



PUBLIC DISCLOSURE STATEMENT

ZILCH FORWARDING PTY LTD

**ORGANISATION CERTIFICATION
CY2023**

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 2023 – 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 9/12/2024</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	49 tCO ₂ -e
CARBON OFFSETS USED	100% CERs
RENEWABLE ELECTRICITY	0%
CARBON ACCOUNT	Prepared by: EnergyLink Services Pty Ltd
TECHNICAL ASSESSMENT	Date 08/06/2021 Organisation: EnergyLink Services Next technical assessment due: CY 2024

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2. CERTIFICATION INFORMATION

Description of organisation 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.

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
Office equipment and supplies
Professional Services
Stationary Energy and fuels
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 surging need for eco-efficient transport solutions in international supply chains.

Our operations are currently efficiently housed within 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 to generate business expansion that is inherently sustainable, effectively breaking the traditional link between growth and increased emissions.

In the reporting year, CY23, 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.

Zilch Forwarding has limited opportunities to reduce its organisation emissions as it rents office spaces and has limited fuel consumption. In addition, Zilch Forwarding has exclusively used carbon neutral electricity for its office spaces. However, Zilch Forwarding remains committed to reducing emissions associated with its freight forwarding services. For more details, please refer to the PDS for Service certification.

Emissions reduction actions

Emissions reductions action for 2023 reporting period are driven by reduced expenditure across the organisation. The increase in emissions compared to 2022 reporting period was attributable to increased number of flights, particularly international flights, plus an increase in head count. Zilch Forwarding has exclusively procured carbon neutral electricity for its offices. Additionally, Zilch Forwarding has been establishing green procurement policies, such as prioritising Climate Active businesses/organisations when acquiring products and services.

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:	CY2021	36.64	36.64
Year 2:	CY2022	13.60	13.60
Year 3:	CY2023	48.14	48.14

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
Long business class flights (>3,700km)	0	21.773	Increased flights due to attending global transport decarbonisation workshops in Europe.

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

Certified brand name	Product/Service/Building/Precinct used
EnergyLink Services	Climate Active 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 (t CO2-e)	Sum of Scope 2 (t CO2-e)	Sum of Scope 3 (t CO2-e)	Sum of Total Emissions (t CO2-e)
Accommodation and facilities	-	-	0.76	0.76
Cleaning and chemicals	-	-	0.16	0.16
Climate Active carbon neutral products and services	-	-	-	-
Electricity	-	-	-	-
Food	-	-	1.26	1.26
ICT services and equipment	-	-	0.82	0.82
Machinery and vehicles	-	-	-	-
Office equipment and supplies	-	-	0.77	0.77
Professional Services	-	-	8.46	8.46
Stationary Energy and fuels	-	-	-	-
Transport (air)	-	-	24.98	24.98
Transport (land and sea)	-	-	8.51	8.51
Waste	-	-	0.73	0.73
Working from home	-	-	1.69	1.69
Total	-	-	48.13	48.14

Uplift factors

N/A

6. CARBON OFFSETS

Eligible offsets retirement summary

Offsets retired for Climate Active certification

Type of offset units	Eligible quantity (used for this reporting period)	Percentage of total
Certified Emissions Reductions (CERs)	802	100%

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 (%)
Wayang Windu Phase 2 Geothermal Power Project	CER	ANREU	30 July 2024	34,191,699 – 34,192,500	CP2	0	802	0	0	802	100%
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	20	521	0	0%
Total eligible offsets retired and used for this report										802	
Total eligible offsets retired this report and banked for use in future reports									521		

*Please note, this retirement summary covers Zilch Forwarding's Service and Organisation Climate Active Carbon Neutral credit retirement. Specifically, 49 offsets were retired for the Organisation certification and 753 offsets were retired for the Service Certification.

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Australian Government
Clean Energy Regulator



31 July 2024

VC202425-00517

To whom it may concern,

Voluntary cancellation of units in ANREU

This letter is confirmation of the voluntary cancellation of units in the Australian National Registry of Emissions Units (ANREU) by ANREU account holder, ENERGYLINK SERVICES PTY LTD (account number AU-3226).

The details of the cancellation are as follows:

Date of transaction	30 July 2024
Transaction ID	AU35046
Type of units	CER
Total Number of units	802
Serial number range	34,191,699 - 34,192,500
Kyoto Project ID	ID-3193
Transaction comment	Cancelled on behalf of Zilch Forwarding Pty Ltd to meet 2023CY Climate Active requirements (Organisation + Service).

Details of all voluntary cancellations in the ANREU are published on the Clean Energy Regulator's website, [Voluntary cancellations register](#) | [Clean Energy Regulator \(cer.gov.au\)](#).

If you require additional information about the above transaction, please email CER-RegistryContact@cer.gov.au

Yours sincerely,

David O'Toole
ANREU and International
NGER and Safeguard Branch
Scheme Operations Division



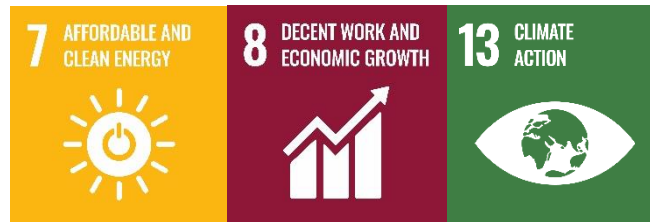
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Co-benefits

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..



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 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 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	3,322	3,023	0%
Total renewable electricity (grid + non grid)	0	0	0%
Total grid electricity	3,322	3,023	0%
Total electricity (grid + non grid)	3,322	3,023	0%
Percentage of residual electricity consumption under operational control	100%		
Residual electricity consumption under operational control	3,322	3,023	
Scope 2	2,957	2,691	
Scope 3 (includes T&D emissions from consumption under operational control)	365	332	
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)	2.69
Residual scope 3 emissions (t CO₂-e)	0.33
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	3,322	3,322	2,624	233	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)	3,322	3,322	2,624	233	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)	3,322					

Residual scope 2 emissions (t CO ₂ -e)	2.62
Residual scope 3 emissions (t CO ₂ -e)	0.23
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
<p><i>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.</i></p>		

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	3,322	0
<p><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></p>		

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 large 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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