7: TAHMOOR COAL PTY LTD - GROUP MEMBER

Name	TAHMOOR COAL PTY LTD
Australian Business Number (ABN)	97076663968
Australian Company Number (ACN)	076663968
Australian Registered Body Number (ARBN)	-
Trading Name	-
Street address line 1	c/o GFG Alliance Australia
Street address line 2	Level 27
Street address line 3	8 Chifley Square
Street city/suburb	Sydney
Street state	New South Wales
Street postcode	2000
Street country	AUSTRALIA

The following tables summarise total greenhouse gas emissions and energy data for all facilities that were under the operational control of this group member during the reporting period.

GREENHOUSE GAS EMISSIONS (t CO2-e)					
Scope 1	Scope 2	Total of Scope 1 and Scope 2 1,055,305			
964,050	91,255	1,055,305			

ENERGY PRODUCED AND ENERGY CONSUMED (GJ)				
Energy Consumed Total	Energy Consumed Net	Energy Produced		
1,635,523	1,635,523	52,678,929		

GREENHOUS	SE GAS	SCOPE 1 EN	MISSIONS BY G	AS (t CO2-e)		
Carbon Dioxide CO2			Perfluorocarbons PFCs	Hydro Fluoro Carbons HFCs	Sulphur Hexafluoride SF6	Total
171,272	792,522	251	-	-	5	964,050

8: TAHMOOR COAL MINE - FACILITY

Name	TAHMOOR COAL MINE
Facility Street Address	Remembrance Drive TAHMOOR New South Wales 2573 AUSTRALIA
Geographic Coordinates	Latitude 34.250S / Longitude 150.576E
Facility location	-
Activity location	New South Wales
Location description	-
Activity description	-
ANZSIC Code	060 - Coal mining
Operational Control	TAHMOOR COAL PTY LTD
Number of Days with Operational Control	Full Year
Operational Control Dates	01/07/2021 - 30/06/2022
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 TAHMOOR COAL PTY LTD.

GREENHOUSE GAS EMISSIONS (t CO2-e)					
Scope 1	Scope 2	Total of Scope 1 and Scope 2 1,055,305			
964,050	91,255	1,055,305			

ENERGY PRODUCED AND ENERGY CONSUMED (GJ)				
Energy Consumed Total Energy Consumed Net Energy Produced				
1,635,523	1,635,523	52,678,929		

GREENHOUS	SE GAS	SCOPE 1 E	MISSIONS BY G	GAS (t CO2-e)		
Carbon Dioxide CO2		Nitrous Oxide N2O	Perfluorocarbons PFCs	Hydro Fluoro Carbons HFCs	Sulphur Hexafluoride SF6	Total
171,272	792,522	251	-	-	5	964,050

SCOPE 1 EMISSIONS

EC = Energy Content Factor, Z = Energy Content, EF = Emission Factor
--

Source Activity	Fuel / Criterion	Quantity	Energy Values (EC & Z)	Gas / Method	Scope 1 Emissions (t CO2-e)
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	Fuel / Energy commodity: Diesel oil Fuel usage: combustion Criterion: A	1,551.475 kL	EC (GJ/Unit): 38.6 Z (GJ): 59,887	Gas: CO2 EF (kg CO2-e / GJ): 69.9 Method: Method 1	4,186
				Gas: CH4 EF (kg CO2-e / GJ): 0.1 Method: Method 1	6
				Gas: N2O EF (kg CO2-e / GJ): 0.2 Method: Method 1	12

https://eers.cleanenergyregulator.gov.au/ReportDetail/ViewSubmission/21948/22/True

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: Gasoline (other than for use as fuel in an aircraft) - Transport post-2004 Fuel usage: combustion Criterion: A	0.648 KL	EC (GJ/Unit): 34.2 Z (GJ): 22	Gas: CO2 EF (kg CO2-e / GJ): 67.4 Method: Method 1	1
				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: Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Fuel / Energy commodity: Diesel oil - Transport post- 2004 Fuel usage: combustion Criterion: A	2.863 KL	EC (GJ/Unit): 38.6 Z (GJ): 111	Gas: CO2 EF (kg CO2-e / GJ): 69.9 Method: Method 1	8
				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	0
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	158.135 kL	EC (GJ/Unit): 38.8 Z (GJ): 6,136	Gas: CO2 EF (kg CO2-e / GJ): 13.9 Method: Method 1	85

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 greases Fuel usage: combustion Criterion: A	: 5.11 KL	EC (GJ/Unit): 38.8 Z (GJ): 198	Gas: CO2 EF (kg CO2-e / GJ): 3.5 Method: Method 1	1
		Source Total	66,354		4,299
Source category: Fugitive emissions Source of emissions: Underground mines Activity type: Emissions released from coal mine waste of flared	Fuel / Energy commodity Coal mine waste gas that is captured for combustion Fuel usage: combustion		EC (GJ/Unit): 0.0377 Z (GJ): 1,153,325	Gas: CO2 EF (kg CO2-e / GJ): 49.12525 Method: Method 2	55,939
				Gas: CH4 EF (kg CO2-e / GJ): 4.6 Method: Method 2	3,666
				Gas: N2O EF (kg CO2-e / GJ): 0.3 Method: Method 2	239
Source category: Fugitive emissions Source of emissions: Underground mines Activity type: Fugitive emissions from extraction of coal	-	-	-	Gas: CO2 EF (kg CO2-e / GJ): - Method: Method 4	111,052
				Gas: CH4 EF (kg CO2-e / GJ): - Method: Method 4	745,186
Source category: Fugitive emissions Source of emissions: Underground mines Activity type: Fugitive emissions from post mining activiti	es	-	-	Gas: CH4 EF (kg CO2-e / GJ): 0.019 Method: Method 1	43,664

10/14/22, 2:57 PM	https://eers.c	cleanenergyregulator.gov.au/ReportI	Detail/ViewSub	mission/21948	3/22/True	
Source category: Industrial processes Source of emissions: Emissions of hydrofluorocarbons and hexafluoride gases Activity type: Emissions of sulphur hexafluoride gas gas insulated switchgear and circuit be applications	es from	-	557.75 tonnes	-	Gas: SF6 EF (kg CO2-e / GJ): - Method: Method 1	5
			Source Total	-		5
			Total	1,219,679		964,050

Source of Emissions	MTBI Meth		Activity	Activity Value	Unit	
Underground mines	the tonnes of coal mine waste gas (CO2-e) flared	Method 1	-	59844	tonnes (CO2- e)(flared)	
	the tonnes of raw coal produced	Method 4	Fugitive emissions from extraction of coal	2298116	tonnes	
Underground mines	the tonnes of raw coal produced	Method 1	Fugitive emissions from post mining activities	2298116	tonnes	
	the tonnes of carbon dioxide captured for energy production on site	Method 4	Fugitive emissions from extraction of coal	0	tonnes (CO2 e)	
	the tonnes of methane (CO2-e) captured for energy production on site	Method 4	Fugitive emissions from extraction of coal	0	tonnes (CO2 e)	
	the tonnes of carbon dioxide captured and transferred off site	Method 4	Fugitive emissions from extraction of coal	13135	tonnes (CO2 e)	
	the tonnes of methane (CO2-e) captured and transferred off site	Method 4	Fugitive emissions from extraction of coal	280090	tonnes (CO2 e)	
	the tonnes of carbon dioxide flared	Method 4	Fugitive emissions from extraction of coal	16786	tonnes (CO2 e)	
	the tonnes of methane (CO2-e) flared	Method 4	Fugitive emissions from extraction of coal	409770	tonnes (CO2 e)	
	whether the mine is a gassy mine or a non- gassy mine	Method 1	Fugitive emissions from post mining activities	Gassy		

SCOPE 2 EMISSIONS

	Quantity	Units	CO2-e / unit)	Scope 2 Emissions (t CO2-e)
Purchase and loss of electricity from main electricity grid in a State or Territory	115,512,171	kWh	0.79	91,255
			Total	91,255

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criterion	Sub- criterion	Amount	Units		Energy Conten (GJ)
Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy ourposes	Gasoline (other than for use as fuel in an aircraft) - Transport post-2004	combustion	A	-	0.648			22
Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy ourposes	Diesel oil - Transport post-2004	combustion	A	-	2.863	kL	38.6	111

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	-	1,551.475			59,887
Emissions released from combustion of petroleum based oils or greases	Petroleum based oils (other than petroleum based oil used as fuel)	combustion	A	-	158.135	kL	38.8	6,136
Emissions released from combustion of petroleum based oils or greases	Petroleum based greases	combustion	A	-	5.11	kL	38.8	198
Emissions released from coal mine waste gas flared	Coal mine waste gas that is captured for combustion	combustion	-	-	30,592,185	m3	0.0377	1,153,325
				-			Total	1,219,546

ENERGY CONSUMED BY MEAN	NS OTHER T	HAN (COMBU	STION				
Activity Type	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	-	-	-	-	115,512,171	kWh	0.0036	415,844
		-					Total	415,844

ENERGY PRODUCED Energy Converted Fuel / Energy Commodity Amount Primary/Secondary Amount Content Activity Type Units Factor (GJ) Energy content of fuel Coking coal 1,690,121 tonnes 30 50,703,630 Primary produced Energy content of fuel Coal mine waste gas that is captured Primary 30,592,185 m3 0.0377 1,153,325 produced for combustion Energy content of fuel Coal mine waste gas that is captured Primary 0.0377 821,974 21,803,021.523 m3 produced for combustion Total 52,678,929