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ABN/ACN/ARBN/Trading Name: 78623201507

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# NATIONAL GREENHOUSE AND ENERGY REPORTING SECTION 19 - EMISSIONS AND ENERGY REPORT Kimberley Mineral Sands FOR THE REPORTING YEAR 2023 – 2024

# REPORT UNDER SECTION 19 OF THE NATIONAL GREENHOUSE AND ENERGY REPORTING ACT 2007

Corporations registered under Division 3 of Part 2 of the *National Greenhouse and Energy Reporting Act 2007* (the NGER Act) are required to provide a report to the Clean Energy Regulator (the Regulator) by 31 October each year in respect of the previous financial year relating to:

- · greenhouse gas emissions; and
- · energy production; and
- · energy consumption;

from the operation of facilities under the operational control of the corporation and entities that are members of the corporation's group, during that financial year.

A report under section 19 of the NGER Act must be given in a manner and form approved by the Regulator and set out the information specified in the *National Greenhouse and Energy Reporting Regulations 2008* (the NGER Regulations). The report must also be based on the methods, or methods which meet criteria, set out in the *National Greenhouse and Energy Reporting (Measurement) Determination 2008* (the Measurement Determination).

This report is an approved form in which a report under section 19 of the NGER Act may be given to the Regulator.

Giving false or misleading information is a serious offence.

#### SUBMITTING THE REPORT

The approved manner for submission of the section 19 report is completion and submission of the report in the Emissions and Energy Reporting System.

Your report must be submitted to the Regulator by 31 October 2024.

If a copy of this report is printed in hardcopy form for any purpose it does not represent, nor can it be treated as, an official version of the report submitted to the Regulator.

# CONTROLLING CORPORATION DETAILS

Name	Kimberley Mineral Sands
Australian Business Number (ABN)	78623201507
Australian Company Number (ACN)	623201507
Australian Registered Body Number (ARBN)	-
Trading Name	Kimberley Mineral Sands
Head office postal address:	
Postal address line 1	264 Port Drive
Postal address line 2	-
Postal address line 3	-
Postal city/suburb	MINYIRR
Postal state	Western Australia
Postal postcode	6725
Postal country	AUSTRALIA
Head office street address:	
Street address line 1	264 Port Drive
Street address line 2	-
Street address line 3	-
Street city/suburb	MINYIRR
Street state	Western Australia
Street postcode	6725
Street country	AUSTRALIA

# EXECUTIVE OFFICER (OR EQUIVALENT) DETAILS

Name	Adam Bick	
Position	Secretary	
Phone	0418538809	
Mobile	-	
Fax	-	
Email	cosec@kmsands.com.au	
Postal address line 1	OFFC 1	
Postal address line 2	41 COLIN ST	
Postal address line 3	-	
Postal city/suburb	WEST PERTH	
Postal state	Western Australia	
Postal postcode	6005	
Postal country	AUSTRALIA	

#### **CONTACT PERSON DETAILS**

Name	Mitchell Duley
Position	Environmental Superintendent
Phone	0403977758
Mobile	-
Fax	-
Email	mduley@kmsands.com.au
Postal address line 1	264 PORT DR
Postal address line 2	-
Postal address line 3	-
Postal city/suburb	MINYIRR
Postal state	Western Australia
Postal postcode	6725
Postal country	AUSTRALIA

# KIMBERLEY MINERAL SANDS EMISSION AND ENERGY REPORT SUMMARY

The table below reports total scope 1 and scope 2 greenhouse gas emissions, energy produced and energy consumed by the corporate group Kimberley Mineral Sands for the 2023 - 2024 reporting period.

GREENHOUSE GAS EN	/IISSIONS (t CO2-e)		
Scope 1	Scope 2		Voluntary market-based Scope 2
33,440	31	33,471	-

ENERGY PRODUCED AND ENERGY CONSUMED (GJ)					
Energy Consumed Total Energy Consumed Net Energy Produced					
663,429 567,215 96,214					

GREENHOUSE GAS SCOPE 1 EMISSIONS BY GAS (t CO2-e)						
Carbon Dioxide Methane CO2 Methane CO2 Perfluorocarbons PFCs Hydro Fluoro Carbons Sulphur Hexafluoride FCS SF6						
33,313	55	66	-	-	6	33,440

# KIMBERLEY MINERAL SANDS EMISSION AND ENERGY REPORT DETAIL

# Corporate Structure

The table below lists the entities whose greenhouse gas emissions and energy production and energy consumption are included in the S19 report.

No.	Entity Details	Emissions	Scope 2 Emissions (t CO2-e)	nasen	Consumed	Consumed	Energy Produced (GJ)
1	Broome Office  Type: Facility	0	22	0	147	147	0
2	Perth Office  Type: Facility	0	9	0	64	64	0
3	Thunderbird Mineral Sands Project <b>Type:</b> Facility	33,440	0	0	663,218	567,004	96,214

# 1: BROOME OFFICE - FACILITY

Name	Broome Office
Facility Street Address	264 Port Drive Broome Western Australia 6725 AUSTRALIA
Geographic Coordinates	Latitude 17.988S / Longitude 122.205E
Facility location	-
Activity location	Western Australia
Location description	-
Activity description	-
ANZSIC Code	109 - Other mining support services
Operational Control	Kimberley Mineral Sands
Number of Days with Operational Control	Full Year
Operational Control Dates	01/07/2023 - 30/06/2024
Grid Connected Electricity Generator	No

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Kimberley Mineral Sands.

GREENHOUSE GAS EN	//ISSIONS (t CO2-e)		
Scope 1	Scope 2		Voluntary market-based Scope 2
-	22	22	-

ENERGY PRODUCED AND ENERGY CONSUMED (GJ)					
Energy Consumed Total Energy Consumed Net Energy Produced					
147 147 -					

GREENHOUSE GAS SCOPE 1 EMISSIONS BY GAS (t CO2-e)							
Carbon Dioxide CO2	Total						
-							

SCOPE 2 EMISSIONS							
Activity Type	Quantity	Units	Emission Factor (kg CO2-e / unit)	Scope 2 Location Emissions (t CO2-e)			
Purchase and loss of electricity from other sources	40,848	kWh	0.54	22			
			Total	22			

ACTIVITY IVAG							Energy Content (GJ)	
Purchase and loss of electricity from other	-	-	-	-		kWh	0.0036	147
sources								

# 2: PERTH OFFICE - FACILITY

Name	Perth Office
Facility Street Address	Level 2 41- 47 Colin Street West Perth Western Australia 6005 AUSTRALIA
Geographic Coordinates	Latitude 31.949S / Longitude 115.841E
Facility location	-
Activity location	Western Australia
Location description	-
Activity description	-
ANZSIC Code	109 - Other mining support services
Operational Control	Kimberley Mineral Sands
Number of Days with Operational Control	Full Year
Operational Control Dates	01/07/2023 - 30/06/2024
Grid Connected Electricity Generator	No

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Kimberley Mineral Sands.

GREENHOUSE GAS EMISSIONS (t CO2-e)				
Scope 1	Scope 2	Total of Scope 1 and Scope 2	Voluntary market-based Scope 2	
-	9	9	-	

ENERGY PRODUCED AND ENERGY CONSUMED (GJ)			
Energy Consumed Total	Energy Consumed Net	Energy Produced	
64	64	-	

GREENHOUSE GAS SCOPE 1 EMISSIONS BY GAS (t CO2-e)						
Carbon Dioxide CO2	Methane CH4	Nitrous Oxide N2O	Perfluorocarbons PFCs	Hydro Fluoro Carbons HFCs	Sulphur Hexafluoride SF6	Total
-	-	-	-	-	-	-

SCOPE 2 EMISSIONS				
Activity Type	Quantity	Units	, ,	Scope 2 Location Emissions (t CO2-e)
Purchase and loss of electricity from main electricity grid in a State or Territory	17,773	kWh	0.53	9
			Total	9

ENERGY CONSUMED BY	MEANS OTH	HER TH	HAN CO	MBUST	ION			
ACTIVITY IVNO	Fuel / Energy Commodity	Fuel Usage	Criterion	Sub- criterion	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
Purchase and loss of electricity from main electricity grid in a State or Territory	-	-	-	-	17,773	kWh	0.0036	64
							Total	64

# 3: THUNDERBIRD MINERAL SANDS PROJECT - FACILITY

Name	Thunderbird Mineral Sands Project
Facility Street Address	Great Northern Highway Broome Western Australia 6725 AUSTRALIA
Geographic Coordinates	Latitude 17.424S / Longitude 122.959E
Facility location	-
Activity location	Western Australia
Location description	-
Activity description	-
ANZSIC Code	080 - Metal ore mining
Operational Control	Kimberley Mineral Sands
Number of Days with Operational Control	Full Year
Operational Control Dates	01/07/2023 - 30/06/2024
Grid Connected Electricity Generator	No

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Kimberley Mineral Sands.

GREENHOUSE GAS EMISSIONS (t CO2-e)					
Scope 1	Scope 2	Intal of Scope 1 and Scope 2	Voluntary market-based Scope 2		
33,440	-	33,440	-		

ENERGY PRODUCED AND ENI	ERGY CONSUMED (GJ)	
Energy Consumed Total	Energy Consumed Net	Energy Produced
663,218	567,004	96,214

GREENHOUSE GAS SCOPE 1 EMISSIONS BY GAS (t CO2-e)						
Carbon Dioxide CO2	Methane CH4	Nitrous Oxide N2O	Perfluorocarbons PFCs	Hydro Fluoro Carbons HFCs	Sulphur Hexafluoride SF6	Total
33,313	55	66	-	-	6	33,440

Source category: Fuel combustion Source of emissions: Stationary and Transport energy purposes (excluding electricity generation) Activity type: Emissions released from combustion of liquid  Fuel / Energy commodity: Diesel oil Fuel usage: combustion Criterion: A	5,637.895 kL	EC (GJ/ Unit): 38.6 Z (GJ):	Gas: CO2 EF (kg	15,212
fuels other than petroleum oils or greases - Stationary energy purposes		217,623	CO2-e / GJ): 69.9 Method: Method 1	
			Gas: CH4 EF (kg CO2-e / GJ): 0.1 Method: Method 1	22

				EF (kg CO2-e / GJ): 0.2 Method: Method 1	
Source category: Fuel combustion Source of emissions: Stationary and Transport energy purposes (excluding electricity generation) Activity type: Emissions released from combustion of liquid fuels other than petroleum oils or greases - Stationary energy purposes	Liquefied petroleum gas kL liquefied petroleum g	EC (GJ/ Unit): 25.7 Z (GJ):	Gas: CO2 EF (kg CO2-e / GJ): 60.2 Method: Method 1	0	
				Gas: CH4 EF (kg CO2-e / GJ): 0.2 Method: Method 1	0
				Gas: N2O EF (kg CO2-e / GJ): 0.2 Method: Method 1	0
Source category: Fuel combustion Source of emissions: Stationary and Transport energy purposes (excluding electricity generation) Activity type: Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Fuel / Energy commodity: Diesel oil - Transport Fuel usage: combustion Criterion: A	490.624 kL	EC (GJ/ Unit): 38.6 Z (GJ): 18,938	Gas: CO2 EF (kg CO2-e / GJ): 69.9 Method: Method 1	1,324
		Gas: CH4 EF (kg CO2-e / GJ): 0.1 Method: Method 1	2		
				Gas: N2O EF (kg CO2-e / GJ): 0.4 Method: Method 1	8

Source category: Fuel combustion Source of emissions: Stationary and Transport energy purposes (excluding electricity generation) Activity type: Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	stion  permissions:  Ind Transport energy purposes electricity generation)  pe: eleased from combustion of liquid han petroleum oils or greases -		EC (GJ/ Unit): 38.6 Z (GJ): 7,981	Gas: CO2 EF (kg CO2-e / GJ): 69.9 Method: Method 1	558		
					Gas: CH4 EF (kg CO2-e / GJ): 0.01 Method: Method 2	0	
				Gas: N2O EF (kg CO2-e / GJ): 0.5 Method: Method 2	4		
Source category: Fuel combustion Source of emissions: Stationary and Transport energy purposes (excluding electricity generation) Activity type: Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	combustion  ce of emissions: charge and Transport energy purposes adding electricity generation) city type: combustion  Gasoline (other than for use as fuel in an aircraft) - Transport post-2004  Fuel usage: combustion  Criterion: A		EC (GJ/ Unit): 34.2 Z (GJ): 81	Gas: CO2 EF (kg CO2-e / GJ): 67.4 Method: Method 2	5		
				Gas: CH4 EF (kg CO2-e / GJ): 0.02 Method: Method 2	0		
				Gas: N2O EF (kg CO2-e / GJ): 0.2 Method: Method 2	0		
Source category: Fuel combustion Source of emissions: Stationary and Transport energy purposes (excluding electricity generation) Activity type:	Fuel / Energy commodity: Petroleum based greases Fuel usage: combustion Criterion: A	22.314 kL	EC (GJ/ Unit): 38.8 Z (GJ): 866	Gas: CO2 EF (kg CO2-e / GJ): 3.5	3		

Emissions released from combustion of petroleum based oils or greases				Method: Method 1	
Source category: Fuel combustion Source of emissions: Stationary and Transport energy purposes (excluding electricity generation) Activity type: Emissions released from combustion of petroleum based oils or greases	Fuel / Energy commodity: Petroleum based oils (other than petroleum based oil used as fuel) Fuel usage: combustion Criterion: A	241.518 kL	EC (GJ/ Unit): 38.8 Z (GJ): 9,371	Gas: CO2 EF (kg CO2-e / GJ): 13.9 Method: Method 1	130
		Source Total	254,860		17,312
Source category: Fuel combustion Source of emissions: Emissions released from fuel use by certain industries (including electricity generation) Activity type: Electricity production - Gaseous fuels	Fuel / Energy commodity: Liquefied natural gas Fuel usage: combustion Criterion: A	12,032.208 kL	EC (GJ/ Unit): 25.3 Z (GJ): 304,415	Gas: CO2 EF (kg CO2-e / GJ): 51.4 Method: Method 1	15,647
				Gas: CH4 EF (kg CO2-e / GJ): 0.1 Method: Method 1	30
				Gas: N2O EF (kg CO2-e / GJ): 0.03 Method: Method 1	9
Source category: Fuel combustion Source of emissions: Emissions released from fuel use by certain industries (including electricity generation) Activity type: Electricity production - Liquid fuels	Fuel / Energy commodity: Diesel oil Fuel usage: combustion Criterion: A	160.938 kL	EC (GJ/ Unit): 38.6 Z (GJ): 6,212	Gas: CO2 EF (kg CO2-e / GJ): 69.9 Method: Method 1	434
				Gas: CH4 EF (kg CO2-e / GJ): 0.1 Method: Method 1	1
					1

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			Gas: N2O EF (kg CO2-e / GJ): 0.2 Method: Method 1	
	Source Total	310,627		16,122
Source category: Industrial processes Source of emissions: Emissions of hydrofluorocarbons and sulphur hexafluoride gases Activity type: Emissions of sulphur hexafluoride gases from gas insulated switchgear and circuit breaker applications	652.83 tonnes	-	Gas: SF6 EF (kg CO2-e / GJ): - Method: Method 1	6
	Source Total	-		6
	Total	565,487		33,440

ENERGY CONSUMED BY MEANS OF COMBUSTION FOR PRODUCING ELECTRICITY								
Activity Type	Fuel / Energy Commodity	Fuel Usage	Criterion	Sub- criterion	Amount	Units		Energy Content (GJ)
Electricity production - Gaseous fuels	Liquefied natural gas	combustion		-	12,032.208	kL	25.3	304,415
Electricity production - Liquid fuels	Diesel oil	combustion	А	-	160.938	kL	38.6	6,212
		•					Total	310,627

ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT								
Activity Type	Fuel / Energy Commodity	Fuel Usage	Criterion	Sub- criterion	Amount		Energy Content Factor (GJ/ Unit)	Energy Content (GJ)
Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	-	490.624	kL	38.6	18,938
Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport post-2004	combustion	A	-	206.758	kL	38.6	7,981
Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Gasoline (other than for use as fuel in an aircraft) - Transport post-2004	combustion	A	-	2.381	kL	34.2	81
							Tota	27,000

# ENERGY CONSUMED BY MEANS OF COMBUSTION FOR PURPOSES OTHER THAN PRODUCING ELECTRICITY, PRODUCING A CHEMICAL OR METAL PRODUCT OR FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criterion	Sub- criterion	Amount	Units	Energy Content Factor (GJ/ Unit)	Energy Content (GJ)
Emissions released from combustion of liquid fuels other than petroleum oils or greases - Stationary energy purposes	Diesel oil	combustion	A	-	5,637.895	kL	38.6	217,623
Emissions released from combustion of liquid fuels other than petroleum oils or greases - Stationary energy purposes	Liquefied petroleum gas	combustion	A	-	0.017	kL	25.7	0
Emissions released from combustion of petroleum based oils or greases	Petroleum based greases	combustion	A	-	22.314	kL	38.8	866
Emissions released from combustion of petroleum based oils or greases	Petroleum based oils (other than petroleum based oil used as fuel)	combustion	A	-	241.518	kL	38.8	9,371
							Total	227,860

ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION								
Activity Type	Fuel / Energy Commodity	Fuel Usage	Criterion	Sub- criterion	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
Energy consumed (not combusted)	Petroleum based oils (other than petroleum based oil used as fuel)	non- combustion	A	-	39.096		38.8	1,517
Energy consumed (not combusted)	Hectricity	non- combustion	-	-	96,214	GJ	1	96,214
Total							97,731	

ELECTRICITY PRODUCED							
Activity Type	Usage	Amount	Units	Energy Content Factor (GJ/ Unit)	Converted Energy Content Amount (GJ)		
Electricity (thermal generation)	For use onsite	26,726,154.68	kWh	0.0036	96,214		
Total 96,214							

# CONTRACTORS

Name of Contractor	Carey Civil Contractors
Contractor's Identifying Details	ABN 37094906028

CONTRACTOR GREENHOUSE GAS	EMISSIONS
Total Greenhouse Gas Emissions (t CO2-e)	7,973

CONTRACTOR ENERGY PRODUCED AND ENERGY CONSUMED (GJ)				
Energy Consumed (GJ)	Energy Produced (GJ)			
115,710	0			

#### CORPORATE GROUP THRESHOLD MET

The corporate group of Kimberley Mineral Sands has met a corporate group threshold prescribed in sections 13 (1)(a),(b), or (c) of the NGER Act during the reporting year and is reporting under Divisions 4.3 to 4.5 of the NGER Regulations (regulation 4.03).

#### PRIVACY STATEMENT

#### PROTECTION OF INFORMATION

The Clean Energy Regulator is bound by the secrecy provisions of Part 3 of the *Clean Energy Regulator Act 2011* (CER Act) in regard to information it collects in relation to this report and also by the *Privacy Act 1988* in regard to personal information it collects.

#### PRIVACY NOTICE

'Personal information' is defined in the Privacy Act 1988 to mean information or an opinion about an identified individual, or an individual who is reasonably identifiable:

- (a) whether the information or opinion is true or not; and
- (b) whether the information or opinion is recorded in a material form or not.

The collection of personal information relating to this report is authorised by the *National Greenhouse and Energy Reporting Act* 2007 (NGER Act) and the National Greenhouse and Energy Reporting Regulations 2008.

Personal information collected in relation to this report will be used for the purposes of assessing the report content, auditing compliance, enforcement of relevant laws and regulations, the performance of our statutory functions and for related purposes. We will also use the personal information which you provide for our administrative purposes, for example, to pre-populate other Clean Energy Regulator forms which you wish to fill out online in the future, and for improving our service delivery to you. We cannot process the application if we do not collect relevant personal information.

The Clean Energy Regulator's Privacy Policy contains information about the agency's procedures for handling personal information including how a person can access their personal information held by the agency, and how to seek correction of such information. The Privacy Policy also contains information about how to complain about a breach of the Australian Privacy Principles. The Clean Energy Regulator's Privacy Policy can be found at <a href="https://www.cleanenergyregulator.gov.au">www.cleanenergyregulator.gov.au</a>.

#### DISCLOSURE OF INFORMATION

The Clean Energy Regulator is only able to disclose information relating to this report (including personal information) in accordance with the CER Act, the NGER Act, the Privacy Act 1988 or as otherwise required by law.

The circumstances in which such information may be disclosed include:

- Disclosure to the Secretary or authorised officer of a Department for the purpose of administering a program or collecting statistics relating to greenhouse gas emissions, energy consumption or energy production;
- Disclosure to certain agencies, bodies or persons where the Regulator is satisfied that disclosure will enable or assist those agencies, bodies or persons to perform or exercise their functions or powers, including the Australian Securities and Investments Commission, the Australian Competition and Consumer Commission and the Commissioner of Taxation;
- Disclosure for the purposes of law enforcement;
- Disclosure to States and Territories in accordance with the NGER Act; and
- Disclosure for the purposes of a climate change law or for the purposes of the performance of our functions under a climate change law.

#### **DECLARATION**

The Executive Officer (or equivalent), as described in the *National Greenhouse and Energy Reporting Act 2007* (NGER Act), should read the following declaration below before electronically submitting the emissions and energy report.

It is the responsibility of the reporting entity to ensure that the information provided in the emissions and energy report is prepared in accordance with the requirements set out in the NGER Act and the National Greenhouse and Energy Reporting Regulations 2008 (NGER Regulations) and that the data it contains is based on methods prescribed in the National Greenhouse and Energy Reporting (Measurement) Determination 2008 (NGER Measurement Determination).

Under the NGER Act and the NGER Regulations, the reporting entity remains responsible for the truth and accuracy of the contents of the emissions and energy report despite the assistance, if any, of a third party in its preparation.

Section 19 of the NGER Act includes a civil penalty provision, a breach of which may attract a pecuniary penalty of up to 2,000 penalty units.

In accordance with section 22 of the NGER Act, a reporting entity is required to keep records of the activities of the members of its group that, inter alia, allow it to report accurately and enable the Clean Energy Regulator to ascertain whether it has complied with its obligations under the NGER Act. Records must be retained for a period of 5 years from the end of the year in which the activities took place. Section 22 includes a civil penalty provision, a breach of which may attract a pecuniary penalty of up to 1,000 penalty units.

By electronically submitting, the signatory declares that:

- they have read and understood the penalties that apply for breaching the NGER Act;
- the information provided in this emissions and energy report (including any attachments) is true and correct, and that they understand that the provision of false or misleading information is a serious offence under the *Criminal Code 1995* and may have consequences under the NGER Act;
- the information provided in this emissions and energy report has been prepared and supplied in accordance with the requirements set out in the NGER Act, the NGER Regulations and the NGER Measurement Determination;
- they are duly authorised to act, including submitting this emissions and energy report, on behalf of the reporting entity;
- they acknowledge the Clean Energy Regulator is required to publish the information provided in this emissions and energy report, including any market-based scope 2 emissions reported under section 7.4 of the Measurement Determination;
- they consent to the publication of the total market-based scope 2 emissions reported for the corporate group;
- they consent to the publication of contextual information relating to market-based scope 2 emissions such as the proportion of facilities which reported under the market-based method for the corporate group;
- the Clean Energy Regulator may compel or conduct an audit of the information contained in this emissions and energy report or in relation to compliance with the NGER Act, the NGER Regulations and the NGER Measurement Determination;
- the Clean Energy Regulator may request further clarification or documentation to verify the information supplied in this emissions and energy report; and
- the entity providing the emissions and energy report and each group member (if any) listed in the report is a body corporate.