



PUBLIC DISCLOSURE STATEMENT

ZILCH FORWARDING


**ORGANISATION CERTIFICATION
CY2021 (TRUE-UP)**

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 2021 – 31 December 2021 True-up
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 Director</p> <p style="font-size: 1.2em; margin-left: 100px;">12/7/2023.</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	37 tCO ₂ -e
OFFSETS BOUGHT	100% VCUs
RENEWABLE ELECTRICITY	19%
TECHNICAL ASSESSMENT	8 June 2021 Michael Hallam EnergyLink Services Next technical assessment due: June 2024
THIRD PARTY VALIDATION	Type 1 01/04/2023 Mark Lawry Suntax Pty Ltd

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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 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.

“Respecting the planet and finding cleaner ways to move products around the world is central to our mission. Climate Active allows us to transparently and robustly demonstrate our commitment to our mission.”

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
<p><u>Quantified</u></p> <ul style="list-style-type: none"> Accommodation Air Transport (km) Cleaning & Chemicals Electricity Food & Catering ICT Services & Equipment Machinery and Vehicles Office Equipment & Supplies Printing and Stationary Professional Services Land and Sea Transport (km) Staff Commuting Waste Working from Home 	<p><u>Non-quantified</u></p>	<p><u>Excluded</u></p> <ul style="list-style-type: none"> Refrigerants

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

As the majority of Zilch Forwarding's organisational emissions are due to flights and staff commuting, Zilch Forwarding will prioritise the use of video conferencing software to reduce travel requirements and encourage staff to work from home, avoiding emissions associated with commuting. Further, Zilch already purchases certified carbon neutral electricity for its tenanted space, and will continue to do so into the future. Given the majority of emissions (excluding base building electricity) are driven by land and sea transport and air travel, by leveraging technologies such as electric vehicles and video-conferencing software, it is anticipated emissions reductions of 30% will be achieved by 2025 from a 2021 baseline year.

Emissions reduction actions

Zilch Forwarding already purchases carbon-neutral electricity from Powershop to minimise emissions from operations.

5. EMISSIONS SUMMARY

Use of Climate Active carbon neutral products and services

Certified brand name	Product or Service used
Powershop Australia	Carbon Neutral Electricity

Organisation emissions summary

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

The previous report was a projection report using representative data to estimate the emissions for the reporting year. This table shows the differences between the projected emissions and the actual emissions recorded.

Emission category	Projected emissions (tCO ₂ -e)	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 (tCO ₂ -e)
Accommodation and facilities	0.58	0	0	0.33	0.33
Air transport (fuel)	0	0	0	0	0
Air transport (km)	6.50	0	0	0.24	0.24
Carbon neutral products/services	0	0	0	0	0
Cleaning and chemicals	0.36	0	0	0.16	0.16
Construction materials/services	0	0	0	0	0
Electricity	9.54	0	3.26	0.00	3.26
Food	0.10	0	0	0.97	0.97
Horticulture and agriculture	0	0	0	0	0
ICT services and equipment	0.70	0	0	1.75	1.75
Land and sea transport (fuel)	0	0	0	0	0
Land and sea transport (km)	12.31	0	0	0.45	0.45
Machinery and vehicles	0	0	0	0.02	0.02
Office equipment & supplies	0	0	0	1.60	1.60
Postage, courier and freight	0.87	0	0	0	0
Products	0	0	0	0	0
Professional services	0	0	0	27.32	27.32
Refrigerants	0	0	0	0	0
Roads and landscape	0	0	0	0	0
Stationary energy	0	0	0	0	0
Waste	1.09	0	0	0.46	0.46
Water	0	0	0	0	0
Working from home	0.43	0	0	0.08	0.08
Total net emissions	32.48 tCO₂-e	0	3.26	33.38	36.64 tCO₂-e
Difference between projected and actual					4.16 tCO₂-e

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
NA	-
Total of all uplift factors	-
Total footprint to offset <i>(total net emissions from summary table + total uplifts)</i>	36.64



6. CARBON OFFSETS

Offsets retirement approach

Forward purchasing for initial certification then in arrears

1. Total emissions footprint to offset for this report	37
2. Total eligible offsets purchased and retired for this report and future reports	781
3. Total eligible offsets retired and used for this report	74*
4. Total eligible offsets forward purchased and banked to use toward next year's report	707

*It is noted that all offsets required (a total of 74 offsets for the combined organisation and service) associated with Zilch's carbon neutral service certification are also detailed in this Public Disclosure Statement (Organisation PDS).

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 outcomes.

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 bundle project in Maharashtra by Sispara	VCU	Verra	7 June 2021	8457-21858502-	2019	0	541	0	541	0	0%
				21859042-VCS-VCU-							
				997-VER-IN-1-1660-							
				01012019-31102019-0							
Katingan Peatland Restoration and Conservation Project	VCU	Verra	7 June 2021	6359-304832443-	2017	147	0	0	147	0	0%
				304832589-VCU-016-							
				APX-ID-14-1477-							
				01012017-31122017-1							
Katingan Peatland Restoration and Conservation Project	VCU	Verra	7 June 2021	6359-304832143-	2017	93	0	0	19	74	100%
				304832235-VCU-016-							
				APX-ID-14-1477-							
				01012017-31122017-1							
Total offsets retired this report and used in this report					74		707		74		Percentage of total
Total offsets retired this report and banked for future reports					74		707		74		100%
Type of offset units											
Quantity (used for this reporting period claim)					74		707		74		100%
Verified Carbon Units (VCUs)											

137 units have been used in Zilch Forwarding's CY2021 Service certification.

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 (tCO ₂ -e)	Purpose of cancellation
Watchbox Conservation Project	ABU	Vegetation	8 June 2021	5795-6034 Link not publicly available	N/A	N/A	It is noted that these are not carbon offset units, these 240 Australian Biodiversity Units (ABUs) are additional offsets that have been purchased to further demonstrate Zilch's commitment to achieving positive environmental outcomes.

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 (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)	745	0	19%
Residual Electricity	3,274	3,255	0%
Total grid electricity	4,019	3,255	19%
Total Electricity Consumed (grid + non grid)	4,019	3,255	19%
Electricity renewables	745	0	
Residual Electricity	3,274	3,255	
Exported on-site generated electricity	0	0	
Emissions (kgCO ₂ e)		3,255	

Total renewables (grid and non-grid)	18.54%
Mandatory	18.54%
Voluntary	0.00%
Behind the meter	0.00%
Residual Electricity Emission Footprint (TCO₂e)	3

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	0	0	0
Vic	4,019	3,657	402
Qld	0	0	0
NT	0	0	0
WA	0	0	0
Tas	0	0	0
Grid electricity (scope 2 and 3)	4,019	3,657	402
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	4,019	3,657	402

Emission Footprint (TCO2e)	4
<i>Scope 2 Emissions (TCO2e)</i>	4
<i>Scope 3 Emissions (TCO2e)</i>	0

Climate Active Carbon Neutral Electricity summary

Carbon Neutral electricity offset by Climate Active Product	Activity Data (kWh)	Emissions (kgCO2e)
<i>Powershop Australia - Electricity</i>	2,535	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

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?
Refrigerants	No	No	No	No	No	No

Zilch Forwarding does not use refrigerants as tenanted spaces are shared and are not owned nor operated by Zilch Forwarding.



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