offsets retired for Climate Active certification

Type of offset unit	Quantity used for this reporting period	Percentage of total units used
Verified Carbon Units (VCUs)	192	100

Project name	Type of offset unit	Registry	Date retired	Serial number	Vintage	Total quantity retired	Quantity used in previous reporting periods	Quantity banked for future reporting periods	Quantity used for this reporting period	Percentage of total used this reporting period
Biomass/Biogas based heat and power generation at Everest Starch	VCU	Verra Registry	2/12/2025	5474-238476308-238476371-VCU-030-APX-IN-1-1535-01012015-31122015-0 Verra Registry	2015	64	0	0	64	33.33%
Macaúbas Landfill Gas Project - CER Conversion	VCU	Verra Registry	10/12/2025	14597-611413199-611413326-VCS-VCU-394-VER-BR-13-3010-11092017-02032020-1 Verra Registry	2020	128	0	0	128	66.67%
Offset Totals:						192	0	0	192	100.00%

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

N/A

APPENDIX A: ADDITIONAL INFORMATION

N/A

APPENDIX B: ELECTRICITY SUMMARY

There are two international best-practice methods for calculating electricity emissions – the location-based method and the market-based method. Reporting electricity emissions under both methods is called dual reporting.

Dual reporting of electricity emissions is useful, as it provides different perspectives of the emissions associated with a business's electricity usage.

Location-based method:

The location-based method provides a picture of a business's electricity emissions in the context of its location, and the emissions intensity of the electricity grid it relies on. It reflects the average emissions intensity of the electricity grid in the location (State) in which energy consumption occurs. The location-based method does not allow for any claims of renewable electricity from grid-imported electricity usage.

Market-based method:

The market-based method provides a picture of a business's electricity emissions in the context of its renewable energy investments. It reflects the emissions intensity of different electricity products, markets and investments. It uses a residual mix factor (RMF) to allow for unique claims on the zero emissions attribute of renewables without double-counting.

For this certification, electricity emissions have been set by using the **location-based approach**

Market-based approach summary			
Market-based approach	Activity Data (kWh)	Emissions (kg CO ₂ -e)	Renewable percentage of total
Behind the meter consumption of renewable electricity generated	0	0	0%
Total non-grid renewable electricity	0	0	0%
LGC purchased and retired (kWh) (including PPAs)	0	0	0%
GreenPower	0	0	0%
Climate Active certified - Precinct/Building (voluntary renewables)	0	0	0%
Climate Active certified - Precinct/Building (LRET)	0	0	0%
Climate Active certified - Precinct/Building jurisdictional renewables (LGCs surrendered)	0	0	0%
Climate Active certified - Electricity products (voluntary renewables)	0	0	0%
Climate Active certified - Electricity products (LRET)	0	0	0%
Climate Active certified - Electricity products jurisdictional renewables (LGCs surrendered)	0	0	0%
Jurisdictional renewables (LGCs surrendered)	0	0	0%
Jurisdictional renewables (LRET) (applied to ACT grid electricity)	0	0	0%
Large Scale Renewable Energy Target (applied to grid electricity only)	1,201	0	18%
Residual electricity	5,397	4,966	0%
Total renewable electricity (grid + non grid)	1,201	0	18%
Total grid electricity	6,598	4,966	18%
Total electricity (grid + non grid)	6,598	4,966	18%
Percentage of residual electricity consumption under operational control	100%		
Residual electricity consumption under operational control	5,397	4,966	
Scope 2	4,752	4,372	
Scope 3 (includes T&D emissions from consumption under operational control)	645	594	
Residual electricity consumption not under operational control	0	0	
Scope 3	0	0	

Total renewables (grid and non-grid)	18.20%
Mandatory	18.20%
Voluntary	0.00%
Behind the meter	0.00%
Residual scope 2 emissions (t CO₂-e)	4.37
Residual scope 3 emissions (t CO₂-e)	0.59
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	4.37
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	0.59
Total emissions liability (t CO₂-e)	4.97

Figures may not sum to total due to rounding. Renewable percentage can be above 100%

Location-based approach summary						
Location-based approach	Activity Data (kWh) total	Under operational control			Not under operational control	
Percentage of grid electricity consumption under operational control	100%	(kWh)	Scope 2 Emissions (kg CO ₂ -e)	Scope 3 Emissions (kg CO ₂ -e)	(kWh)	Scope 3 Emissions (kg CO ₂ -e)
ACT	0	0	0	0	0	0
NSW	0	0	0	0	0	0
SA	6,598	6,598	1,518	330	0	0
VIC	0	0	0	0	0	0
QLD	0	0	0	0	0	0
NT	0	0	0	0	0	0
WA	0	0	0	0	0	0
TAS	0	0	0	0	0	0
Grid electricity (scope 2 and 3)	6,598	6,598	1,518	330	0	0
ACT	0	0	0	0		
NSW	0	0	0	0		
SA	0	0	0	0		
VIC	0	0	0	0		
QLD	0	0	0	0		
NT	0	0	0	0		
WA	0	0	0	0		
TAS	0	0	0	0		
Non-grid electricity (behind the meter)	0	0	0	0		
Total electricity (grid + non grid)	6,598					

Residual scope 2 emissions (t CO₂-e)	1.52
Residual scope 3 emissions (t CO₂-e)	0.33
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	1.52
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	0.33
Total emissions liability	1.85

Operations in Climate Active buildings and precincts

Operations in Climate Active buildings and precincts	Electricity consumed in Climate Active certified building/precinct (kWh)	Emissions (kg CO ₂ -e)
N/A	0	0
Climate Active carbon neutral electricity is not renewable electricity. These electricity emissions have been offset by another Climate Active member through their building or precinct certification. This electricity consumption is also included in the market based and location-based summary tables. Any electricity that has been sourced as renewable electricity by the building/precinct under the market-based method is outlined as such in the market-based summary table.		

Climate Active carbon neutral electricity products

Climate Active carbon neutral electricity product used	Electricity claimed from Climate Active electricity products (kWh)	Emissions (kg CO ₂ -e)
N/A	0	0
Climate Active carbon neutral electricity is not renewable electricity. These electricity emissions have been offset by another Climate Active member through their electricity product certification. This electricity consumption is also included in the market based and location-based summary tables. Any electricity that has been sourced as renewable electricity by the electricity product under the market-based method is outlined as such in the market-based summary table.		

APPENDIX C: INSIDE EMISSIONS BOUNDARY

Non-quantified emission sources

The following emissions sources have been assessed as relevant, are captured within the emissions boundary, but are not measured (quantified) in the carbon inventory. They have been non-quantified due to one of the following reasons:

1. **Immaterial** <1% for individual items and no more than 5% collectively
2. **Cost effective** Quantification is not cost effective relative to the size of the emission but uplift applied.
3. **Data unavailable** Data is unavailable but uplift applied. A data management plan must be put in place to provide data within 5 years.
4. **Maintenance** Initial emissions non-quantified but repairs and replacements quantified.

Relevant non-quantified emission sources	Justification reason
Building HVAC gasses	Data Unavailable
Seconded staff electricity usage	Quantification is not cost effective
Seconded staff natural gas usage	Quantification is not cost effective

Data management plan for non-quantified sources

The data management plan below outlines how more rigorous quantification can be achieved for material (greater than 1%) non-quantified emission sources.

HILT CRC will attempt to obtain data on the relevant refrigerant gas type and quantity from its current building management. Other operations wherein seconded staff may be housed are all small portions of much larger operations and it has been assumed this is not substantive.

As part of future assessments this information will be included as a requirement for leasing agreements.

APPENDIX D: OUTSIDE EMISSIONS BOUNDARY

Excluded emission sources

The below emission sources have been assessed as not relevant to this organisation's operations and are outside of its emissions boundary. These emissions are not part of the carbon neutral claim. Emission sources considered for relevance must be included within the certification boundary if they meet two of the five relevance criteria. Those which only meet one condition of the relevance test can be excluded from the certification boundary.

Emissions tested for relevance are detailed below against each of the following criteria:

1. **Size** The emissions from a particular source are likely to be large relative to the organisation's electricity, stationary energy and fuel emissions.
2. **Influence** The responsible entity has the potential to influence the reduction of emissions from a particular source.
3. **Risk** The emissions from a particular source contribute to the organisation's greenhouse gas risk exposure.
4. **Stakeholders** Key stakeholders deem the emissions from a particular source are relevant.
5. **Outsourcing** The emissions are from outsourced activities previously undertaken within the organisation's boundary, or from outsourced activities typically undertaken within the boundary for comparable organisations.

Excluded emissions sources summary

Emission sources tested for relevance						Justification
	Size	Influence	Risk	Stakeholders	Outsourcing	
N/A	N/A	N/A	N/A	N/A	N/A	Size: N/A Influence: N/A Risk: N/A Stakeholders: N/A Outsourcing: N/A



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