PUBLIC DISCLOSURE STATEMENT

TRANSDEV SYDNEY FERRIES PTY LTD

ORGANISATION CERTIFICATION
2019-20

Australian Government

Climate Active
Public Disclosure Statement

An Australian Government Initiative

NAME OF CERTIFIED ENTITY: Transdev Sydney Ferries Pty Ltd

REPORTING PERIOD: 1 July 2019 – 30 June 2020

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.

Date 19 April 2021

Name of Signatory
NATHAN LANTHOIS

Position of Signatory
CHIEF LEGAL AND COMMERCIAL OFFICER

Australian Government
Department of Industry, Science, Energy and Resources

1. CARBON NEUTRAL INFORMATION

Description of certification

This inventory has been prepared for the financial year from 1 July 2019 to 30 June 2020.

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.

"As a major operator in public transport, we are naturally engaged in the fight against global warming. This is our first fight"

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 (CO_2), methane (CH_4), nitrous oxide (N_2O) and synthetic gases - hydrofluorocarbons (HFCs), perfluorocarbons (PFCs) sulphur hexafluoride (SF_6) and nitrogen trifluoride (NF_3). These have been expressed as carbon dioxide equivalents (CO_2-e) using relative global warming potentials (GWPs).

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

Quantified

Electricity

Base Building Electricity

Natural Gas

Telecommunications

Water & Sewage

IT Equipment

100% Recycled Office Paper

Staff Clothing

Embodied Ferry Emissions

Employee Commute

Working From Home

Business Flights

Transport Fuels

Stationary Fuels

Cleaning Services

Food & Catering

Postage & Couriers

Printing & Stationery

Hotel Accommodation (Domestic & International)

Advertising

Taxis

Replacement Bus Service

Refrigerants

Waste (Landfill & Recycling)

Non-quantified

N/A

Excluded

Food & Catering Contractors on Vessels

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 convinced that we must continue to go farther: we are constantly innovating to limit the impact of transport on the environment through the use of alternative energies to "fossil fuels" and reduce our carbon footprint."

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 CO_2 (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.

For other areas of the business we will:

- Research ways to reduce our Scope 2 related emissions from our use of electricity (including moving head office to a smaller, more energy efficient location).
- Manage all of 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 reduce due to changes on operational procedures to ensure efficiency of fuel consumption, waste management and procurement process.

Table 1

Emissions since base year			
	Base year: 2017-18	Year 1: 2018-19	Current year Year 2: 2019-20
Total tCO_2-e	39,273.6	39,468.7	38,547.3

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.
- Introduction of 10 river class vessels and 3 Emerald second generation vessels.
- Removal of 2 freshwater vessels.
- Refurbishment of 7 river class vessels.

Emissions summary (inventory)

All emissions are shared with the service (child) certification.

Table 2

Emission source category	tonnes CO_2-e
Accommodation and facilities	14.534
Air Transport (km)	55.629
Buses	1,075.777
Cleaning and Chemicals	382.003
Electricity	1,783.941
Embodied Ferry Emissions	1,850.000
Employee Commute	325.490
Food	43.972
ICT services and equipment	235.877
Land and Sea Transport (fuel)	32,350.662
Natural Gas	7.771
Office equipment & supplies	36.124
Postage, courier and freight	23.593
Products	48.429
Professional Services	0.965
Refrigerants	11.706
Stationary Energy	43.257
Taxis	48.446
Waste	184.800
Water	19.753
Working From Home	4.573
Total Net Emissions	***38,547.301***

Uplift factors

Table 3

Reason for uplift factor	tonnes CO_2-e
N/A	
Total footprint to offset (uplift factors + net emissions)	***38,548***

Carbon neutral products

N/A

Electricity summary

Electricity was calculated using a Location-based approach.

The Climate Active team are consulting on the use of a market vs location-based approach for electricity accounting with a view to finalising a policy decision for the carbon neutral certification by July 2020. Given a decision is still pending on the accounting way forward, a summary of emissions using both measures has been provided for full disclosure and to ensure year on year comparisons can be made.

Market-based approach electricity summary

Table 4

Electricity inventory items	kWh	Emissions (tonnes CO_2-e)
Electricity Renewables	368,681	0.00
Electricity Carbon Neutral Power	0	0.00
Electricity Remaining	1,613,475	1,744.328
Renewable electricity percentage	19%	
Net emissions (Market based approach)		***1,744.328***

Location-based summary

Table 5

State/ Territory	Electricity Inventory items	kWh	Full Emission factor (Scope 2 +3)	Emissions (tonnes CO_2-e)
ACT/NSW	Electricity Renewables	-	-0.90	0.00
ACT/NSW	Electricity Carbon Neutral Power	-	-0.90	0.00
ACT/NSW	Netted off (exported on-site generation)	-	-0.81	0.00
ACT/NSW	Electricity Total	1,982,157	0.90	1,783.941
	Total net electricity emissions		*0.00*	**1,783.941**

4. CARBON OFFSETS

Offset purchasing strategy: in arrears

Offsets summary

Table 7

1. Total offsets required for this report	***38,548***
2. Offsets retired in previous reports and used in this report	38,548
3. Net offsets required for this report	0

Project description	**Eligible offset units type**	**Registry unit retired in**	**Date retired**	**Serial number (including hyperlink to registry transaction record)**	**Vintage**	**Quantity (tonnes CO_2-e)**	**Quantity used for previous report**	**Quantity to be banked for future years**	**Quantity to be used this report**
Hydropower Project by JHPL	VCUs	APX	31 Mar 2020	7919-440882605-440992604-VCU-001-MER-IN-1-92-01012013-30062013-0	2013	110,000	195	71,257	38,548
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			***38,548***		
				Total offsets retired this report and banked for future reports			***121,257***		

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 tCO_2 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 tCO_2 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.

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

APPENDIX 2

Non-quantified emissions for organisations

Please advise which of the reasons applies to each of your non-quantified emissions. You may add rows if required.

Table 10

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

Proof of retirements

Retired Credits

Printed Date: 11 of February 2021 05:48:53 GMT

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 Mokla 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	6682-331924507-331928047-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