

PUBLIC DISCLOSURE STATEMENT

TRANSDEV SYDNEY FERRIES PTY LTD

SERVICE CERTIFICATION 2019-20

Australian Government

Climate Active Public Disclosure Statement





Climate

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.

Signature

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

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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 ferry services provided by Transdev Sydney Ferries in Australia.

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

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

"Focused on the needs of our customers, we operate and develop all of the possibilities offered by the digital technologies to make public transportation easy and reducing the use of personal cars"

Where possible, the calculation methodologies and emission factors used in this inventory are derived from the National Greenhouse Cars" 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).

The functional unit is passenger kilometres, with emissions expressed in terms of tCO₂-e per passenger.km. The data was obtained through Transport NSW for opal card usage by route and distances estimated via google maps.

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.



Service process diagram

The following diagram is cradle to grave

Upstream emissions	 Upstream Distribution Electricity (transmissions & distribution losses) Water (supply & treatment) Stationary and transport fuels (well-to-tank emissions) 	
	•	
Transdev Sydney Ferries	 Business Operations: Electricity use Water Natural gas use Transport and stationary fuel use Embodied ferry emissions Business travel Employee commute Purchased goods & services: telecommunications, IT equipment, paper, stationery, printing, postage, couriers, advertising, taxis, buses, staff clothing, food & catering 	Non-attributable emission sources • Food & catering contractor on vessels
	↓	
Downstream emissions	Disposal Waste – landfill & recycling 	



2. EMISSION BOUNDARY

Diagram of the certification boundary

Electricity N/A Non-attributable Base Building Food & Catering Contractors on Vessels Electricity N/A Food & Catering Vatural Gas Image: State Contractors on Vessels Image: State Contractors on Vessels State Clothing Image: State Contractors on Vessels Image: State Contractors on Vessels State Clothing Image: State Contractors on Vessels Image: State Contractors on Vessels State Clothing Image: State Contractors on Vessels Image: State Contractors on Vessels State Clothing Image: State Contractors on Vessels Image: State Contractors on Vessels State Clothing Image: State Contractors on Vessels Image: State Contractors on Vessels State Clothing Image: State Contractors on Vessels Image: State Contractors on Vessels State Clothing Image: State Contractors on Vessels Image: State Contractors on Vessels State Clothing Image: State Contractors on Vessels Image: State Contractors on Vessels State Clothing Image: State Contractors on Vessels Image: State Contractors on Vessels State Clothing Services Image: State Contractors on Vessels Image: State Contractors on Vessels State Clothing Services <td< th=""><th>Quantified</th><th>Non-quantified</th><th></th></td<>	Quantified	Non-quantified	
Pool & Catering Control of the second Stationary Fuels Stationary Fuels St	Electricity	N/A	Non-attributable
Natural Gas	Base Building Electricity		Food & Catering Contractors on Vessels
Telecommunications Water & Sewage IT Equipment Carbon Neutral Paper Staff Clothing Embodied Ferry Emissions Employee Commute Working From Home Business Flights Transport Fuels Stationary Fuels Cleaning Services Food & Catering N/A Postage & Couriers Printing & Stationery Hotel Accommodation Domestic & International) Advertising Taxis Replacement Bus Service Refrigerants Waste (Landfill & Recycling)	Natural Gas		
Water & Sewage IT Equipment Carbon Neutral Paper Staff Clothing Embodied Ferry Emissions Employee Commute Working From Home Business Flights Transport Fuels Cleaning Services Food & Catering Printing & Stationery Hotel Accommodation Domestic & International) Advertising Taxis Replacement Bus Service Refrigerants Waste (Landfill & Revycling)	Telecommunications		
T Equipment Carbon Neutral Paper Staff Clothing Embodied Ferry Embodied Ferry Employee Commute Working From Home Business Flights Transport Fuels Stationary Fuels Cleaning Services Printing & Stationery Printing & Stationery Hotel Accommodation Domestic & International) Advertising Replacement Bus Service Refrigerants Waste (Landfill & Revycling)	Water & Sewage		
Carbon Neutral Paper Staff Clothing Embodied Ferry Emissions Employee Commute Working From Home Business Flights Transport Fuels Stationary Fuels Cleaning Services Food & Catering N/A Postage & Couriers Printing & Stationery Hotel Accommodation Domestic & international) Advertising Ravis Replacement Bus Service Refrigerants Naste (Landfill & Revycling)	IT Equipment		
Staff Clothing Image: Staff Clothing Embodied Ferry Image: Staff Clothing Employee Commute Image: Staff Clothing Working From Home Image: Staff Clothing Business Flights Image: Staff Clothing Transport Fuels Image: Staff Clothing Stationary Fuels Image: Staff Clothing Food & Catering N/A Postage & Couriers Image: Staff Clothing Printing & Stationery Image: Staff Clothing Hotel Accommodation Image: Staff Clothing Postage & Couriers Image: Staff Clothing Refrigerants Image: Staff Clothing Refrigerants Image: Staff Clothing Waste (Landfill & Recycling) Image: Staff Clothing	Carbon Neutral Paper		
Embodied Ferry Employee Commute Working From Home Business Flights Transport Fuels Stationary Fuels Cleaning Services Food & Catering Printing & Stationery Printing & Stationery Hotel Accommodation (Domestic & International) Advertising Refrigerants Refrigerants Waste (Landfill & Recycling)	Staff Clothing		
Employee Commute Working From Home Business Flights Business Flights Transport Fuels Stationary Fuels Cleaning Services Food & Catering N/A Postage & Couriers Printing & Stationery Hotel Accommodation (Domestic & International) Advertising Taxis Replacement Bus Service Refigerants Waste (Landfill & Recycling)	Embodied Ferry Emissions		
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Business Flights Transport Fuels Stationary Fuels Cleaning Services Food & Catering N/A Postage & Couriers Printing & Stationery Hotel Accommodation (Domestic & International) Advertising Taxis Replacement Bus Service Refrigerants Waste (Landfill & Recycling)	Working From Home		
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Stationary Fuels Cleaning Services Food & Catering N/A Postage & Couriers Printing & Stationery Hotel Accommodation (Domestic & International) Advertising Taxis Replacement Bus Service Refrigerants Waste (Landfill & Recycling)	Transport Fuels		
Cleaning Services Food & Catering N/A Postage & Couriers Printing & Stationery Hotel Accommodation (Domestic & International) Advertising Taxis Replacement Bus Service Refrigerants Waste (Landfill & Recycling)	Stationary Fuels		
Food & Catering N/A Postage & Couriers I Printing & Stationery I Hotel Accommodation I /Domestic & I /Domestic & I International) I Advertising I Taxis I Replacement Bus Service I Refrigerants I Waste (Landfill & Recycling) I	Cleaning Services	Excluded	
Postage & Couriers Printing & Stationery Hotel Accommodation (Domestic & International) Advertising Taxis Replacement Bus Service Refrigerants Waste (Landfill & Recycling)	Food & Catering	N/A	
Printing & Stationery Hotel Accommodation (Domestic & International) Advertising Taxis Replacement Bus Service Refrigerants Waste (Landfill & Recycling)	Postage & Couriers		
Hotel Accommodation Domestic & International) Advertising Taxis Replacement Bus Service Refrigerants Waste (Landfill & Recycling)	Printing & Stationery		
Advertising Taxis Replacement Bus Service Refrigerants Waste (Landfill & Recycling)	Hotel Accommodation (Domestic & International)		
Taxis Replacement Bus Service Refrigerants Waste (Landfill & Recycling)	Advertising		
Replacement Bus Service Refrigerants Waste (Landfill & Recycling)	Taxis		
Refrigerants Waste (Landfill & Recycling)	Replacement Bus Service		
Waste (Landfill & Recycling)	Refrigerants		
	Waste (Landfill & Recycling)		



Attributable non-quantified sources

N/A

Data management plan

N/A

Excluded sources (within certification boundary)

N/A

Non attributable sources (outside 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 constantly reviewing and looking at initiatives to reduce od environmental impact."



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.

Functional units

Table 2

	Number of
	functional units
a) Number of functional units sold this period	104,025,104



Emissions summary (inventory)

All emissions are shared with the organisation (parent) certification. See here for more details: https://www.climateactive.org.au/buy-climate-active/certified-members/transdev-sydney-ferries

Table 3	
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
1. Total inventory emissions	38,547.301
2. Emissions per functional unit (based on the number of functional	
units represented by the inventory) Total tCO2-e divided by the number of functional units in table 1.	0.0003706
3. Carbon footprint	
(Emissions per functional unit (2)* number of functional units (a or b from table 2))	38,547.301



Uplift factors

N/A

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

The details of the offsets are in the Organisation (parent) PDS: https://www.climateactive.org.au/buyclimate-active/certified-members/transdev-sydney-ferries

5. USE OF TRADE MARK

Table 6

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

6. ADDITIONAL INFORMATION

N/A



APPENDIX 1

Non-attributable emissions for products and services

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

Table 7

Relevance test					
Non- attributable emission	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

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APPENDIX 2

Non-quantified emissions for products/services

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

Table 8

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						

