



PUBLIC DISCLOSURE STATEMENT

HILT CRC LIMITED

ORGANISATION


FY2021–22

Australian Government
Climate Active
Public Disclosure Statement



An Australian Government Initiative



NAME OF CERTIFIED ENTITY	HILT CRC LIMITED
REPORTING PERIOD	1 July 2021 – 30 June 2022 Arrears report
DECLARATION	<p><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></p>  <p>Ian Hardwick Chief Operating Officer & Company Secretary 27 April 2023</p>



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

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Version March 2022.



1. CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	61 tCO ₂ -e
OFFSETS BOUGHT	100% VCUs
RENEWABLE ELECTRICITY	N/A
TECHNICAL ASSESSMENT	30/10/22 Grant Westphalen Trellis Technologies Pty Ltd Next technical assessment due: 31/10/2025
THIRD PARTY VALIDATION	Type 1 06/12/22 Name: Alexander Stathakis Organisation: Conversion Pty Ltd

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2. CARBON NEUTRAL INFORMATION

Description of 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.

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.

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 \$41.6 million cash and \$118.4 million of in-kind contributions from our partners.

We are currently based at Lot Fourteen in Adelaide and have been at this location for a small portion of FY22.

“HILT CRC is committed to achieving Climate Active carbon neutral certification within its operations to demonstrate that we share the responsibility and challenge of reducing carbon emissions whilst working towards our vision of de-risking decarbonisation pathways for heavy industry.”

3.EMISSIONS BOUNDARY

Inside the emissions boundary

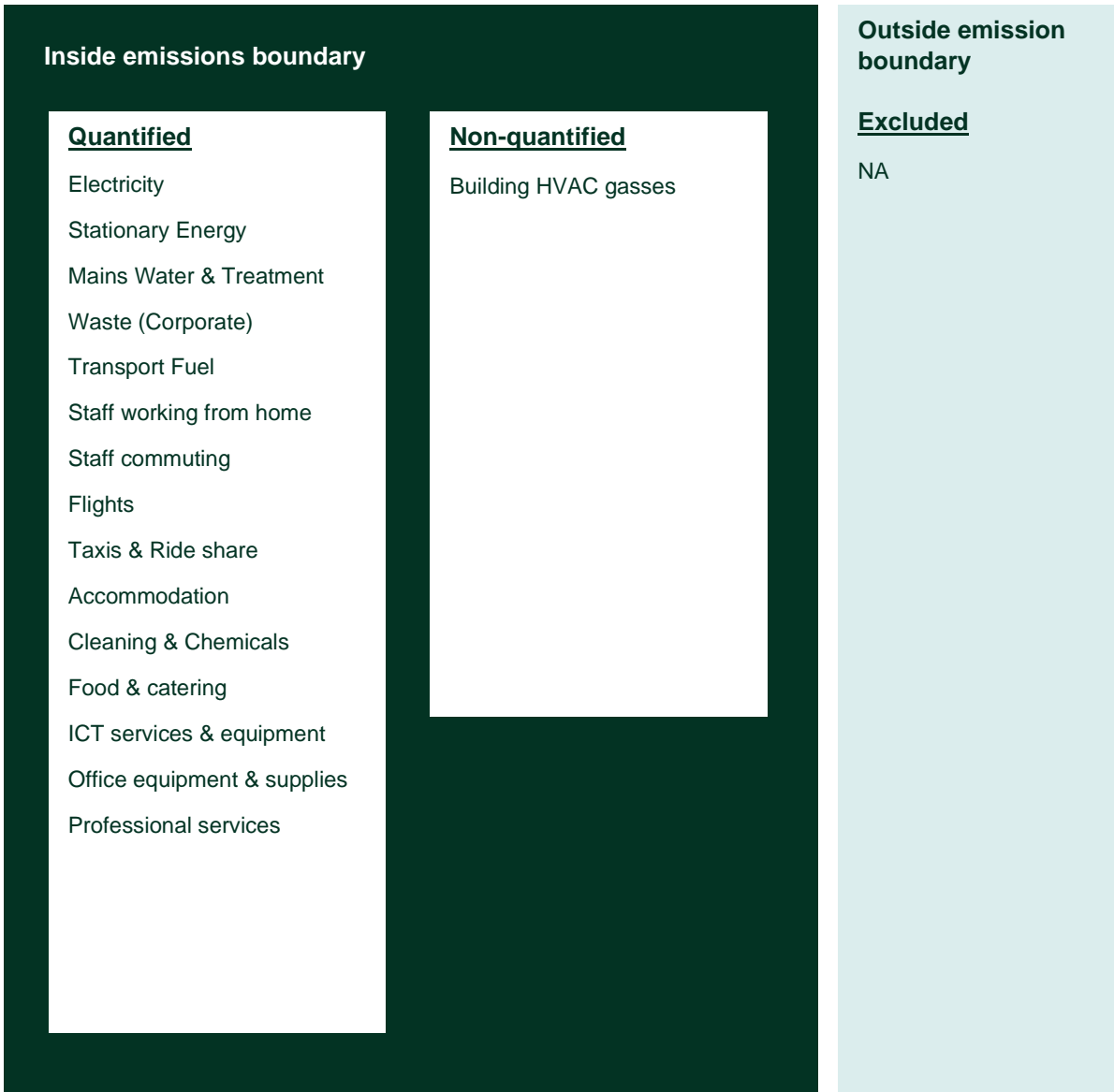
All emission sources listed in the emissions boundary are part of the carbon neutral claim.

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 or precinct'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.



Data management plan for non-quantified sources

HVAC gas leakage has been requested but not obtained from building managements.

An additional uplift of 1% of total emissions has been included in the emissions estimate to encompass this source.

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

As part of future assessments, further engagement will be pursued with the intention of making this information a requirement for leasing agreements.

An additional uplift of 1% of total emissions has been included in the emissions estimate to encompass this source.

4. EMISSIONS REDUCTIONS

Emissions reduction strategy

The emissions reductions strategy:

- FY22 is our start-up year with only 3 employees, and it is likely that our carbon emissions will likely increase in FY23. The need for a baseline reassessment will be undertaken at that time. HILT Scope 1 and 2 emissions are currently negligible. For this reason, we concentrate on our Scope 3 emissions.
- We commit to working with our suppliers to reduce all emissions in our value chain by 20% by FY28, from a potentially revised FY23 base year.

This process will include the following commitments:

- Commence annual measurement and reporting of our carbon emissions once our Climate Active certification has been received.
- Greater use of remote meeting and event options in lieu of business travel.
- Optimise travel to combine purposes and thereby reduce the overall number of flights required.
- Immediately preference suppliers who are climate active certified.
- Immediately preference airline suppliers who have ambitions for net zero.
- Lobby (and assist where possible) lessor of HILT CRC's head office premise to become Climate Active certified.
- Waste reduction in our office premises through recycling and composting including the reduction of takeaway coffee cups and plastic drink bottles.

The combined focus on greater use of remote meeting options as well as use of carbon neutral flights will reduce emissions by approximately 6% over the next 12 months.

5. EMISSIONS SUMMARY

Use of Climate Active carbon neutral products and services

Certified brand name	Product or Service used
Fuller Brand Communication	Communications and Brand creative agency

Organisation emissions summary

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

Emission category	Sum of total emissions (tCO ₂ -e)
Accommodation and facilities	0.53
Bespoke	0
Cleaning and Chemicals	0.28
Climate Active Carbon Neutral Products and Services	0
Construction Materials and Services	0
Electricity	0.7
Food	1.82
Horticulture and Agriculture	0
ICT services and equipment	15.21
Machinery and vehicles	0
Office equipment & supplies	0.25
Postage, courier and freight	0
Products	0
Professional Services	35.25
Refrigerants	0
Roads and landscape	0
Stationary Energy (gaseous fuels)	0.016
Stationary Energy (liquid fuels)	0.001
Stationary Energy (solid fuels)	0
Transport (Air)	3.48
Transport (Land and Sea)	1.11
Waste	0.59
Water	0.013
Working from home	0.177
Total	59.50

Uplift factors

An uplift factor is an upwards adjustment to the total carbon inventory to account for relevant emissions, which can't 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 1% for lack of HVAC data	0.6
Total of all uplift factors	0.6
Total footprint to offset <i>(total net emissions from summary table + total uplifts)</i>	60.1

6. CARBON OFFSETS

Offsets retirement approach

In arrears

1.	Total emissions footprint to offset for this report	61
2.	Total eligible offsets purchased and retired for this report	64
3.	Total eligible offsets banked to use toward next year's report	3

Co-benefits

NA

Eligible offsets retirement summary

Offsets cancelled for Climate Active Carbon Neutral Certification											
Project description	Type of offset units	Registry	Date retired	Serial number (and hyperlink to registry transaction record)	Vintage	Stapled quantity	Eligible quantity (tCO ₂ -e)	Eligible quantity used for previous reporting periods	Eligible quantity banked for future reporting periods	Eligible quantity used for this reporting period	Percentage of total (%)
Biomass Based Co generation Project in Paper Mill at Village Rupana, Punjab, India	VCU	Verra	04/12/2022	4180-176907294-176907343-VCU-050-APX-IN-1-1387-01012014-31122014-0 https://registry.verra.org/myModule/rpt/myrpt.asp?r=206&h=182214	2014	0	50	50	0	50	78
Biomass/Biogas based heat and power generation at Everest Starch	VCU	Verra	04/12/2022	5474-238476272-238476285-VCU-030-APX-IN-1-1535-01012015-31122015-0 https://registry.verra.org/myModule/rpt/myrpt.asp?r=206&h=179568	2015	0	14	14	0	14	22
Total offsets retired this report and used in this report										61	
Total offsets retired this report and banked for future reports										64	

Type of offset units	Quantity (used for this reporting period claim)	Percentage of total
Verified Carbon Units (VCUs)	61	100

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

NA

APPENDIX A: ADDITIONAL INFORMATION

NA

APPENDIX B: ELECTRICITY SUMMARY

Electricity emissions are calculated using a location-based approach.

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.

Market Based Approach Summary			
Market Based Approach	Activity Data (kWh)	Emissions (kgCO ₂ e)	Renewable Percentage of total
Behind the meter consumption of electricity generated	0	0	0%
Total non-grid electricity	0	0	0%
LGC Purchased and retired (kWh) (including PPAs & Precinct LGCs)	0	0	0%
GreenPower	0	0	0%
Jurisdictional renewables (LGCs retired)	0	0	0%
Jurisdictional renewables (LRET) (applied to ACT grid electricity)	0	0	0%
Large Scale Renewable Energy Target (applied to grid electricity only)	351	0	19%
Residual Electricity	1,535	1,527	0%
Total grid electricity	1,886	1,527	19%
Total Electricity Consumed (grid + non grid)	1,886	1,527	19%
Electricity renewables	351	0	
Residual Electricity	1,535	1,527	
Exported on-site generated electricity	0	0	
Emissions (kgCO ₂ e)		1,527	
Total renewables (grid and non-grid)	18.59%		
Mandatory	18.59%		
Voluntary	0.00%		
Behind the meter	0.00%		
Residual Electricity Emission Footprint (TCO₂e)	2		

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

Location Based Approach Summary

Location Based Approach	Activity Data (kWh)	Scope 2 Emissions (kgCO2e)	Scope 3 Emissions (kgCO2e)
ACT	0	0	0
NSW	0	0	0
SA	1,886	566	132
Vic	0	0	0
Qld	0	0	0
NT	0	0	0
WA	0	0	0
Tas	0	0	0
Grid electricity (scope 2 and 3)	1,886	566	132
ACT	0	0	0
NSW	0	0	0
SA	0	0	0
Vic	0	0	0
Qld	0	0	0
NT	0	0	0
WA	0	0	0
Tas	0	0	0
Non-grid electricity (Behind the meter)	0	0	0
Total Electricity Consumed	1,886	566	132

Emission Footprint (TCO2e)

Emission Footprint (TCO2e)	1
Scope 2 Emissions (TCO2e)	1
Scope 3 Emissions (TCO2e)	0

Climate Active Carbon Neutral Electricity summary

Carbon Neutral electricity offset by Climate Active Product	Activity Data (kWh)	Emissions (kgCO2e)
NA	0	0

Climate Active carbon neutral electricity is not renewable electricity. The emissions have been offset by another Climate Active member through their Product certification.

APPENDIX C: INSIDE EMISSIONS BOUNDARY

Non-quantified emission sources

The following sources emissions 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	(1) Immaterial	(2) Cost effective (but uplift applied)	(3) Data unavailable (but uplift applied & data plan in place)	(4) Maintenance
Building HVAC gasses	No	No	Yes (uplift applied & data plan in place)	No

APPENDIX D: OUTSIDE EMISSIONS BOUNDARY

Excluded emission sources

The below emission sources have been assessed as not relevant to an organisation's or precinct'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.

Emission sources tested for relevance	(1) Size	(2) Influence	(3) Risk	(4) Stakeholders	(5) Outsourcing	Included in boundary?
NA	NA	NA	NA	NA	NA	NA



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