



PUBLIC DISCLOSURE STATEMENT

ZILCH FORWARDING PTY LTD

ORGANISATION CERTIFICATION


CY2022

Australian Government
Climate Active
Public Disclosure Statement



An Australian Government Initiative



NAME OF CERTIFIED ENTITY	Zilch Forwarding Pty Ltd
REPORTING PERIOD	Calendar year 1 January 2022 – 31 December 2023 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>Michael Blake CEO 31/10/23</p>



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

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Version August 2023.

1. CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	14 tCO ₂ -e (186 tCO ₂ -e including service)
OFFSETS USED	100% VCU's
RENEWABLE ELECTRICITY	N/A
CARBON ACCOUNT	Prepared by: EnergyLink Services
TECHNICAL ASSESSMENT	Date 08/06/2021 Organisation EnergyLink Services Next technical assessment due: CY 2024

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2. CARBON NEUTRAL INFORMATION

Description of certification

This certification covers the Australian business operations of Zilch Forwarding Pty Ltd, ABN 69 652 189 412.

Organisation description

Zilch Forwarding Pty Ltd (ABN 69 652 189 412) is the clean freight forwarding specialist accelerating the transition to zero-emission logistics. Zilch Forwarding facilitates the international and domestic transportation of goods on behalf of customers through freight mediums (trucks, ships, planes) that are owned and operated by third parties. The company is based in Melbourne, VIC and offers freight forward services to clients in Australia and internationally through a global network of third-party partners.

Zilch Forwarding has taken an operational control approach in establishing the boundary of this certification.

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 in 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.

Inside emissions boundary		Outside emission boundary
<u>Quantified</u> Accommodation Air Transport (km) Cleaning & Chemicals Electricity Food & Catering ICT Services & Equipment Office Equipment & Supplies Printing and Stationary Professional Services Land and Sea Transport (km) Staff Commuting Waste Working from Home	<u>Non-quantified</u> N/A	<u>Excluded</u> Embodied carbon of the transport vessels utilised by Zilch Forwarding Refrigerants
	<u>Optionally included</u> N/A	

4. EMISSIONS REDUCTIONS

Emissions reduction strategy

Established in 2021, Zilch has responded to the surging need for eco-efficient transport solutions in international supply chains. Initially, our emissions were relatively high due to foundational expenses, yet we have achieved a remarkable reduction, cutting our carbon emissions by over 60% in our second reporting year 2022.

Our operations are currently efficiently housed within a compact office space in South Yarra, Victoria. Moreover, we take pride in our partnership with a Climate Active certified electricity provider, further consolidating our commitment to sustainability.

Our strategic challenge is somewhat unique: we aim not to lower our current emissions but to generate business expansion that is inherently sustainable, effectively breaking the traditional link between growth and increased emissions.

In the reporting year, CY23 / 24, Zilch is poised to enhance our human capital, doubling our team's size. We plan to achieve this growth within the confines of our existing space. Such measures are projected to result in a net reduction of emissions, relative to business throughput.

To encapsulate this sustainable growth ethos, Zilch is in the process of crafting an intensity-based metric. This measure is designed to accurately reflect our capacity to manage escalating freight volumes while maintaining our pledge to limit our environmental impact.

Emissions reduction actions

Emissions reductions action for 2022 reporting period are driven by reduced expenditure across the organisation, resulting in a significant reduction in emissions from our baseline year.

5. EMISSIONS SUMMARY

Emissions over time

		Emissions since base year	
		Total tCO ₂ -e (without uplift)	Total tCO ₂ -e (with uplift)
Base year:	2020–21	36.64	36.64
Year 1:	2021–22	13.60	13.60

Significant changes in emissions

Emission source name	Previous year emissions (t CO ₂ -e)	Current year emissions (t CO ₂ -e)	Detailed reason for change
Advertising services	18.60	1.71	Emissions higher in year 1 due to business established costs and activity.
Short economy class flights (>400km, ≤3,700km)	0.24	1.89	Organic business growth

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

Certified brand name	Product/Service/Building/Precinct used
EnergyLink Services	Climate Active CY22 Certification
Powershop	Climate Active Carbon Neutral Electricity

Emissions Summary

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

Emission category	Sum of scope 1 (tCO ₂ -e)	Sum of scope 2 (tCO ₂ -e)	Sum of scope 3 (tCO ₂ -e)	Sum of total emissions (t CO ₂ -e)
Cleaning and chemicals	-	-	0.09	0.09
Climate Active carbon neutral products and services	-	-	0.00	0.00
Food	-	-	0.32	0.32
ICT services and equipment	-	-	0.64	0.64
Machinery and vehicles	-	-	0.09	0.09
Office equipment and supplies	-	-	0.24	0.24
Professional Services	-	-	2.99	2.99
Transport (air)	-	-	1.89	1.89
Transport (land and sea)	-	-	5.04	5.04
Waste	-	-	0.73	0.73
Working from home	-	-	1.58	1.58
Total emissions	-	-	13.60	13.60

Uplift factors

N/A

6. CARBON OFFSETS

Offsets retirement approach

This certification has taken an in-arrears offsetting approach. The total emission to offset is 186 t CO₂-e. The total number of eligible offsets used in this report is 186. Of the total eligible offsets used 707 were previously banked and 0 were newly purchased and retired. 521 are remaining and have been banked for future use.

Co-benefits

The carbon offsets purchased for this certification have come from 2 carbon offset projects, one of which was stapled to an Australian biodiversity project:

Sispara Wind Bundle Project

This small-scale wind project involves the installation of 35.5MW wind capacity for power generation across 4 locations in India. The project generates clean energy that is exported to the local electricity grid in Maharashtra, thereby displacing the use of fossil-fuels in the region. This helps to meet the electricity needs of the local community while improving air quality and health compared to using fossil fuel power generators.

Katingan Mentaya REDD+ Project

The Katingan Mentaya Project is living proof that carbon finance can combat climate change. This project is the largest program of its kind, generating an average 7.5 million triple gold certified carbon credits annually; equivalent to taking 2,000,000 cars off the road each year. In partnership with local communities, Katingan utilise's carbon revenues to ensure natural forest restoration and protection, through activities aligned with the UN Sustainable Development Goals. The project protects vital peatland habitats in Central Kalimantan, Indonesia for five Critically Endangered, eight Endangered and 31 Vulnerable species. The protected area is home to between 5 - 10% of the global populations of the Bornean Orangutan, Proboscis Monkey and Southern Bornean Gibbon.

Watchbox Australian Biodiversity Project

Small-scale conservation project (approx. 82 ha) located in central Victoria, Australia. This biodiversity project helps to protect several engaged species including the Brush-tailed Phascogale. It is protected under a 'Trust for Nature' covenant in perpetuity and the site is predominantly made up of Grassy Dry Forest and Healthy Dry Forest. This project produces Australian Biodiversity Units (ABUs) that are retired on the Native Vegetation Credit Register (and then subsequently moved to a voluntary register run by Vegetation Link – for voluntary purposes). Each biodiversity unit represents 1.5m² of protected habitat and is managed under a Trust for Nature covenant in perpetuity for conservation purposes. Biodiversity units from this project have been purchased to further demonstrate Zilch's commitment to achieving positive environmental outcome

Eligible offsets retirement summary

Offsets retired 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 retired (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 bundle project in Maharashtra	VCU	Verra	7 June 2021	8457-21858502-21859042-VCS-VCU-997-VER-IN-1-1660-01012019-31102019-0	2019	0	541	0	521	20	11%
Katingan Peatland Restoration and Conservation Project	VCU	Verra	7 June 2021	6359-304832443-304832589-VCU-016-APX-ID-14-1477-01012017-31122017-1	2017	0	147	0	0	147	79%
Katingan Peatland Restoration and Conservation Project	VCU	Verra	7 June 2021	6359-304832143-304832235-VCU-016-APX-ID-14-1477-01012017-31122017-1	2017	0	93	74	0	19	10%
Total offsets retired this report and used in this report										186*	
Total offsets retired this report and banked for future reports									521		
Type of offset units		Eligible quantity (used for this reporting period)					Percentage of total				
Verified Carbon Units (VCUs)		186					100%				

*Please note, this retirement summary covers Zilch Forwarding's Service and Organisation Climate Active Carbon Neutral credit retirement.

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

N/A

APPENDIX A: ADDITIONAL INFORMATION**Additional offsets cancelled for purposes other than Climate Active Carbon Neutral Certification**

Project description	Type of offset units	Registry	Date retired	Serial number (and hyperlink to registry transaction record)	Vintage	Eligible Quantity (tCO₂-e)	Purpose of cancellation
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.

Market-based approach summary			
Market-based approach	Activity Data (kWh)	Emissions (kg CO 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)	0	0	0%
GreenPower	0	0	0%
Climate Active precinct/building (voluntary renewables)	0	0	0%
Precinct/Building (LRET)	0	0	0%
Precinct/Building jurisdictional renewables (LGCS surrendered)	0	0	0%
Electricity products (voluntary renewables)	0	0	0%
Electricity products (LRET)	0	0	0%
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)	0	0	0%
Residual Electricity	2,124	2,028	0%
Total renewable electricity (grid + non grid)	0	0	0%
Total grid electricity	2,124	2,028	0%
Total electricity (grid + non grid)	2,124	2,028	0%
Percentage of residual electricity consumption under operational control	100%		
Residual electricity consumption under operational control	2,124	2,028	
Scope 2	1,876	1,791	
Scope 3 (includes T&D emissions from consumption under operational control)	248	237	
Residual electricity consumption not under operational control	0	0	
Scope 3	0	0	

Total renewables (grid and non-grid)	0.00%
Mandatory	0.00%
Voluntary	0.00%
Behind the meter	0.00%
Residual scope 2 emissions (t CO₂-e)	1.79
Residual scope 3 emissions (t CO₂-e)	0.24
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	0.00
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	0.00
Total emissions liability (t CO₂-e)	0.00

Figures may not sum 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 (kgCO ₂ -e)	Scope 3 Emissions (kgCO ₂ -e)	(kWh)	Scope 3 Emissions (kgCO ₂ -e)
ACT	0	0	0	0	0	0
NSW	0	0	0	0	0	0
SA	0	0	0	0	0	0
VIC	2,124	2,124	1,805	149	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)	2,124	2,124	1,805	149	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)	2,124					

Residual scope 2 emissions (t CO₂-e)	1.81
Residual scope 3 emissions (t CO₂-e)	0.15
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	0.00
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	0.00
Total emissions liability	0.00

Climate Active carbon neutral electricity products

Climate Active carbon neutral product used	Electricity claimed from Climate Active electricity products (kWh)	Emissions (kg CO ₂ -e)
Powershop Australia	2,123.94	0
<i>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.</i>		

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
N/A	

Data management plan for non-quantified sources

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

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	Size	Influence	Risk	Stakeholders	Outsourcing	Justification
Refrigerants	N	N	N	N	N	<p>Size: The emissions source is likely to be immaterial compared to stationary energy and fuel emissions.</p> <p>Influence: We do not have the potential to influence the emissions from this source, including by shifting to a different lower-emissions supplier for our business.</p> <p>Risk: There are no relevant laws or regulations that apply to limit emissions specifically from this source, the source does not create supply chain risks, and it is unlikely to be of significant public interest.</p> <p>Stakeholders: Key stakeholders, including the public, are unlikely to consider this a relevant source of emissions for our business.</p> <p>Outsourcing: We have not previously undertaken this activity within our emissions boundary and comparable organisations do not typically undertake this activity within their boundary.</p>
Embodied carbon of the transport vessels utilised by Zilch Forwarding	Y	N	N	N	N	<p>Size: The emissions source is likely to be immaterial compared to stationary energy and fuel emissions.</p> <p>Influence: We do not have the potential to influence the emissions from this source, including by shifting to a different lower-emissions supplier for our business.</p> <p>Risk: There are no relevant laws or regulations that apply to limit emissions specifically from this source, the source does not create supply chain risks, and it is unlikely to be of significant public interest.</p> <p>Stakeholders: Key stakeholders, including the public, are unlikely to consider this a relevant source of emissions for our business.</p> <p>Outsourcing: We have not previously undertaken this activity within our emissions boundary and comparable organisations do not typically undertake this activity within their boundary.</p>



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