



PUBLIC DISCLOSURE STATEMENT

TRANSDEV SYDNEY FERRIES

**ORGANISATION CERTIFICATION
FY2020 – 2021**

Australian Government
Climate Active
Public Disclosure Statement



An Australian Government Initiative



NAME OF CERTIFIED ENTITY:

REPORTING PERIOD: 1 July 2020 – 30 June 2021

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.



Australian Government
**Department of Industry, Science,
Energy and Resources**

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Version number February 2021

1. CARBON NEUTRAL INFORMATION

Description of certification

This inventory has been prepared for the financial year from 1 July 2020 to 30 June 2021

The certification covers all the Australian operations of Transdev Sydney Ferries as an organisation, including the operation of our fleet of vessels, an administration centre in the CBD, the shipyard located at Balmain and the utilities at those wharfs where we have a permanent presence (Circular Quay, Manly & Barangaroo). This certification is limited to only the operations in the Sydney Australia region and does not include affiliate or parent companies to Transdev Sydney Ferries.

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.

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

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

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 (CO₂), methane (CH₄), nitrous oxide (N₂O) and synthetic gases - hydrofluorocarbons (HFCs), perfluorocarbons (PFCs) sulphur hexafluoride (SF₆) and nitrogen trifluoride (NF₃). These have been expressed as carbon dioxide equivalents (CO₂-e) using relative global warming potentials (GWPs).

“As a major operator in public transport, our focus is minimising our environmental impacts across all areas of our operation and to identify innovative ways to do it”

Organisation description

Transdev Sydney Ferries (TDSF) is a Transdev Australasia Company. TDSF operates approximately 175,000 services, transporting more than 15 million people across Sydney Harbour and the Parramatta River each year. The extensive network connects 39 destinations and spans approximately 37 kilometres from Parramatta in Sydney's west, Manly in the north and Watsons Bay in the east. TDSF's mission is to create a world class ferry service in Sydney by taking the customer service experience to the next level. TDSF maintains a strong focus on its health, safety and environmental responsibilities whilst aiding Transport NSW in providing an integrated transport network.

2. EMISSION BOUNDARY

Diagram of the certification boundary



Non-quantified sources

N/A

Data management plan

N/A

Excluded sources (outside of certification boundary)

Food & Catering Contractors on Vessels (scope 3): Carbon emissions related to the provision of meals, drinks and snacks on board TDSF by contracted third parties is outside of the operational control boundary as there is no jurisdiction to enforce policies and procedures related to health, safety and the environment.

“We are committed to a sustainable future by identifying and acting on our climate risks.”

3. EMISSIONS SUMMARY

Emissions reduction strategy

TDSF recognises that its operations have the potential to have multiple environmental impacts, including energy usage and storage, waste generation as well as risks to the operating environment. In reviewing its operations, TDSF has identified its GHG emissions across Scope 1, Scope 2 and Scope 3, as well as the waste we generate.

TDSF has identified that the greatest opportunity for environmental performance improvement is through the reduction in Scope 1 (fuel use in our vessels), thus reducing the amount of CO₂ (and other pollutants) produced.

This reduction will be delivered through a number of options including:

- Continued monitoring of Eco Driving programme to reduce consumption.
- Optimise the frequency of hull cleans to minimise drag and hence consumption.
- Invest in new vessels with cleaner & more efficient engines.
- Optimise vessel usage against demand.
- Introduction of 10 river class vessels and 3 Emerald second generation vessels.
- Removal of 2 freshwater vessels.
- Refurbishment of 2 freshwater vessels and 3 river class vessels.

For other areas of the business, we will:

- Research ways to reduce our Scope 2 related emissions from our use of electricity.
- Manage all our waste streams to maximise recycling and minimise the percentage sent to landfill, thus reducing our Scope 3 emissions.

A strategy will be developed and implemented over the next two years.

Emissions over time

TDSF emissions have increased in 2020-21 due to an increase in the number of ferries operating (from 37 to 47 vessels), increased maintenance activities, refurbishment of 10% of total number of vessels, and improved reporting on the lubricant oils used for maintenance.

Table 1

Emissions since base year

	Base year: 2017-18	Year 1: 2018-19	Year 2: 2019-20	Current year Year 3: 2020-21
<i>Total tCO₂-e</i>	39,273.6	39,468.7	38,547.3	42,722.9

Emissions reduction actions

TDSF is currently implementing following initiatives to reduce our carbon footprint:

- Installing fuel monitoring equipment on all our vessels.
- Introducing a programme of Eco Driving to reduce consumption.
- Refurbishment of 4 river class vessels.
- Monitoring of emissions source categories to identify areas of improvement.

Emissions summary (inventory)

Table 2

Emission source category	tonnes CO ₂ -e
Accommodation and facilities	3.4
Air Transport (km)	10.7
Cleaning and Chemicals	653.0
Electricity	1,211.0
Embodied Ferry Emissions	2,350.0
Food	150.9
ICT services and equipment	1,452.0
Land and Sea Transport (fuel)	31,948.6
Land and Sea Transport (km)	619.2
Office equipment & supplies	36.8
Postage, courier and freight	125.5
Products	162.0
Professional Services	95.8
Refrigerants	11.1
Replacement Buses	557.7
Stationary Energy	2,879.3
Taxis	166.9
Waste	247.4
Water	29.5
Working from home	11.9
Total Net Emissions	42,722.9

Uplift factors

Table 3

Reason for uplift factor	tonnes CO ₂ -e
N/A	
<i>Total footprint to offset (uplift factors + net emissions)</i>	

Carbon neutral products

N/A

Electricity summary

Electricity was calculated using a location-based approach.

Market-based approach summary

Table 4

Market-based approach	Activity Data (kWh)	Emissions (kgCO ₂ -e)	Renewable %
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%
Jurisdictional renewables	0	-	0%
Residual Electricity	1,090,865	1,170,586	0%
Large Scale Renewable Energy Target (applied to grid electricity only)	254,636	0	19%
Total grid electricity	1,345,501	1,170,586	19%
Total Electricity Consumed (grid + non grid)	1,345,501	1,170,586	19%
Electricity renewables	254,636	0	
Residual Electricity	1,090,865	1,170,586	
Exported on-site generated electricity	0	0	
Emission Footprint (kgCO ₂ -e)		1,170,586	

Emission Footprint (tCO₂-e)	18.93%
LRET renewables	18.93%
Voluntary Renewable Electricity	0.00%
Total renewables	0.00%

**Location-based approach summary
Table 5**

Location-based approach	Activity Data (kWh)	Emissions (kgCO ₂ -e)
ACT	0	0
NSW	1,345,501	1,210,951
SA	0	0
Vic	0	0
Qld	0	0
NT	0	0
WA	0	0
Tas	0	0
Grid electricity (scope 2 and 3)	1,345,501	1,210,951
ACT	0	0
NSW	0	0
SA	0	0
Vic	0	0
Qld	0	0
NT	0	0
WA	0	0
Tas	0	0
Non-grid electricity (Behind the meter)	0	0
Total Electricity Consumed	1,345,501	1,210,951
Emission Footprint (tCO₂-e)	1,211	

4. CARBON OFFSETS

Offsets strategy

Table 6

Offset purchasing strategy:	
In Arrears	
1. Total offsets previously forward purchased and banked for this report	121,477
2. Total emissions liability to offset for this report	42,723
3. Net offset balance for this reporting period	78,754
4. Total offsets to be forward purchased to offset the next reporting period	0
5. Total offsets required for this report	42,723

Co-benefits

Hydropower Project by JHPL

The Baspa project is a run-of-the-river hydro-electric power plant with an installed capacity of 300 MW. The purpose of the project activity is to generate electricity using renewable hydro energy and sell it to Himachal Pradesh State Electricity Board (HPSEB). The project activity contributes to the sustainable development of the region in a number of ways. The project has provided employment for skilled and unskilled manpower during the construction phase as well as during the operational stage and thus helped in controlling migration from the region and alleviation of poverty. The contribution of power supply to the NEWNE grid is helping in the upliftment of the social life of the people by ensuring a sustainable and reliable source of power. Also, the project has brought in considerable investment to the region and improved infrastructural facilities such as water availability, roads and medical facilities.

Wind Energy Farm at Mokla Rajasthan, India by HZL

The project activity primarily aims at reducing GHG emissions through utilisation of renewable energy technology for generation of electrical energy. The electricity generated from the project activity (approximately 47,040 MWh annually) will displace equivalent electricity generation in grid connected power plants and therefore will reduce the anthropogenic GHG emissions by approximately 44,627 tCO₂ annually.

The project activity should lead to alleviation of poverty by generating additional employment, removal of social disparities and contribute to the provision of basic amenities which will allow for an improvement in the quality of life of the local communities.

Wind Energy Farm at Palladam, India by HZL

The project will reduce the anthropogenic GHG emissions (approximately 42 131 tCO₂ annually) associated with the equivalent amount of electricity generation from the fossil fuel-based grid connected power plants. The project also improves the quality of life of the local communities by providing employment, developing infrastructure in the region such as roads, communication facilities etc, and brings in additional businesses.

Offsets summary

Proof of cancellation of offset units

Table 7

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	Eligible Quantity (tCO ₂ -e)	Quantity used for previous reporting periods	Quantity banked for future reporting periods	Quantity used for this reporting period claim	Percentage of total (%)
Ghani Solar Renewable Power Project by Greenko Group	VCUs	VERRA	16 Jun 2019	6682-331924507-331928047-VCU-034-APX-IN-1-1792-31032017-31122017-0	2017	3,541	3,321	220	0	
Hydropower Project by JHPL	VCUs	APX	31 Mar 2020	7919-440882605-440992604-VCU-001-MER-IN-1-92-01012013-30062013-0	2013	110,000	38,743	28,534	42,723	100%
Wind Energy Farm at Mokla Rajasthan, India by HZL	VCUs	APX	31 Mar 2020	7309-384441865-384462864-VCU-034-APX-IN-1-1135-01012013-31122013-0	2013	21,000	0	21,000	0	
Wind Energy Farm at Palladam, India by HZL	VCUs	APX	31 Mar 2020	7325-385092749-385121748-VCU-034-APX-IN-1-1137-01012013-31122013-0	2013	29,000	0	29,000	0	
Total offsets retired this report and used in this report										42,723
Total offsets retired this report and banked for future reports										78,754

Type of offset units	Quantity (used for this reporting period claim)	Percentage of Total
Verified Carbon Units (VCUs)	42,723	100%

These offsets also cover the Service (Child) PDS, see: <https://www.climateactive.org.au/buy-climate-active/certified-members/transdev-sydney-ferri>

5. USE OF TRADE MARK

Table 8

Description where trademark used	Logo type
Website	Certified organisation
Social Media	Certified organisation
Internal and external documents pertaining to Transdev Sydney Ferries	Certified organisation
Transdev Sydney Ferries and correlating wharf areas	Certified organisation

6. ADDITIONAL INFORMATION

N/A

APPENDIX 1

Excluded emissions

To be deemed relevant an emission must meet two of the five relevance criteria. Excluded emissions are detailed below against each of the five criteria.

Table 9

Relevance test					
Excluded emission sources	<i>The emissions from a particular source are likely to be large relative to the organisation's electricity, stationary energy and fuel emissions</i>	<i>The emissions from a particular source contribute to the organisation's greenhouse gas risk exposure.</i>	<i>Key stakeholders deem the emissions from a particular source are relevant.</i>	<i>The responsible entity has the potential to influence the reduction of emissions from a particular source.</i>	<i>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.</i>
Food & Catering	No	No	Yes	No	No
Contractors on Vessels					

APPENDIX 2

Non-quantified emissions for organisations

Table 10

Non-quantification test				
Relevant-non-quantified emission sources	<i>Immaterial <1% for individual items and no more than 5% collectively</i>	<i>Quantification is not cost effective relative to the size of the emission but uplift applied.</i>	<i>Data unavailable but uplift applied. A data management plan must be put in place to provide data within 5 years.</i>	<i>Initial emissions non-quantified but repairs and replacements quantified</i>

N/A

Proof of offset retirement:

Retired Credits

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From Vintage	To Vintage	Serial Number	Quantity of Credits	Credit Type	Project ID	Project Name	Project Type	Additional Issuance Certifications	Origination Program	Project Site State/Province	Project Country	Account Holder	Retirement Reason	Beneficial Owner	Retirement Reason Details	Date of Retirement
01/01/2013	30/06/2013	7919-440882605-440992604-VCU-001-MER-IN-1-92-01012013-30062013-0	110,000	VCU	92	300MW Hydropower project by JHPL	Energy industries (renewable/non-renewable sources)			Himachal Pradesh	India (IN)	Pangolin Associates Pty Ltd	Retirement for Person or Organization	Pangolin	Retired on behalf of Transdev Sydney Ferries Pty Ltd for Offsetting Climate Active Emissions 2019 - 2023	31/03/2020
01/01/2013	31/12/2013	7309-384441865-384462864-VCU-034-APX-IN-1-1135-01012013-31122013-0	21,000	VCU	1135	27.3 MW Wind energy farm at Moida Rajasthan by HZL	Energy industries (renewable/non-renewable sources)			Rajasthan	India (IN)	Pangolin Associates Pty Ltd	NCOS Programme	Pangolin	Retired on behalf of Transdev Sydney Ferries Pty Ltd for Offsetting Climate Active Emissions 2019 - 2023	31/03/2020
01/01/2013	31/12/2013	7325-385092749-385121748-VCU-034-APX-IN-1-1137-01012013-31122013-0	29,000	VCU	1137	21 MW Wind energy farm at Palladam, Tamilnadu by HZL	Energy industries (renewable/non-renewable sources)			Tamil Nadu	India (IN)	Pangolin Associates Pty Ltd	NCOS Programme	Pangolin	Retired on behalf of Transdev Sydney Ferries Pty Ltd for Offsetting Climate Active Emissions 2019 - 2023	31/03/2020
31/03/2017	31/12/2017	6682-331924507-331925047-VCU-034-APX-IN-1-1792-31032017-31122017-0	3,541	VCU	1792	Ghani Solar Renewable Power Project by Greenko Group	Energy industries (renewable/non-renewable sources)			Andhra Pradesh	India (IN)	Pangolin Associates Pty Ltd	NCOS Programme	Pangolin	Retired on behalf of Transdev Sydney Ferries Pty Ltd for Offsetting FY2018/19 NCOS Emissions	13/06/2019
31/03/2017	31/12/2017	6770-341910430-341946162-VCU-034-APX-IN-1-1792-31032017-31122017-0	35,733	VCU	1792	Ghani Solar Renewable Power Project by Greenko Group	Energy industries (renewable/non-renewable sources)			Andhra Pradesh	India (IN)	Pangolin Associates Pty Ltd	NCOS Programme	Pangolin	Retired on behalf of Transdev Sydney Ferries Pty Ltd for Offsetting FY2018/19 NCOS Emissions	13/06/2019



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