PUBLIC DISCLOSURE STATEMENT

ZILCH FORWARDING PTY LTD

ORGANISATION CERTIFICATION
CY2024

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 2024 – 31 December 2024 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.*
	Michael Blake CEO

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

Version 9.1.

1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	42 tCO_2-e
CARBON OFFSETS USED	100% VCUs
RENEWABLE ELECTRICITY	0.00%
CARBON ACCOUNT	Prepared by: EnergyLink Services Pty Ltd
TECHNICAL ASSESSMENT	1 September 2025 EnergyLink Services Next technical assessment due: CY2027

Contents

2. CERTIFICATION INFORMATION

Description of organisation certification

This organisation certification is for the business operations of by Zilch Forwarding Pty Ltd, ABN 69 652 189 412.

This Public Disclosure Statement includes information for CY2024 reporting period.

Organisation description

Zilch Forwarding is a global freight forwarding business that facilitates global freight moved via freight mediums of marine, air, road, and rail transportation, coupled with measurement and management of the related emissions.

Globally, freight transportation is almost exclusively powered by fossil fuels, making up roughly 11% of global greenhouse gas emissions and demand for freight is expected to triple by 2050 compared to 2015 according to the International Transport Forum (ITF), fueled by global supply chains, burgeoning economies in the developing world, and a rise in e-commerce activities. Over the same period, the world will see a doubling in freight transport GHG emissions if we proceed with business as usual.

Responding to this growing calamity, Zilch Forwarding brings together international supply chain expertise coupled with deep capabilities to track and manage emissions at a shipment level. Zilch Forwarding integrates its advanced carbon emission measurement with active management and carbon offsetting into a tailored freight forwarding service.

One of the key focusses of Zilch is to firstly accurately calculate the emissions of shipments, to then provide guidance on emissions reductions strategies.

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 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

Accommodation and facilities

Cleaning and chemicals

Climate Active carbon neutral products and services

Electricity

Food

ICT services and equipment

Machinery and vehicles

Office equipment and supplies

Postage, courier and freight

Products

Professional services

Stationary energy

Transport (air)

Transport (land and sea)

Waste

Working from home

Non-quantified

N/A

Optionally included

N/A

Outside emission boundary

Excluded

Embodied carbon of the transport vessels utilised by Zilch Forwarding

Refrigerants

4.EMISSIONS REDUCTIONS

Emissions reduction strategy

Established in 2021, Zilch has responded to the growing need for eco-efficient transport solutions in international supply chains.

Our operations remain compact, housed within shared office space in South Yarra, Victoria, and powered through a Climate Active certified electricity provider. This continues to minimise our direct footprint.

In CY2024, despite difficult freight market conditions, Zilch successfully reduced its organisational emissions. This was achieved through reduced expenditure, efficient use of office space, and continued procurement of carbon-neutral electricity. These measures reflect our commitment to decoupling growth from emissions.

Looking forward to CY2025, our objective is to increase trade volumes and client activity without increasing organisational resources or overhead emissions. By maximising the efficiency of our existing footprint and embedding sustainable procurement practices, we aim to grow output while holding organisational emissions flat.

We continue to refine an intensity-based metric to measure emissions relative to business throughput, ensuring growth is sustainable and aligned with Climate Active's expectations.

Emissions reduction actions

For the 2024 reporting period, reductions at the organisational level were shaped primarily by overall market conditions and reduced expenditure.

Zilch is also progressively implementing procurement policies that favour Climate Active-certified partners and other sustainable providers. These measures, while incremental, align with our commitment to decoupling growth from emissions and keeping our direct organisational footprint as lean as possible.

- Reduction in overall organisational emissions in CY2024, despite headwinds in the broader freight market.
- Exclusive procurement of carbon-neutral electricity for offices.
- Continued commitment to sustainable procurement, prioritising Climate Active-certified suppliers.
- Strategic objective for CY2025: grow trade volumes without additional resources, maintaining organisational emissions at current levels.

For details of service-related emissions strategies, please refer to the PDS for Service certification.

5.EMISSIONS SUMMARY

Emissions over time

		Emissions since base year	
		Total tCO_2-e (without uplift)	Total tCO_2-e (with uplift)
Base year:	CY2021	36.64	36.64
Year 1:	CY2022	13.60	13.60
Year 2:	CY2023	48.14	48.14
Year 3:	CY2024	41.65	41.65

Significant changes in emissions

Significant changes in emissions			
Emission source	**Previous year emissions** (t CO_2-e)	**Current year emissions** (t CO_2-e)	**Reason for change**
N/A			

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

Certified brand name	Product/Service/Building/Precinct used
EnergyLink Services	Service
Powershop	Electricity product

Emissions summary

The electricity summary is available in Appendix B. Electricity emissions were calculated using a market-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	0.71	0.71
Cleaning and Chemicals	0.00	0.00	0.22	0.22
Climate Active carbon neutral products and services	0.00	0.00	0.00	0.00
Construction Materials and Services	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00
Food	0.00	0.00	1.10	1.10
Horticulture and Agriculture	0.00	0.00	0.00	0.00
ICT services and equipment	0.00	0.00	1.81	1.81
Machinery and vehicles	0.00	0.00	0.05	0.05
Office equipment & supplies	0.00	0.00	0.23	0.23
Postage, courier and freight	0.00	0.00	0.23	0.23
Products	0.00	0.00	0.04	0.04
Professional Services	0.00	0.00	5.93	5.93
Refrigerants	0.00	0.00	0.00	0.00
Roads and landscape	0.00	0.00	0.00	0.00
Stationary Energy (gaseous fuels)	0.00	0.00	0.00	0.00
Stationary Energy (liquid fuels)	0.00	0.00	0.00	0.00
Stationary Energy (solid fuels)	0.00	0.00	0.00	0.00
Transport (Air)	0.00	0.00	24.34	24.34
Transport (Land and Sea)	0.00	0.00	4.92	4.92
Waste	0.00	0.00	0.73	0.73
Water	0.00	0.00	0.00	0.00
Working from home	0.00	0.00	1.36	1.36
Total emissions (tCO_2-e)	**0.00**	**0.00**	**41.65**	**41.65**

Uplift factors

N/A

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)	42	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
Wind bundle project in Maharashtra by Sispara	VCU	Verra Registry	7/06/2021	8457-21858502-21859042-VCS-VCU-997-VER-IN-1-1660-01012019-31102019-0	2019	541	20	479*	42	100%
					Offset Totals:	541	20	479	42	100%

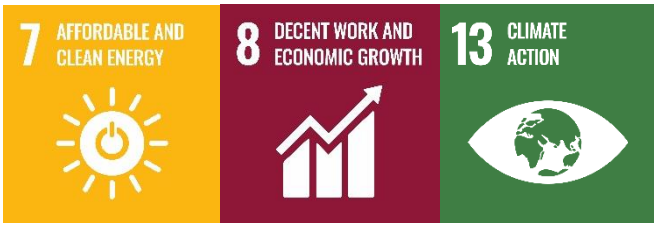
*Please note, these banked 479 offsets have been used in Zilch's Forwarding's CY24 service certification.

Co-benefits

Wayang Windu Phase 2 Geothermal Power Project

The Wayang Windu Phase 2 is a 117MW geothermal power generation project, located at the Wayang Windu 40km south Bandung in West Java, Indonesia which displaces fossil fuel-based electricity with clean, renewable geothermal energy.

This project provides a range of benefits, including environmental sustainability through natural resource conservation and community health, economic sustainability for the local population, social sustainability via community participation, and technological sustainability through enhanced local capacity and utilization.



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.

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 **market-based method.**

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	5,754	5,236	0%
Total renewable electricity (grid + non grid)	**0**	**0**	**0%**
Total grid electricity	**5,754**	**5,236**	**0%**
Total electricity (grid + non grid)	**5,754**	**5,236**	**0%**
Percentage of residual electricity consumption under operational control	100%		
Residual electricity consumption under operational control	**5,754**	**5,236**	
Scope 2	5,122	4,661	
Scope 3 (includes T&D emissions from consumption under operational control)	632	575	
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 CO_2-e)	**4.66**
Residual scope 3 emissions (t CO_2-e)	**0.58**
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**0.00**
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**0.00**
Total emissions liability (t CO_2-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	5,754	5,754	4,546	403	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)	**5,754**	**5,754**	**4,546**	**403**	**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)	**5,754**					

Residual scope 2 emissions (t CO_2-e)	**4.55**
Residual scope 3 emissions (t CO_2-e)	**0.40**
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**0.00**
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**0.00**
Total emissions liability	**0.00**

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)
Powershop	**5754**	**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
N/A	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.

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

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
Embodied carbon of the transport vessels utilised by Zilch Forwarding	Y	N	N	N	N	**Size:** The emission sources are likely to be large compared to stationary energy and fuel emissions. **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. **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. **Stakeholders:** Key stakeholders, including the public, are unlikely to consider this a relevant source of emissions for our business. **Outsourcing:** We have not previously undertaken this activity within our emissions boundary and comparable organisations do not typically undertake this activity within their boundary.
Refrigerants	N	N	N	N	N	**Size:** The emission sources are likely to be immaterial compared to stationary energy and fuel emissions. **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. **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. **Stakeholders:** Key stakeholders, including the public, are unlikely to consider this a relevant source of emissions for our business. **Outsourcing:** We have not previously undertaken this activity within our emissions boundary and comparable organisations do not typically undertake this activity within their boundary.

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