PUBLIC DISCLOSURE STATEMENT

ID ECOLOGICAL MANAGEMENT

ORGANISATION CERTIFICATION

FY2021-22

Australian Government

Climate Active
Public Disclosure Statement

An Australian Government Initiative

NAME OF CERTIFIED ENTITY	Indigenous Design Environmental Services Pty Ltd
REPORTING PERIOD	1 July 2021 – 30 June 2022 Arrears report
DECLARATION	*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.* 
	Nicole Noy Managing Director 23/01/2023

Australian Government
Department of Industry, Science, Energy and Resources

Version March 2022. To be used for FY20/21/CY2021 reporting onwards.

1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	377 tCO_2-e
OFFSETS BOUGHT	100% VERRA
RENEWABLE ELECTRICITY	N/A
TECHNICAL ASSESSMENT	Date: 26/10/2021 Name: Michael Rhydderch Organisation: Pangolin Associates Next technical assessment due: FY2025

Contents

2. CARBON NEUTRAL INFORMATION

Description of certification

This inventory has been prepared for the financial year from 1 July 2021 to 30 June 2022 and covers the Australian business operations of Indigenous Design Environmental Services Pty Ltd, trading as ID Ecological Management, ABN: 64 081 044 144.

The operational boundary has been defined based on an operational control test, in accordance with the principles of the National Greenhouse and Energy Reporting Act 2007. This includes the following facilities:

- 1635 Main Road, Research VIC 3095
- 95 Tramway Road, Morwell VIC 3840
- 1A Cyclone St, Wonthaggi VIC 3995

The methods used for collating data, performing calculations and presenting the carbon account are in accordance with the following standards:

- Climate Active Standards
- The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)
- National Greenhouse and Energy Reporting (Measurement) Determination 2008

"As a company working to protect and enhance the natural environment, being Climate Active aligns with our core business values and purpose. We want to ensure that we're taking responsibility for our actions as a company and building a better future for ourselves and the planet."

Where possible, the calculation methodologies and emission factors used in this inventory are derived from the National Greenhouse Accounts (NGA) Factors in accordance with "Method 1" from the National Greenhouse and Energy Reporting (Measurement) Determination 2008.

The greenhouse gases considered within the inventory are those that are commonly reported under the Kyoto Protocol; carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O) and synthetic gases - hydrofluorocarbons (HFCs), perfluorocarbons (PFCs) sulphur hexafluoride (SF_6) and nitrogen trifluoride (NF_3). These have been expressed as carbon dioxide equivalents (CO_2-e) using relative global warming potentials (GWPs).

Organisation description

ID Ecological Management deliver:

- **Ecological Consulting -** specialising in ecological assessment, land management planning and landscape rehabilitation.
- **Ecological Restoration & Land Management -** specialising in enhancing and maintaining biodiversity and rehabilitation of degraded landscapes through targeted and effective weed control, revegetation and other recognised land management practices.

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

There are no non-quantified sources in the emission boundary that require a data management plan.

4.EMISSIONS REDUCTIONS

Emissions reduction strategy

‘ID Ecological Management commits to reduce total scope 1, 2 and 3 emissions from the business by 15% by 2030 compared to a FY2021 baseline. This will be achieved through the following measures:’

Scope 1 emissions will be reduced by:

- Replacing company-owned vehicles with electric or hybrid vehicles where practicable to reduce the emissions from scope 1 by 15% by 2030.

Scope 2 emissions:

- ID Ecological Management currently purchases Powershop for its electricity consumption, but their ultimate goal is to procure Green Power and depend entirely on renewable energy sources by 2030.

Scope 3 emissions will be reduced by:

- Investigating the potential to engage suppliers for the purpose of achieving more accurate emissions calculations of our purchased goods and services.
- Investigate how we can work with our suppliers of horticulture and agricultural products to both build more accurate emissions calculations of those products and help to decarbonize that sector to reduce the emissions from scope 3 by 10% by 2030.

Emissions reduction actions

Whilst ID Ecological Management emissions have increased in FY22 compared to FY21, this is largely as a result of increased business activity as outlined under the Significant changes in Emissions section.

ID Ecological Management implemented a number of waste reduction measures in F22. This resulted in an emission reduction from 16.91t of waste to 3.9t of waste. This included actions such as composting and dedicated green waste disposal at our Research depot.

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5.EMISSIONS SUMMARY

Emissions over time

Emissions since base year		
		Total tCO_2-e
Base year: / Year 1	2020–21	343.2
Year 2:	2021–22	376.0005

Significant changes in emissions

Emission source name	Current year (tCO_2-e)	Previous year (tCO_2-e)	Detailed reason for change
Herbicide	70.2	63.2	Increase in workload.
Petrol: Medium Car	21.0	13.8	Employee commute was impacted by COVID
Petrol: Small Car	20.8	5.8	Employee commute was impacted by COVID

Use of Climate Active carbon neutral products and services

This assessment and Climate Active submission was prepared with the assistance of Pangolin Associates and these services are also carbon neutral.

ID Ecological Management also purchases volumes of reflex Climate Active paper.

ID Ecological Management purchases natural gas and electricity from Powershop who are certified as carbon neutral via Climate Active certification for their services.

Organisation emissions summary

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

Emission category	Sum of total emissions (tCO_2-e)
Accommodation and facilities	2.3
Cleaning and Chemicals	1.0
Climate Active Carbon Neutral Products and Services	0.0
Construction Materials and Services	5.5
Food	1.6
Horticulture and Agriculture	2.7
ICT services and equipment	6.8
Office equipment & supplies	0.8
Postage, courier and freight	3.5
Products	74.9
Professional Services	1.4
Refrigerants	0.6
Stationary Energy (liquid fuels)	13.9
Transport (Land and Sea)	226.6
Waste	5.0
Water	0.9
Working from home	2.9
Stationary Energy	0.0
Products, Materials & Equipment	14.4
Horticulture & Agriculture	11.2
Total	**376.0005**

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
N/A	
Total of all uplift factors	N/A
Total footprint to offset *(total net emissions from summary table + total uplifts)*	**N/A**

6.CARBON OFFSETS

Offsets retirement approach

In arrears		
1.	Total number of eligible offsets banked from last year's report	0
2.	Total emissions footprint to offset for this report	377
3.	Total eligible offsets required for this report	377
4.	Total eligible offsets purchased and retired for this report	377
5.	Total eligible offsets banked to use toward next year's report	0

Co-benefits

Hero Future Energies prioritise the needs of local communities across their project sites. Together with the Raman Kant Munjal Foundation they work on projects to preserve natural resources as well as provide access to basic amenities such as access to clean drinking water, sanitation, school infrastructure, education and overall development of underprivileged children. Hero Future Energies has created an asset base of ~ 1GW of operational and under construction utility scale wind projects. In their journey from an Independent Power Producer in renewable energy to becoming a cleantech entity, they have invested extensively on the state-of-the-art central monitoring system which aces our performance management capabilities. Their strong sense of design, pool of talented engineering professionals and adherence to HSE norms contribute majorly to this success.

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 (%)**
Wind Power Project at Anthiyur, Tamil Nadu, India	VCUs	VERRA	14 Feb 2023	6875-353379566-353379942-VCU-050-APX-IN-1-682-01012018-31082018-0	2018		377	0	0	377	100%
									Total offsets retired this report and used in this report	377	
									Total offsets retired this report and banked for future reports	0	

Type of offset units	Quantity (used for this reporting period claim)	Percentage of total
Verified Carbon Units (VCUs)	377	100

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

N/A

APPENDIX A: ADDITIONAL INFORMATION

N/A

APPENDIX B: ELECTRICITY SUMMARY

Electricity emissions are calculated using a market-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.

Climate Active Carbon Neutral Electricity summary

Carbon Neutral electricity offset by Climate Active Product	Activity Data (kWh)	Emissions (kgCO2e)
Powershop	**17659**	**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

The following sources emissions have been assessed as relevant, are captured within the emissions boundary, but are not measured (quantified) in the carbon inventory. These emissions are accounted for through an uplift factor. 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
N/A	N/A	N/A	N/A	N/A

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?
N/A	N/A	N/A	N/A	N/A	N/A	N/A

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