



Australian Government  
Clean Energy Regulator

ABN ACN ARBN Trading Name: 15055964380

Reporting Year: 2012 - 2013

## NATIONAL GREENHOUSE AND ENERGY REPORTING SECTION 19 - ENERGY AND EMISSIONS REPORT

**GWA GROUP LTD**

**FOR THE REPORTING PERIOD 01/07/2012 – 30/06/2013**

### **Reporting 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 for the previous eligible 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 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 NGER Determination).

Giving false or misleading information is a serious offence.

### **Submitting the Report**

This Report is only valid when it has been completed in the Emissions and Energy Reporting System (EERS) and is electronically submitted to the Regulator. This report must be received by the Regulator by 31 October 2013. Receipt by the Regulator will be confirmed by a notification sent to the person who lodged the report.

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.



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## CONTROLLING CORPORATION DETAILS

<i>Name</i>	<i>GWA Group Ltd</i>
Australian Business Number (ABN)	15055964380
Australian Company Number (ACN)	-
Australian Registered Body Number (ARBN)	-
Trading Name	GWA International Ltd
Head office postal address:	
Postal address line 1	Level 2 HQ - South Tower
Postal address line 2	520 Wickham Street
Postal address line 3	-
Postal city/suburb	FORTITUDE VALLEY
Postal state	Queensland
Postal postcode	4006
Postal country	AUSTRALIA
Head office street address:	
Street address line 1	Level 2 HQ - South Tower
Street address line 2	520 Wickham Street
Street address line 3	-
Street city/suburb	FORTITUDE VALLEY
Street state	Queensland
Street postcode	4006
Street country	AUSTRALIA

## Executive Officer (or equivalent) Details

<i>Name</i>	<i>Peter Charles Crowley</i>
Phone	0730085073
Mobile	-
Fax	-
Email	pcrowley@gwagroup.com.au
Postal address line 1	-
Postal address line 2	-
Postal address line 3	-
Postal city/suburb	-
Postal state	-
Postal postcode	-
Postal country	-



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## GWA GROUP LTD ENERGY AND EMISSIONS REPORT SUMMARY

### Greenhouse gas emissions and energy total for the reporting period 1/07/2012 - 30/06/2013

The table below reports total scope 1 and scope 2 greenhouse gas emissions (GHG), energy produced and energy consumed by the corporate group GWA Group Ltd

#### Greenhouse Gas Emissions

<i>Scope 1 (t CO<sub>2</sub>-e)</i>	<i>Scope 2 (t CO<sub>2</sub>-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO<sub>2</sub>-e)</i>
10,055	20,408	30,463

#### Energy Produced and Energy Consumed

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
255,697	255,697	-

#### Greenhouse Gas Scope 1 Emissions By Gas

<i>Carbon Dioxide CO<sub>2</sub> (t CO<sub>2</sub>-e)</i>	<i>Methane CH<sub>4</sub> (t CO<sub>2</sub>-e)</i>	<i>Nitrous Oxide N<sub>2</sub>O (t CO<sub>2</sub>-e)</i>	<i>Perfluorocarbons PFCs (t CO<sub>2</sub>-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO<sub>2</sub>-e)</i>	<i>Sulphur Hexafluoride SF<sub>6</sub> (t CO<sub>2</sub>-e)</i>	<i>Total (t CO<sub>2</sub>-e)</i>
9,427	26	70	-	532	-	10,055

#### Reporting assessment of uncertainty

The NGER Regulations require a registered corporation's report to include the amount of uncertainty associated with estimates of scope 1 emissions for their corporate group.

Uncertainty is to be assessed for an emissions estimate so that a range for statistical uncertainty is provided at a 95% confidence level. The uncertainty of emissions estimates is to be calculated in accordance with the rules set out in Chapter 8 of the NGER Determination, including in accordance with the GHG Protocol guidance on uncertainty assessment in GHG inventories and calculating statistical parameter uncertainty (September 2003), as applicable.

<i>Assessment of Uncertainty (%)</i>
3%

## GWA GROUP LTD ENERGY AND EMISSIONS 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.

S19 NGER report

Submission status: Submitted

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<b>Entity Reference Number</b>	<b>Entity Name</b>	<b>Entity Type</b>	<b>Scope 1 Emissions (t CO2-e)</b>	<b>Scope 2 Emissions (t CO2-e)</b>	<b>Energy Consumed Total (GJ)</b>	<b>Energy Consumed Net (GJ)</b>	<b>Energy Produced (GJ)</b>
1	GWA - QLD - Wickham St HO	Facility	1	3	24	24	0
2	Caroma Industries Ltd	Group Member	5,035	11,468	145,995	145,995	-
3	Caroma Dorf - NSW - Wetherill Park	Facility	4,312	6,833	111,738	111,738	0
4	Caroma Dorf - NSW - Revesby	Facility	21	427	2,092	2,092	0
5	Caroma Dorf - QLD - Eagle Farm	Facility	135	305	3,231	3,231	0
6	Caroma Dorf - SA - Norwood	Facility	75	3,079	18,757	18,757	0
7	Caroma Dorf - NSW - Epping	Facility	138	183	2,721	2,721	0
8	Caroma Dorf - VIC - Pascoe Vale	Facility	4	168	567	567	0
9	Caroma Dorf - WA - Osborne Park	Facility	77	142	1,759	1,759	0
10	Caroma Dorf - SA - Glynde	Facility	0	3	17	17	0
11	Caroma Dorf - TAS - Launceston	Facility	2	9	144	144	0
12	Caroma Dorf - VIC - South Melbourne	Facility	130	231	2,571	2,571	0
13	Caroma Dorf - NSW - Hexham Place	Facility	1	0	14	14	0
14	Caroma Dorf - NSW - Bella Vista	Facility	140	88	2,384	2,384	0
15	Dux Manufacturing Ltd	Group Member	2,259	3,824	47,606	47,606	-
16	Dux - NSW - Moss Vale	Facility	2,099	3,740	45,009	45,009	0
17	Dux - VIC - Clayton North	Facility	65	51	1,088	1,088	0
18	Dux - NSW - Newington	Facility	48	33	832	832	0
19	Dux - QLD - Wacol	Facility	36	0	512	512	0
20	Dux - SA - Kent Town	Facility	11	0	165	165	0
21	Gliderol International Pty Ltd	Group Member	670	891	14,263	14,263	-
22	Gliderol Smithfield	Facility	181	220	3,652	3,652	0



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<b>Entity Reference Number</b>	<b>Entity Name</b>	<b>Entity Type</b>	<b>Scope 1 Emissions (t CO2-e)</b>	<b>Scope 2 Emissions (t CO2-e)</b>	<b>Energy Consumed Total (GJ)</b>	<b>Energy Consumed Net (GJ)</b>	<b>Energy Produced (GJ)</b>
23	Gliderol - SA - Holden Hill	Facility	94	269	3,011	3,011	0
24	Gliderol - NSW - Newcastle	Facility	32	36	619	619	0
25	Gliderol Holden Hill 51 Jacobson St	Facility	11	34	348	348	0
26	Gliderol Dandenong	Facility	22	55	510	510	0
27	Gliderol Geelong	Facility	73	6	1,075	1,075	0
28	Gliderol Woolongong	Facility	8	7	150	150	0
29	Gliderol Burleigh Heads	Facility	60	12	917	917	0
30	Gliderol Banyo	Facility	135	116	2,546	2,546	0
31	Gliderol Bunbury	Facility	2	5	58	58	0
32	Gliderol Wangara	Facility	52	99	1,237	1,237	0
33	Gliderol Comp Way Wangara	Facility	0	32	140	140	0
34	Gainsborough Hardware Industries Ltd	Group Member	1,000	2,019	23,891	23,891	-
35	Gainsborough - VIC - Kyneton	Facility	38	7	752	752	0
36	Gainsborough - VIC - Blackburn - 15-33 Alfred Street	Facility	0	912	2,759	2,759	0
37	Gainsborough - NSW - Taren Point	Facility	72	11	1,076	1,076	0
38	Gainsborough - SA - Vale Park	Facility	25	0	363	363	0
39	Gainsborough - VIC - Blackburn - 9 Alfred Street	Facility	0	32	95	95	0
40	Gainsborough - QLD - Stones Corner	Facility	95	23	1,457	1,457	0
41	Gainsborough - WA - Malaga	Facility	54	45	975	975	0
42	Gainsborough - VIC - (Austral) Brooklyn - Export Drive	Facility	604	792	14,212	14,212	0
43	Gainsborough - VIC - Blackburn - 190 Whitehorse Rd	Facility	112	197	2,202	2,202	0
44	Brivis Climate Systems	Group Member	663	1,876	16,645	16,645	-
45	Brivis - VIC -	Facility	663	1,876	16,645	16,645	0



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Entity Reference Number	Entity Name	Entity Type	Scope 1 Emissions (t CO2-e)	Scope 2 Emissions (t CO2-e)	Energy Consumed Total (GJ)	Energy Consumed Net (GJ)	Energy Produced (GJ)
	Braeside						
46	API SERVICES AND SOLUTIONS PTY LIMITED	Group Member	427	327	7,273	7,273	-
47	API VIC South Melbourne	Facility	80	101	1,453	1,453	0
48	API ACT Canberra	Facility	14	7	225	225	0
49	API NSW Rockdale	Facility	56	13	858	858	0
50	API NSW St Leonards	Facility	26	14	437	437	0
51	API QLD Milton	Facility	39	16	635	635	0
52	API QLD Southport	Facility	21	16	373	373	0
53	API QLD Underwood	Facility	10	9	176	176	0
54	API SA Adelaide	Facility	16	6	258	258	0
55	API VIC Dandenong	Facility	8	12	153	153	0
56	API VIC Greensborough	Facility	12	13	224	224	0
57	API VIC Geelong	Facility	8	21	174	174	0
58	API VIC Heidelberg	Facility	29	31	515	515	0
59	API VIC Melbourne CBD	Facility	0	14	42	42	0
60	API VIC Moorabbin	Facility	24	14	381	381	0
61	API VIC Nunawading	Facility	11	11	193	193	0
62	API VIC Niddrie	Facility	23	9	366	366	0
63	API VIC Notting Hill	Facility	11	4	177	177	0
64	API WA Canning Vale	Facility	39	16	633	633	0

\* This facility is being reported on by a Group Member under Section 22X.



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## 1: GWA - QLD - WICKHAM ST HO - FACILITY

### Emissions from operation of facility - operational control

Name	GWA - QLD - Wickham St HO
Facility Street Address	Level 2 HQ South Tower Wickham Street FORTITUDE VALLEY Queensland 4006 AUSTRALIA
Geographic Coordinates	Latitude 27.453S / Longitude 153.029E
Facility location	None
Activity location	Queensland
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling

### Facility – operational control

GWA Group Ltd had operational control of the facility (GWA - QLD - Wickham St HO) for the whole of the 2012 - 2013 reporting year.

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of GWA Group Ltd

### Greenhouse Gas Emissions

Scope 1 (t CO <sub>2</sub> -e)	Scope 2 (t CO <sub>2</sub> -e)	Total of Scope 1 and Scope 2 (t CO <sub>2</sub> -e)
1	3	4

### Energy Produced and Energy Consumed

Energy Consumed Total (GJ)	Energy Consumed Net (GJ)	Energy Produced (GJ)
24	24	-

### Greenhouse Gas Scope 1 Emissions By Gas

Carbon Dioxide CO <sub>2</sub> (t CO <sub>2</sub> -e)	Methane CH <sub>4</sub> (t CO <sub>2</sub> -e)	Nitrous Oxide N <sub>2</sub> O (t CO <sub>2</sub> -e)	Perfluorocarbons PFCs (t CO <sub>2</sub> -e)	Hydro Fluoro Carbons HFCs (t CO <sub>2</sub> -e)	Sulphur Hexafluoride SF <sub>6</sub> (t CO <sub>2</sub> -e)	Total (t CO <sub>2</sub> -e)
1	-	-	-	-	-	1



## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	-	kL	34.20	13	66.7	CO2	Method 1	1
										0.6	CH4	Method 1	0
										2.3	N2O	Method 1	0
	Source Total	13								1			
	Total								13				

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	3,039	kWh	0.86	3
Total				3





### ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
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	combustion	A	-	KL	34.2	13
						Total	13

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	3,039	kWh	0.0036	11
						Total	11



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## 2: CAROMA INDUSTRIES LTD - GROUP MEMBER

<b>Name:</b>	<i>Caroma Industries Ltd</i>
Australian Business Number (ABN)	35000189499
Trading Name	GWA Bathroom & Kitchens
Trading Name	Not Required
Australian Registered Body Number (ARBN)	-
Australian Company Number (ACN)	-
Street address line 1	Level 2 Building C
Street address line 2	4 Ray Road
Street address line 3	-
Street city/suburb	EPPING
Street state	New South Wales
Street postcode	2121
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

<b>Scope 1 (t CO<sub>2</sub>-e)</b>	<b>Scope 2 (t CO<sub>2</sub>-e)</b>	<b>Total of Scope 1 and Scope 2 (t CO<sub>2</sub>-e)</b>
5,035	11,468	16,503

### Energy Produced and Energy Consumed

<b>Energy Consumed Total (GJ)</b>	<b>Energy Consumed Net (GJ)</b>	<b>Energy Produced (GJ)</b>
145,995	145,995	-

### Greenhouse Gas Scope 1 Emissions By Gas

<b>Carbon Dioxide CO<sub>2</sub> (t CO<sub>2</sub>-e)</b>	<b>Methane CH<sub>4</sub> (t CO<sub>2</sub>-e)</b>	<b>Nitrous Oxide N<sub>2</sub>O (t CO<sub>2</sub>-e)</b>	<b>Perfluorocarbons PFCs (t CO<sub>2</sub>-e)</b>	<b>Hydro Fluoro Carbons HFCs (t CO<sub>2</sub>-e)</b>	<b>Sulphur Hexafluoride SF<sub>6</sub> (t CO<sub>2</sub>-e)</b>	<b>Total (t CO<sub>2</sub>-e)</b>
4,997	14	24	-	-	-	5,035



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### **3: CAROMA DORF - NSW - WETHERILL PARK - FACILITY**

#### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>Caroma Dorf - NSW - Wetherill Park</i>
Facility Street Address	26-32 Walter Street WETHERILL PARK New South Wales 2164 AUSTRALIA
Geographic Coordinates	Latitude 33.845S / Longitude 150.910E
Facility location	None
Activity location	New South Wales
Location description	Wetherill Park Vitreous China Factory and Distribution Warehouse
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	Caroma Industries Ltd

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Caroma Industries Ltd

#### **Greenhouse Gas Emissions**

<b>Scope 1 (t CO<sub>2</sub>-e)</b>	<b>Scope 2 (t CO<sub>2</sub>-e)</b>	<b>Total of Scope 1 and Scope 2 (t CO<sub>2</sub>-e)</b>
4,312	6,833	11,145

#### **Energy Produced and Energy Consumed**

<b>Energy Consumed Total (GJ)</b>	<b>Energy Consumed Net (GJ)</b>	<b>Energy Produced (GJ)</b>
111,738	111,738	-

#### **Greenhouse Gas Scope 1 Emissions By Gas**

<b>Carbon Dioxide CO<sub>2</sub> (t CO<sub>2</sub>-e)</b>	<b>Methane CH<sub>4</sub> (t CO<sub>2</sub>-e)</b>	<b>Nitrous Oxide N<sub>2</sub>O (t CO<sub>2</sub>-e)</b>	<b>Perfluorocarbons PFCs (t CO<sub>2</sub>-e)</b>	<b>Hydro Fluoro Carbons HFCs (t CO<sub>2</sub>-e)</b>	<b>Sulphur Hexafluoride SF<sub>6</sub> (t CO<sub>2</sub>-e)</b>	<b>Total (t CO<sub>2</sub>-e)</b>
4,301	8	3	-	-	-	4,312



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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of gaseous fuels - Stationary energy purposes	Natural gas distributed in a pipeline	combustion	A	82,824	GJ	1.00	82,824	51.2	CO <sub>2</sub>	Method 1	4,241
										0.1	CH <sub>4</sub>	Method 1	8
										0.03	N <sub>2</sub> O	Method 1	2
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Stationary energy purposes	Diesel oil	combustion	A	3	kL	38.60	129	69.2	CO <sub>2</sub>	Method 1	9
										0.1	CH <sub>4</sub>	Method 1	0
										0.2	N <sub>2</sub> O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy	Emissions released from combustion of liquid fuels other	Liquefied petroleum gas	combustion	A	23	kL	25.70	589	59.6	CO <sub>2</sub>	Method 1	35
										0.1	CH <sub>4</sub>	Method 1	0
										0.2	N <sub>2</sub> O	Method 1	0

**SENSITIVE**



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Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
	purposes	than petroleum oils or greases - Stationary energy purposes											
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	7	kL	34.20	244	66.7	CO2	Method 1	16
										0.6	CH4	Method 1	0
										2.3	N2O	Method 1	1
	Source Total									83,786	4,312		
	Total								83,786				



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## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	7,764,551	kWh	0.88	6,833
Total				6,833

## ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
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	combustion	A	7	KL	34.2	244
						Total	244

## 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	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
Emissions released from combustion of gaseous fuels - Stationary energy purposes	Natural gas distributed in a pipeline	combustion	A	82,824	GJ	1	82,824



<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Emissions released from combustion of liquid fuels other than petroleum oils or greases - Stationary energy purposes	Diesel oil	combustion	A	3	kL	38.6	129
Emissions released from combustion of liquid fuels other than petroleum oils or greases - Stationary energy purposes	Liquefied petroleum gas	combustion	A	23	kL	25.7	589
						Total	83,542

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	7,764,551	kWh	0.0036	27,952
						Total	27,952





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#### 4: CAROMA DORF - NSW - REVESBY - FACILITY

##### Emissions from operation of facility - operational control

Name	Caroma Dorf - NSW - Revesby
Facility Street Address	194 Milperra Road REVESBY New South Wales 2212 AUSTRALIA
Geographic Coordinates	Latitude 33.932S / Longitude 151.001E
Facility location	None
Activity location	New South Wales
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	Caroma Industries Ltd
Number of days with Operational Control:	304
Operational Control Dates:	01/07/2012 - 30/04/2013

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Caroma Industries Ltd

##### Greenhouse Gas Emissions

Scope 1 (t CO <sub>2</sub> -e)	Scope 2 (t CO <sub>2</sub> -e)	Total of Scope 1 and Scope 2 (t CO <sub>2</sub> -e)
21	427	448

##### Energy Produced and Energy Consumed

Energy Consumed Total (GJ)	Energy Consumed Net (GJ)	Energy Produced (GJ)
2,092	2,092	-

##### Greenhouse Gas Scope 1 Emissions By Gas

Carbon Dioxide CO <sub>2</sub> (t CO <sub>2</sub> -e)	Methane CH <sub>4</sub> (t CO <sub>2</sub> -e)	Nitrous Oxide N <sub>2</sub> O (t CO <sub>2</sub> -e)	Perfluorocarbons PFCs (t CO <sub>2</sub> -e)	Hydro Fluoro Carbons HFCs (t CO <sub>2</sub> -e)	Sulphur Hexafluoride SF <sub>6</sub> (t CO <sub>2</sub> -e)	Total (t CO <sub>2</sub> -e)
21	-	-	-	-	-	21



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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Stationary energy purposes	Liquefied petroleum gas	combustion	A	9	kL	25.70	225	59.6	CO2	Method 1	13
										0.1	CH4	Method 1	0
										0.2	N2O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	4	kL	34.20	120	66.7	CO2	Method 1	8
										0.6	CH4	Method 1	0
										2.3	N2O	Method 1	0
	Source Total	345								21			
	Total								345				



Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	485,277	kWh	0.88	427
Total				427

## ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
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	combustion	A	4	kL	34.2	120
						Total	120



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

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Emissions released from combustion of liquid fuels other than petroleum oils or greases - Stationary energy purposes	Liquefied petroleum gas	combustion	A	9	kL	25.7	225
						Total	225

**ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION**

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	485,277	kWh	0.0036	1,747
						Total	1,747



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## **5: CAROMA DORF - QLD - EAGLE FARM - FACILITY**

### **Emissions from operation of facility - operational control**

Name	Caroma Dorf - QLD - Eagle Farm
Facility Street Address	7 Eagle View Place EAGLE FARM Queensland 4009 AUSTRALIA
Geographic Coordinates	Latitude 27.436S / Longitude 153.085E
Facility location	None
Activity location	Queensland
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	Caroma Industries Ltd

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Caroma Industries Ltd

### **Greenhouse Gas Emissions**

Scope 1 (t CO <sub>2</sub> -e)	Scope 2 (t CO <sub>2</sub> -e)	Total of Scope 1 and Scope 2 (t CO <sub>2</sub> -e)
135	305	440

### **Energy Produced and Energy Consumed**

Energy Consumed Total (GJ)	Energy Consumed Net (GJ)	Energy Produced (GJ)
3,231	3,231	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

Carbon Dioxide CO <sub>2</sub> (t CO <sub>2</sub> -e)	Methane CH <sub>4</sub> (t CO <sub>2</sub> -e)	Nitrous Oxide N <sub>2</sub> O (t CO <sub>2</sub> -e)	Perfluorocarbons PFCs (t CO <sub>2</sub> -e)	Hydro Fluoro Carbons HFCs (t CO <sub>2</sub> -e)	Sulphur Hexafluoride SF <sub>6</sub> (t CO <sub>2</sub> -e)	Total (t CO <sub>2</sub> -e)
130	1	4	-	-	-	135



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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Stationary energy purposes	Liquefied petroleum gas	combustion	A	-	kL	25.70	2	59.6	CO <sub>2</sub>	Method 1	0
										0.1	CH <sub>4</sub>	Method 1	0
										0.2	N <sub>2</sub> O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	2	kL	38.60	89	69.2	CO <sub>2</sub>	Method 1	6
										0.2	CH <sub>4</sub>	Method 1	0
										0.5	N <sub>2</sub> O	Method 1	0
Fuel combustion	Fuel combustion	Emissions released	Gasoline (other than	combustion	A	55	kL	34.20	1,865	66.7	CO <sub>2</sub>	Method 1	124



Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)
	- Stationary and Transport energy purposes	from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	for use as fuel in an aircraft) - Transport							0.6	CH <sub>4</sub>	Method 1	1
										2.3	N <sub>2</sub> O	Method 1	4
	Source Total								1,956	135			
	Total								1,956				

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	354,281	kWh	0.86	305
Total				305



### ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	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	2	kL	38.6	89
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	combustion	A	55	kL	34.2	1,865
						Total	1,954

### 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	Criteria	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	Liquefied petroleum gas	combustion	A	-	kL	25.7	2
						Total	2





### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	354,281	kWh	0.0036	1,275
						Total	1,275



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## **6: CAROMA DORF - SA - NORWOOD - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>Caroma Dorf - SA - Norwood</i>
<i>Facility Street Address</i>	76 Magill Road NORWOOD South Australia 5067 AUSTRALIA
<i>Geographic Coordinates</i>	Latitude 34.915S / Longitude 138.629E
<i>Facility location</i>	None
<i>Activity location</i>	South Australia
<i>Location description</i>	-
<i>Activity description</i>	-
<i>ANZSIC Code</i>	333 - Timber and hardware goods wholesaling
<i>Group Member with Operational Control</i>	Caroma Industries Ltd

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Caroma Industries Ltd

### **Greenhouse Gas Emissions**

<i>Scope 1 (t CO2-e)</i>	<i>Scope 2 (t CO2-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO2-e)</i>
75	3,079	3,154

### **Energy Produced and Energy Consumed**

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
18,757	18,757	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<i>Carbon Dioxide CO2 (t CO2-e)</i>	<i>Methane CH4 (t CO2-e)</i>	<i>Nitrous Oxide N2O (t CO2-e)</i>	<i>Perfluorocarbons PFCs (t CO2-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO2-e)</i>	<i>Sulphur Hexafluoride SF6 (t CO2-e)</i>	<i>Total (t CO2-e)</i>
72	1	2	-	-	-	75



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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of gaseous fuels - Stationary energy purposes	Natural gas distributed in a pipeline	combustion	A	190	GJ	1.00	190	51.2	CO <sub>2</sub>	Method 1	10
										0.1	CH <sub>4</sub>	Method 1	0
										0.03	N <sub>2</sub> O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Stationary energy purposes	Liquefied petroleum gas	combustion	A	4	kL	25.70	105	59.6	CO <sub>2</sub>	Method 1	6
										0.1	CH <sub>4</sub>	Method 1	0
										0.2	N <sub>2</sub> O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy	Emissions released from combustion of liquid fuels other	Gasoline (other than for use as fuel in an aircraft) - Transport	combustion	A	24	kL	34.20	838	66.7	CO <sub>2</sub>	Method 1	56
										0.6	CH <sub>4</sub>	Method 1	1
										2.3	N <sub>2</sub> O	Method 1	2



Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)
	purposes	than petroleum oils or greases - Transport energy purposes											
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of petroleum based oils or greases	Petroleum based oils (other than petroleum based oil used as fuel)	combustion	A	15	KL	38.80	570	-	CO <sub>2</sub>	Other Method	0
	Source Total								1,703				75
	Total								1,703				

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	4,737,346	kWh	0.65	3,079
Total				3,079



### ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
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	combustion	A	24	kL	34.2	838
						Total	838

### 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	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
Emissions released from combustion of gaseous fuels - Stationary energy purposes	Natural gas distributed in a pipeline	combustion	A	190	GJ	1	190
Emissions released from combustion of liquid fuels other than petroleum oils or greases - Stationary energy purposes	Liquefied petroleum gas	combustion	A	4	kL	25.7	105
Emissions released from combustion of petroleum based oils	Petroleum based oils (other than petroleum based oil used as	combustion	A	15	kL	38.8	570



Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
or greases	fuel)						
						Total	865

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	4,737,346	kWh	0.0036	17,054
						Total	17,054

### INCIDENTAL EMISSIONS

This Report contains greenhouse gas emissions and energy information from facilities that is incidental to the operation of the facility and reported in accordance with NGER Regulation 4.27. The measurement of the production of energy from these sources using another method or criteria in the NGER Determination would cause the corporation significant hardship or expense.

### INCIDENTAL EMISSIONS AND ENERGY

The following tables summarise total greenhouse gas emissions from operation of this facility during the reporting period



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### Greenhouse Gas Emissions

Scope 1 (t CO2-e)	Scope 2 (t CO2-e)	Total of Scope 1 and Scope 2 (t CO2-e)
-	-	-

### Energy Produced and Energy Consumed

Energy Consumed Total (GJ)	Energy Consumed Net (GJ)	Energy Produced (GJ)
-	-	-

### Greenhouse Gas Scope 1 Emissions By Gas

Carbon Dioxide CO2 (t CO2-e)	Methane CH4 (t CO2-e)	Nitrous Oxide N2O (t CO2-e)	Perfluorocarbons PFCs (t CO2-e)	Hydro Fluoro Carbons HFCs (t CO2-e)	Sulphur Hexafluoride SF6 (t CO2-e)	Total (t CO2-e)
-	-	-	-	-	-	-

### INCIDENTAL EMISSIONS

Source of Emissions	Activity Type	Fuel Type Or Energy Commodity	Criterion	Gases	Scope 1 Incidental Emissions (t CO2-e)
Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of petroleum based oils or greases	Petroleum based oils (other than petroleum based oil used as fuel)	A	CO2	-
Total:					-



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## **7: CAROMA DORF - NSW - EPPING - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>Caroma Dorf - NSW - Epping</i>
Facility Street Address	Level 2 Building C 4 Ray Road EPPING New South Wales 2121 AUSTRALIA
Geographic Coordinates	Latitude 33.933S / Longitude 151.001E
Facility location	None
Activity location	New South Wales
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	Caroma Industries Ltd
Number of days with Operational Control:	207
Operational Control Dates:	01/07/2012 - 23/01/2013

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Caroma Industries Ltd

### **Greenhouse Gas Emissions**

<b>Scope 1 (t CO<sub>2</sub>-e)</b>	<b>Scope 2 (t CO<sub>2</sub>-e)</b>	<b>Total of Scope 1 and Scope 2 (t CO<sub>2</sub>-e)</b>
138	183	321

### **Energy Produced and Energy Consumed**

<b>Energy Consumed Total (GJ)</b>	<b>Energy Consumed Net (GJ)</b>	<b>Energy Produced (GJ)</b>
2,721	2,721	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<b>Carbon Dioxide CO<sub>2</sub> (t CO<sub>2</sub>-e)</b>	<b>Methane CH<sub>4</sub> (t CO<sub>2</sub>-e)</b>	<b>Nitrous Oxide N<sub>2</sub>O (t CO<sub>2</sub>-e)</b>	<b>Perfluorocarbons PFCs (t CO<sub>2</sub>-e)</b>	<b>Hydro Fluoro Carbons HFCs (t CO<sub>2</sub>-e)</b>	<b>Sulphur Hexafluoride SF<sub>6</sub> (t CO<sub>2</sub>-e)</b>	<b>Total (t CO<sub>2</sub>-e)</b>
132	1	5	-	-	-	138





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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	58	kL	34.20	1,973	66.7	CO2	Method 1	132
										0.6	CH4	Method 1	1
										2.3	N2O	Method 1	5
	Source Total									1,973	138		
	Total								1,973				

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	207,744	kWh	0.88	183
Total				183



### ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
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	combustion	A	58	kL	34.2	1,973
						Total	1,973

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	207,744	kWh	0.0036	748
						Total	748



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## **8: CAROMA DORF - VIC - PASCOE VALE - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>Caroma Dorf - VIC - Pascoe Vale</i>
<i>Facility Street Address</i>	125 Sussex Street PASCOE VALE Victoria 3044 AUSTRALIA
<i>Geographic Coordinates</i>	Latitude 37.835S / Longitude 144.962E
<i>Facility location</i>	None
<i>Activity location</i>	Victoria
<i>Location description</i>	-
<i>Activity description</i>	-
<i>ANZSIC Code</i>	333 - Timber and hardware goods wholesaling
<i>Group Member with Operational Control</i>	Caroma Industries Ltd

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Caroma Industries Ltd

### **Greenhouse Gas Emissions**

<i>Scope 1 (t CO2-e)</i>	<i>Scope 2 (t CO2-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO2-e)</i>
4	168	172

### **Energy Produced and Energy Consumed**

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
567	567	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<i>Carbon Dioxide CO2 (t CO2-e)</i>	<i>Methane CH4 (t CO2-e)</i>	<i>Nitrous Oxide N2O (t CO2-e)</i>	<i>Perfluorocarbons PFCs (t CO2-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO2-e)</i>	<i>Sulphur Hexafluoride SF6 (t CO2-e)</i>	<i>Total (t CO2-e)</i>
4	-	-	-	-	-	4



## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	2	kL	34.20	59	66.7	CO2	Method 1	4
										0.6	CH4	Method 1	0
										2.3	N2O	Method 1	0
	Source Total									59	4		
	Total								59				

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	141,226	kWh	1.19	168
Total				168



### ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
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	combustion	A	2	KL	34.2	59
						Total	59

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	141,226	kWh	0.0036	508
						Total	508



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## **9: CAROMA DORF - WA - OSBORNE PARK - FACILITY**

### **Emissions from operation of facility - operational control**

Name	Caroma Dorf - WA - Osborne Park
Facility Street Address	39 King Edward Road OSBORNE PARK Western Australia 6017 AUSTRALIA
Geographic Coordinates	Latitude 31.899S / Longitude 115.808E
Facility location	None
Activity location	Western Australia
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	Caroma Industries Ltd

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Caroma Industries Ltd

### **Greenhouse Gas Emissions**

Scope 1 (t CO2-e)	Scope 2 (t CO2-e)	Total of Scope 1 and Scope 2 (t CO2-e)
77	142	219

### **Energy Produced and Energy Consumed**

Energy Consumed Total (GJ)	Energy Consumed Net (GJ)	Energy Produced (GJ)
1,759	1,759	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

Carbon Dioxide CO2 (t CO2-e)	Methane CH4 (t CO2-e)	Nitrous Oxide N2O (t CO2-e)	Perfluorocarbons PFCs (t CO2-e)	Hydro Fluoro Carbons HFCs (t CO2-e)	Sulphur Hexafluoride SF6 (t CO2-e)	Total (t CO2-e)
74	1	2	-	-	-	77



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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Stationary energy purposes	Liquefied petroleum gas	combustion	A	8	kL	25.70	217	59.6	CO2	Method 1	13
										0.1	CH4	Method 1	0
										0.2	N2O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	27	kL	34.20	918	66.7	CO2	Method 1	61
										0.6	CH4	Method 1	1
										2.3	N2O	Method 1	2
	Source Total	1,135								77			
	Total								1,135				



Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	173,330	kWh	0.82	142
Total				142

## ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
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	combustion	A	27	kL	34.2	918
						Total	918





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

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Emissions released from combustion of liquid fuels other than petroleum oils or greases - Stationary energy purposes	Liquefied petroleum gas	combustion	A	8	kL	25.7	217
						Total	217

**ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION**

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	173,330	kWh	0.0036	624
						Total	624



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## **10: CAROMA DORF - SA - GLYNDE - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>Caroma Dorf - SA - Glynde</i>
Facility Street Address	65 Glynburn Road GLYNDE South Australia 5070 AUSTRALIA
Geographic Coordinates	Latitude 34.000S / Longitude 138.000E
Facility location	None
Activity location	South Australia
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	Caroma Industries Ltd
Number of days with Operational Control:	154
Operational Control Dates:	01/07/2012 - 01/12/2012

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Caroma Industries Ltd

### **Greenhouse Gas Emissions**

<i>Scope 1 (t CO2-e)</i>	<i>Scope 2 (t CO2-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO2-e)</i>
-	3	3

### **Energy Produced and Energy Consumed**

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
17	17	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<i>Carbon Dioxide CO2 (t CO2-e)</i>	<i>Methane CH4 (t CO2-e)</i>	<i>Nitrous Oxide N2O (t CO2-e)</i>	<i>Perfluorocarbons PFCs (t CO2-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO2-e)</i>	<i>Sulphur Hexafluoride SF6 (t CO2-e)</i>	<i>Total (t CO2-e)</i>
-	-	-	-	-	-	-



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## SCOPE 2 EMISSIONS

<i>Activity Type</i>	<i>Amount</i>	<i>Units</i>	<i>Emission Factor (kg CO<sub>2</sub>-e / unit)</i>	<i>Scope 2 Emissions (t CO<sub>2</sub>-e)</i>
Purchase of electricity from main electricity grid in a State or Territory	4,831	kWh	0.65	3
Total				3

## ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	4,831	kWh	0.0036	17
						Total	17



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## **11: CAROMA DORF - TAS - LAUNCESTON - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>Caroma Dorf - TAS - Launceston</i>
<i>Facility Street Address</i>	22/34 Innocent Street KINGS MEADOWS Tasmania 7249 AUSTRALIA
<i>Geographic Coordinates</i>	Latitude 41.463S / Longitude 147.162E
<i>Facility location</i>	None
<i>Activity location</i>	Tasmania
<i>Location description</i>	-
<i>Activity description</i>	-
<i>ANZSIC Code</i>	333 - Timber and hardware goods wholesaling
<i>Group Member with Operational Control</i>	Caroma Industries Ltd

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Caroma Industries Ltd

### **Greenhouse Gas Emissions**

<b>Scope 1 (t CO<sub>2</sub>-e)</b>	<b>Scope 2 (t CO<sub>2</sub>-e)</b>	<b>Total of Scope 1 and Scope 2 (t CO<sub>2</sub>-e)</b>
2	9	11

### **Energy Produced and Energy Consumed**

<b>Energy Consumed Total (GJ)</b>	<b>Energy Consumed Net (GJ)</b>	<b>Energy Produced (GJ)</b>
144	144	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<b>Carbon Dioxide CO<sub>2</sub> (t CO<sub>2</sub>-e)</b>	<b>Methane CH<sub>4</sub> (t CO<sub>2</sub>-e)</b>	<b>Nitrous Oxide N<sub>2</sub>O (t CO<sub>2</sub>-e)</b>	<b>Perfluorocarbons PFCs (t CO<sub>2</sub>-e)</b>	<b>Hydro Fluoro Carbons HFCs (t CO<sub>2</sub>-e)</b>	<b>Sulphur Hexafluoride SF<sub>6</sub> (t CO<sub>2</sub>-e)</b>	<b>Total (t CO<sub>2</sub>-e)</b>
2	-	-	-	-	-	2



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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Stationary energy purposes	Liquefied petroleum gas	combustion	A	-	kL	25.70	12	59.6	CO2	Method 1	1
										0.1	CH4	Method 1	0
										0.2	N2O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	-	kL	34.20	13	66.7	CO2	Method 1	1
										0.6	CH4	Method 1	0
										2.3	N2O	Method 1	0
	Source Total								25				2
	Total								25				



## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	33,017	kWh	0.26	9
Total				9

## ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
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	combustion	A	-	kL	34.2	13
						Total	13

## 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	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
Emissions released from combustion of liquid fuels other	Liquefied petroleum gas	combustion	A	-	kL	25.7	12



<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
than petroleum oils or greases - Stationary energy purposes							
						Total	12

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	33,017	kWh	0.0036	119
						Total	119



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## **12: CAROMA DORF - VIC - SOUTH MELBOURNE - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>Caroma Dorf - VIC - South Melbourne</i>
<i>Facility Street Address</i>	222 Park Street SOUTH MELBOURNE Victoria 3205 AUSTRALIA
<i>Geographic Coordinates</i>	Latitude 37.835S / Longitude 144.962E
<i>Facility location</i>	None
<i>Activity location</i>	Victoria
<i>Location description</i>	-
<i>Activity description</i>	-
<i>ANZSIC Code</i>	333 - Timber and hardware goods wholesaling
<i>Group Member with Operational Control</i>	Caroma Industries Ltd

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Caroma Industries Ltd

### **Greenhouse Gas Emissions**

<b>Scope 1 (t CO<sub>2</sub>-e)</b>	<b>Scope 2 (t CO<sub>2</sub>-e)</b>	<b>Total of Scope 1 and Scope 2 (t CO<sub>2</sub>-e)</b>
130	231	361

### **Energy Produced and Energy Consumed**

<b>Energy Consumed Total (GJ)</b>	<b>Energy Consumed Net (GJ)</b>	<b>Energy Produced (GJ)</b>
2,571	2,571	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<b>Carbon Dioxide CO<sub>2</sub> (t CO<sub>2</sub>-e)</b>	<b>Methane CH<sub>4</sub> (t CO<sub>2</sub>-e)</b>	<b>Nitrous Oxide N<sub>2</sub>O (t CO<sub>2</sub>-e)</b>	<b>Perfluorocarbons PFCs (t CO<sub>2</sub>-e)</b>	<b>Hydro Fluoro Carbons HFCs (t CO<sub>2</sub>-e)</b>	<b>Sulphur Hexafluoride SF<sub>6</sub> (t CO<sub>2</sub>-e)</b>	<b>Total (t CO<sub>2</sub>-e)</b>
125	1	4	-	-	-	130





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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	5	kL	38.60	202	69.2	CO2	Method 1	14
										0.2	CH4	Method 1	0
										0.5	N2O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	49	kL	34.20	1,671	66.7	CO2	Method 1	111
										0.6	CH4	Method 1	1
										2.3	N2O	Method 1	4
	Source Total	1,873								130			
	Total								1,873				



Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	193,791	kWh	1.19	231
Total				231

## ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	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	5	kL	38.6	202
Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy	Gasoline (other than for use as fuel in an aircraft) - Transport	combustion	A	49	kL	34.2	1,671



<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
purposes							
						Total	1,873

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	193,791	kWh	0.0036	698
						Total	698



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### 13: CAROMA DORF - NSW - HEXHAM PLACE - FACILITY

#### Emissions from operation of facility - operational control

Name	Caroma Dorf - NSW - Hexham Place
Facility Street Address	9 Hexham Place Wetherill Park Wetherill Park New South Wales 2164 AUSTRALIA
Geographic Coordinates	Latitude 33.840S / Longitude 150.889E
Facility location	None
Activity location	New South Wales
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	Caroma Industries Ltd
Number of days with Operational Control:	122
Operational Control Dates:	01/03/2013 - 30/06/2013

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Caroma Industries Ltd

#### Greenhouse Gas Emissions

Scope 1 (t CO <sub>2</sub> -e)	Scope 2 (t CO <sub>2</sub> -e)	Total of Scope 1 and Scope 2 (t CO <sub>2</sub> -e)
1	-	1

#### Energy Produced and Energy Consumed

Energy Consumed Total (GJ)	Energy Consumed Net (GJ)	Energy Produced (GJ)
14	14	-

#### Greenhouse Gas Scope 1 Emissions By Gas

Carbon Dioxide CO <sub>2</sub> (t CO <sub>2</sub> -e)	Methane CH <sub>4</sub> (t CO <sub>2</sub> -e)	Nitrous Oxide N <sub>2</sub> O (t CO <sub>2</sub> -e)	Perfluorocarbons PFCs (t CO <sub>2</sub> -e)	Hydro Fluoro Carbons HFCs (t CO <sub>2</sub> -e)	Sulphur Hexafluoride SF <sub>6</sub> (t CO <sub>2</sub> -e)	Total (t CO <sub>2</sub> -e)
1	-	-	-	-	-	1



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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Stationary energy purposes	Liquefied petroleum gas	combustion	A	1	kL	25.70	14	59.6	CO2	Method 1	1
										0.1	CH4	Method 1	0
										0.2	N2O	Method 1	0
	Source Total									14	1		
	Total								14				

## 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	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
Emissions released from combustion of liquid fuels other than petroleum oils or greases -	Liquefied petroleum gas	combustion	A	1	kL	25.7	14



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<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Stationary energy purposes							
						Total	14



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## **14: CAROMA DORF - NSW - BELLA VISTA - FACILITY**

### **Emissions from operation of facility - operational control**

Name	Caroma Dorf - NSW - Bella Vista
Facility Street Address	7-9 Irvine Place Bella Vista New South Wales 2153 AUSTRALIA
Geographic Coordinates	Latitude 33.738S / Longitude 150.948E
Facility location	None
Activity location	New South Wales
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	Caroma Industries Ltd
Number of days with Operational Control:	181
Operational Control Dates:	01/01/2013 - 30/06/2013

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Caroma Industries Ltd

### **Greenhouse Gas Emissions**

<b>Scope 1 (t CO<sub>2</sub>-e)</b>	<b>Scope 2 (t CO<sub>2</sub>-e)</b>	<b>Total of Scope 1 and Scope 2 (t CO<sub>2</sub>-e)</b>
140	88	228

### **Energy Produced and Energy Consumed**

<b>Energy Consumed Total (GJ)</b>	<b>Energy Consumed Net (GJ)</b>	<b>Energy Produced (GJ)</b>
2,384	2,384	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<b>Carbon Dioxide CO<sub>2</sub> (t CO<sub>2</sub>-e)</b>	<b>Methane CH<sub>4</sub> (t CO<sub>2</sub>-e)</b>	<b>Nitrous Oxide N<sub>2</sub>O (t CO<sub>2</sub>-e)</b>	<b>Perfluorocarbons PFCs (t CO<sub>2</sub>-e)</b>	<b>Hydro Fluoro Carbons HFCs (t CO<sub>2</sub>-e)</b>	<b>Sulphur Hexafluoride SF<sub>6</sub> (t CO<sub>2</sub>-e)</b>	<b>Total (t CO<sub>2</sub>-e)</b>
135	1	4	-	-	-	140



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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	5	kL	38.60	180	69.2	CO2	Method 1	12
										0.2	CH4	Method 1	0
										0.5	N2O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	54	kL	34.20	1,842	66.7	CO2	Method 1	123
										0.6	CH4	Method 1	1
										2.3	N2O	Method 1	4
	Source Total	2,022								140			
	Total								2,022				





Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	100,511	kWh	0.88	88
Total				88

## ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	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	5	kL	38.6	180
Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy	Gasoline (other than for use as fuel in an aircraft) - Transport	combustion	A	54	kL	34.2	1,842



<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
purposes							
						Total	2,022

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	100,511	kWh	0.0036	362
						Total	362



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## **15: DUX MANUFACTURING LTD - GROUP MEMBER**

<b>Name:</b>	<i>Dux Manufacturing Ltd</i>
Australian Business Number (ABN)	19077879844
Trading Name	GWA Heting & Cooling
Australian Registered Body Number (ARBN)	-
Australian Company Number (ACN)	-
Street address line 1	Lackey Road
Street address line 2	-
Street address line 3	-
Street city/suburb	MOSS VALE
Street state	New South Wales
Street postcode	2577
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**

<b>Scope 1 (t CO<sub>2</sub>-e)</b>	<b>Scope 2 (t CO<sub>2</sub>-e)</b>	<b>Total of Scope 1 and Scope 2 (t CO<sub>2</sub>-e)</b>
2,259	3,824	6,083

### **Energy Produced and Energy Consumed**

<b>Energy Consumed Total (GJ)</b>	<b>Energy Consumed Net (GJ)</b>	<b>Energy Produced (GJ)</b>
47,606	47,606	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<b>Carbon Dioxide CO<sub>2</sub> (t CO<sub>2</sub>-e)</b>	<b>Methane CH<sub>4</sub> (t CO<sub>2</sub>-e)</b>	<b>Nitrous Oxide N<sub>2</sub>O (t CO<sub>2</sub>-e)</b>	<b>Perfluorocarbons PFCs (t CO<sub>2</sub>-e)</b>	<b>Hydro Fluoro Carbons HFCs (t CO<sub>2</sub>-e)</b>	<b>Sulphur Hexafluoride SF<sub>6</sub> (t CO<sub>2</sub>-e)</b>	<b>Total (t CO<sub>2</sub>-e)</b>
1,716	4	7	-	532	-	2,259



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## **16: DUX - NSW - MOSS VALE - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>Dux - NSW - Moss Vale</i>
Facility Street Address	Collins Road MOSS VALE New South Wales 2577 AUSTRALIA
Geographic Coordinates	Latitude 34.524S / Longitude 150.377E
Facility location	None
Activity location	New South Wales
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	Dux Manufacturing Ltd

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Dux Manufacturing Ltd

### **Greenhouse Gas Emissions**

<b>Scope 1 (t CO2-e)</b>	<b>Scope 2 (t CO2-e)</b>	<b>Total of Scope 1 and Scope 2 (t CO2-e)</b>
2,099	3,740	5,839

### **Energy Produced and Energy Consumed**

<b>Energy Consumed Total (GJ)</b>	<b>Energy Consumed Net (GJ)</b>	<b>Energy Produced (GJ)</b>
45,009	45,009	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<b>Carbon Dioxide CO2 (t CO2-e)</b>	<b>Methane CH4 (t CO2-e)</b>	<b>Nitrous Oxide N2O (t CO2-e)</b>	<b>Perfluorocarbons PFCs (t CO2-e)</b>	<b>Hydro Fluoro Carbons HFCs (t CO2-e)</b>	<b>Sulphur Hexafluoride SF6 (t CO2-e)</b>	<b>Total (t CO2-e)</b>
1,559	4	4	-	532	-	2,099



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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of gaseous fuels - Stationary energy purposes	Natural gas distributed in a pipeline	combustion	A	26,748	GJ	1.00	26,748	51.2	CO <sub>2</sub>	Method 1	1,369
										0.1	CH <sub>4</sub>	Method 1	3
										0.03	N <sub>2</sub> O	Method 1	1
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Stationary energy purposes	Diesel oil	combustion	A	1	kL	38.60	39	69.2	CO <sub>2</sub>	Method 1	3
										0.1	CH <sub>4</sub>	Method 1	0
										0.2	N <sub>2</sub> O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Stationary energy purposes	Liquefied petroleum gas	combustion	A	47	kL	25.70	1,208	59.6	CO <sub>2</sub>	Method 1	72
										0.1	CH <sub>4</sub>	Method 1	0
										0.2	N <sub>2</sub> O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other	Diesel oil - Transport	combustion	A	11	kL	38.60	423	69.2	CO <sub>2</sub>	Method 1	29
										0.2	CH <sub>4</sub>	Method 1	0



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Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
		than petroleum oils or greases - Transport energy purposes								0.5	N2O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	38	kL	34.20	1,290	66.7	CO2	Method 1	86
										0.6	CH4	Method 1	1
										2.3	N2O	Method 1	3
	Source Total29,708									1,567			
Industrial processes	Emissions of hydrofluorocarbons and sulphur hexafluoride gases	Emissions of hydrofluorocarbons from industrial refrigeration	-	-	-	-	-	-	-	-	HFCs	Method 3	532
	Source Total-									532			
	Total								29,708				



## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	4,250,382	kWh	0.88	3,740
Total				3,740

## ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	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	11	kL	38.6	423
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	combustion	A	38	kL	34.2	1,290
						Total	1,713





### 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	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
Emissions released from combustion of gaseous fuels - Stationary energy purposes	Natural gas distributed in a pipeline	combustion	A	26,748	GJ	1	26,748
Emissions released from combustion of liquid fuels other than petroleum oils or greases - Stationary energy purposes	Diesel oil	combustion	A	1	kL	38.6	39
Emissions released from combustion of liquid fuels other than petroleum oils or greases - Stationary energy purposes	Liquefied petroleum gas	combustion	A	47	kL	25.7	1,208
						Total	27,995

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
Purchase of electricity from main electricity grid	-	-	-	4,250,382	kWh	0.0036	15,301



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<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
in a State or Territory							
						Total	15,301



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## **17: DUX - VIC - CLAYTON NORTH - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>Dux - VIC - Clayton North</i>
Facility Street Address	1/20 Duerdin Street CLAYTON Victoria 3168 AUSTRALIA
Geographic Coordinates	Latitude 37.019S / Longitude 145.142E
Facility location	None
Activity location	Victoria
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	Dux Manufacturing Ltd

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Dux Manufacturing Ltd

### **Greenhouse Gas Emissions**

<b>Scope 1 (t CO<sub>2</sub>-e)</b>	<b>Scope 2 (t CO<sub>2</sub>-e)</b>	<b>Total of Scope 1 and Scope 2 (t CO<sub>2</sub>-e)</b>
65	51	116

### **Energy Produced and Energy Consumed**

<b>Energy Consumed Total (GJ)</b>	<b>Energy Consumed Net (GJ)</b>	<b>Energy Produced (GJ)</b>
1,088	1,088	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<b>Carbon Dioxide CO<sub>2</sub> (t CO<sub>2</sub>-e)</b>	<b>Methane CH<sub>4</sub> (t CO<sub>2</sub>-e)</b>	<b>Nitrous Oxide N<sub>2</sub>O (t CO<sub>2</sub>-e)</b>	<b>Perfluorocarbons PFCs (t CO<sub>2</sub>-e)</b>	<b>Hydro Fluoro Carbons HFCs (t CO<sub>2</sub>-e)</b>	<b>Sulphur Hexafluoride SF<sub>6</sub> (t CO<sub>2</sub>-e)</b>	<b>Total (t CO<sub>2</sub>-e)</b>
64	-	1	-	-	-	65



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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	13	kL	38.60	485	69.2	CO2	Method 1	34
										0.2	CH4	Method 1	0
										0.5	N2O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	13	kL	34.20	449	66.7	CO2	Method 1	30
										0.6	CH4	Method 1	0
										2.3	N2O	Method 1	1
	Source Total	934								65			
	Total								934				



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Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	42,730	kWh	1.19	51
Total				51

## ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	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	13	kL	38.6	485
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	combustion	A	13	kL	34.2	449



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<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
						Total	934

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	42,730	kWh	0.0036	154
						Total	154



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## 18: DUX - NSW - NEWINGTON - FACILITY

### Emissions from operation of facility - operational control

<i>Name</i>	<i>Dux - NSW - Newington</i>
Facility Street Address	Unit 19/4 Avenue of the Americas NEWINGTON New South Wales 2127 AUSTRALIA
Geographic Coordinates	Latitude 33.834S / Longitude 151.054E
Facility location	None
Activity location	New South Wales
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	Dux Manufacturing Ltd
Number of days with Operational Control:	243
Operational Control Dates:	01/07/2012 - 28/02/2013

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Dux Manufacturing Ltd

### Greenhouse Gas Emissions

<i>Scope 1 (t CO<sub>2</sub>-e)</i>	<i>Scope 2 (t CO<sub>2</sub>-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO<sub>2</sub>-e)</i>
48	33	81

### Energy Produced and Energy Consumed

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
832	832	-

### Greenhouse Gas Scope 1 Emissions By Gas

<i>Carbon Dioxide CO<sub>2</sub> (t CO<sub>2</sub>-e)</i>	<i>Methane CH<sub>4</sub> (t CO<sub>2</sub>-e)</i>	<i>Nitrous Oxide N<sub>2</sub>O (t CO<sub>2</sub>-e)</i>	<i>Perfluorocarbons PFCs (t CO<sub>2</sub>-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO<sub>2</sub>-e)</i>	<i>Sulphur Hexafluoride SF<sub>6</sub> (t CO<sub>2</sub>-e)</i>	<i>Total (t CO<sub>2</sub>-e)</i>
47	-	1	-	-	-	48



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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	7	kL	38.60	256	69.2	CO2	Method 1	18
										0.2	CH4	Method 1	0
										0.5	N2O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	13	kL	34.20	442	66.7	CO2	Method 1	29
										0.6	CH4	Method 1	0
										2.3	N2O	Method 1	1
	Source Total	698								48			
	Total								698				





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Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	37,265	kWh	0.88	33
Total				33

## ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	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	7	kL	38.6	256
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	combustion	A	13	kL	34.2	442



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<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
						Total	698

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	37,265	kWh	0.0036	134
						Total	134



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## 19: DUX - QLD - WACOL - FACILITY

### Emissions from operation of facility - operational control

<i>Name</i>	<i>Dux - QLD - Wacol</i>
Facility Street Address	739 Progress Road WACOL Queensland 4076 AUSTRALIA
Geographic Coordinates	Latitude 27.590S / Longitude 152.929E
Facility location	None
Activity location	Queensland
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	Dux Manufacturing Ltd
Number of days with Operational Control:	244
Operational Control Dates:	01/07/2012 - 01/03/2013

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Dux Manufacturing Ltd

### Greenhouse Gas Emissions

<i>Scope 1 (t CO2-e)</i>	<i>Scope 2 (t CO2-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO2-e)</i>
36	-	36

### Energy Produced and Energy Consumed

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
512	512	-

### Greenhouse Gas Scope 1 Emissions By Gas

<i>Carbon Dioxide CO2 (t CO2-e)</i>	<i>Methane CH4 (t CO2-e)</i>	<i>Nitrous Oxide N2O (t CO2-e)</i>	<i>Perfluorocarbons PFCs (t CO2-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO2-e)</i>	<i>Sulphur Hexafluoride SF6 (t CO2-e)</i>	<i>Total (t CO2-e)</i>
35	-	1	-	-	-	36



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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	4	KL	38.60	139	69.2	CO2	Method 1	10
										0.2	CH4	Method 1	0
										0.5	N2O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	11	KL	34.20	373	66.7	CO2	Method 1	25
										0.6	CH4	Method 1	0
										2.3	N2O	Method 1	1
	Source Total								512				36
	Total								512				



Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)

### ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	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	4	kL	38.6	139
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	combustion	A	11	kL	34.2	373
						Total	512



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## **20: DUX - SA - KENT TOWN - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>Dux - SA - Kent Town</i>
Facility Street Address	Level 1 43 Fullarton Road KENT TOWN South Australia 5071 AUSTRALIA
Geographic Coordinates	Latitude 34.921S / Longitude 138.623E
Facility location	None
Activity location	South Australia
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	Dux Manufacturing Ltd
Number of days with Operational Control:	154
Operational Control Dates:	01/07/2012 - 01/12/2012

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Dux Manufacturing Ltd

### **Greenhouse Gas Emissions**

<i>Scope 1 (t CO<sub>2</sub>-e)</i>	<i>Scope 2 (t CO<sub>2</sub>-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO<sub>2</sub>-e)</i>
11	-	11

### **Energy Produced and Energy Consumed**

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
165	165	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<i>Carbon Dioxide CO<sub>2</sub> (t CO<sub>2</sub>-e)</i>	<i>Methane CH<sub>4</sub> (t CO<sub>2</sub>-e)</i>	<i>Nitrous Oxide N<sub>2</sub>O (t CO<sub>2</sub>-e)</i>	<i>Perfluorocarbons PFCs (t CO<sub>2</sub>-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO<sub>2</sub>-e)</i>	<i>Sulphur Hexafluoride SF<sub>6</sub> (t CO<sub>2</sub>-e)</i>	<i>Total (t CO<sub>2</sub>-e)</i>
11	-	-	-	-	-	11



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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	1	kL	38.60	48	69.2	CO2	Method 1	3
										0.2	CH4	Method 1	0
										0.5	N2O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	3	kL	34.20	117	66.7	CO2	Method 1	8
										0.6	CH4	Method 1	0
										2.3	N2O	Method 1	0
	Source Total	165								11			
	Total								165				



Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)

### ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	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	1	kL	38.6	48
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	combustion	A	3	kL	34.2	117
						Total	165





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## **21: GLIDEROL INTERNATIONAL PTY LTD - GROUP MEMBER**

<b>Name:</b>	<i>Gliderol International Pty Ltd</i>
Australian Business Number (ABN)	92007928949
Trading Name	-
Australian Company Number (ACN)	-
Australian Registered Body Number (ARBN)	-
Street address line 1	32 Jacobsen Crescent
Street address line 2	-
Street address line 3	-
Street city/suburb	HOLDEN HILL
Street state	South Australia
Street postcode	5088
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**

<b>Scope 1 (t CO2-e)</b>	<b>Scope 2 (t CO2-e)</b>	<b>Total of Scope 1 and Scope 2 (t CO2-e)</b>
670	891	1,561

### **Energy Produced and Energy Consumed**

<b>Energy Consumed Total (GJ)</b>	<b>Energy Consumed Net (GJ)</b>	<b>Energy Produced (GJ)</b>
14,263	14,263	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<b>Carbon Dioxide CO2 (t CO2-e)</b>	<b>Methane CH4 (t CO2-e)</b>	<b>Nitrous Oxide N2O (t CO2-e)</b>	<b>Perfluorocarbons PFCs (t CO2-e)</b>	<b>Hydro Fluoro Carbons HFCs (t CO2-e)</b>	<b>Sulphur Hexafluoride SF6 (t CO2-e)</b>	<b>Total (t CO2-e)</b>
658	1	11	-	-	-	670



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## **22: GLIDEROL SMITHFIELD - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>Gliderol Smithfield</i>
Facility Street Address	45 Sammut Street SMITHFIELD New South Wales 2164 AUSTRALIA
Geographic Coordinates	Latitude 33.838S / Longitude 150.930E
Facility location	None
Activity location	New South Wales
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	Gliderol International Pty Ltd

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Gliderol International Pty Ltd

### **Greenhouse Gas Emissions**

<b>Scope 1 (t CO<sub>2</sub>-e)</b>	<b>Scope 2 (t CO<sub>2</sub>-e)</b>	<b>Total of Scope 1 and Scope 2 (t CO<sub>2</sub>-e)</b>
181	220	401

### **Energy Produced and Energy Consumed**

<b>Energy Consumed Total (GJ)</b>	<b>Energy Consumed Net (GJ)</b>	<b>Energy Produced (GJ)</b>
3,652	3,652	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<b>Carbon Dioxide CO<sub>2</sub> (t CO<sub>2</sub>-e)</b>	<b>Methane CH<sub>4</sub> (t CO<sub>2</sub>-e)</b>	<b>Nitrous Oxide N<sub>2</sub>O (t CO<sub>2</sub>-e)</b>	<b>Perfluorocarbons PFCs (t CO<sub>2</sub>-e)</b>	<b>Hydro Fluoro Carbons HFCs (t CO<sub>2</sub>-e)</b>	<b>Sulphur Hexafluoride SF<sub>6</sub> (t CO<sub>2</sub>-e)</b>	<b>Total (t CO<sub>2</sub>-e)</b>
179	-	2	-	-	-	181



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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Stationary energy purposes	Liquefied petroleum gas	combustion	A	9	kL	25.70	234	59.6	CO <sub>2</sub>	Method 1	14
										0.1	CH <sub>4</sub>	Method 1	0
										0.2	N <sub>2</sub> O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	52	kL	38.60	2,006	69.2	CO <sub>2</sub>	Method 1	139
										0.2	CH <sub>4</sub>	Method 1	0
										0.5	N <sub>2</sub> O	Method 1	1
Fuel combustion	Fuel combustion	Emissions released	Gasoline (other than	combustion	A	11	kL	34.20	390	66.7	CO <sub>2</sub>	Method 1	26



Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
	- Stationary and Transport energy purposes	from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	for use as fuel in an aircraft) - Transport							0.6	CH4	Method 1	0
										2.3	N2O	Method 1	1
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of petroleum based oils or greases	Petroleum based oils (other than petroleum based oil used as fuel)	combustion	A	3	KL	38.80	124	-	CO2	Other Method	0
	Source Total								2,754				181
	Total								2,754				

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO2-e / unit)	Scope 2 Emissions (t CO2-e)
Purchase of electricity from main electricity grid in a State or	249,441	kWh	0.88	220



Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Territory				
Total				220

### ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	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	52	kL	38.6	2,006
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	combustion	A	11	kL	34.2	390
						Total	2,396

### 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	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
Emissions released from combustion of	Liquefied petroleum gas	combustion	A	9	kL	25.7	234



Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
liquid fuels other than petroleum oils or greases - Stationary energy purposes							
Emissions released from combustion of petroleum based oils or greases	Petroleum based oils (other than petroleum based oil used as fuel)	combustion	A	3	kL	38.8	124
						Total	358

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	249,441	kWh	0.0036	898
						Total	898

### INCIDENTAL EMISSIONS

This Report contains greenhouse gas emissions and energy information from facilities that is incidental to the operation of the facility and reported in accordance with NGER Regulation 4.27. The measurement of the production of energy from these sources using another method or criteria in the NGER Determination would cause the corporation significant hardship or expense.



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## INCIDENTAL EMISSIONS AND ENERGY

The following tables summarise total greenhouse gas emissions from operation of this facility during the reporting period

### Greenhouse Gas Emissions

<i>Scope 1 (t CO2-e)</i>	<i>Scope 2 (t CO2-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO2-e)</i>
-	-	-

### Energy Produced and Energy Consumed

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
-	-	-

### Greenhouse Gas Scope 1 Emissions By Gas

<i>Carbon Dioxide CO2 (t CO2-e)</i>	<i>Methane CH4 (t CO2-e)</i>	<i>Nitrous Oxide N2O (t CO2-e)</i>	<i>Perfluorocarbons PFCs (t CO2-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO2-e)</i>	<i>Sulphur Hexafluoride SF6 (t CO2-e)</i>	<i>Total (t CO2-e)</i>
-	-	-	-	-	-	-

## INCIDENTAL EMISSIONS

<i>Source of Emissions</i>	<i>Activity Type</i>	<i>Fuel Type Or Energy Commodity</i>	<i>Criterion</i>	<i>Gases</i>	<i>Scope 1 Incidental Emissions (t CO2-e)</i>
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<i>Source of Emissions</i>	<i>Activity Type</i>	<i>Fuel Type Or Energy Commodity</i>	<i>Criterion</i>	<i>Gases</i>	<i>Scope 1 Incidental Emissions (t CO<sub>2</sub>-e)</i>
Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of petroleum based oils or greases	Petroleum based oils (other than petroleum based oil used as fuel)	A	CO <sub>2</sub>	-
Total:					-



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## **23: GLIDEROL - SA - HOLDEN HILL - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>Gliderol - SA - Holden Hill</i>
<i>Facility Street Address</i>	32 Jacobsen Crescent HOLDEN HILL South Australia 5088 AUSTRALIA
<i>Geographic Coordinates</i>	Latitude 34.847S / Longitude 138.676E
<i>Facility location</i>	None
<i>Activity location</i>	South Australia
<i>Location description</i>	-
<i>Activity description</i>	-
<i>ANZSIC Code</i>	333 - Timber and hardware goods wholesaling
<i>Group Member with Operational Control</i>	Gliderol International Pty Ltd

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Gliderol International Pty Ltd

### **Greenhouse Gas Emissions**

<i>Scope 1 (t CO2-e)</i>	<i>Scope 2 (t CO2-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO2-e)</i>
94	269	363

### **Energy Produced and Energy Consumed**

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
3,011	3,011	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<i>Carbon Dioxide CO2 (t CO2-e)</i>	<i>Methane CH4 (t CO2-e)</i>	<i>Nitrous Oxide N2O (t CO2-e)</i>	<i>Perfluorocarbons PFCs (t CO2-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO2-e)</i>	<i>Sulphur Hexafluoride SF6 (t CO2-e)</i>	<i>Total (t CO2-e)</i>
91	1	2	-	-	-	94



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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Stationary energy purposes	Liquefied petroleum gas	combustion	A	9	kL	25.70	233	59.6	CO <sub>2</sub>	Method 1	14
										0.1	CH <sub>4</sub>	Method 1	0
										0.2	N <sub>2</sub> O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	5	kL	38.60	204	69.2	CO <sub>2</sub>	Method 1	14
										0.2	CH <sub>4</sub>	Method 1	0
										0.5	N <sub>2</sub> O	Method 1	0
Fuel combustion	Fuel combustion	Emissions released	Gasoline (other than	combustion	A	28	kL	34.20	946	66.7	CO <sub>2</sub>	Method 1	63



Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
	- Stationary and Transport energy purposes	from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	for use as fuel in an aircraft) - Transport							0.6	CH4	Method 1	1
										2.3	N2O	Method 1	2
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of petroleum based oils or greases	Petroleum based oils (other than petroleum based oil used as fuel)	combustion	A	4	kL	38.80	140	-	CO2	Other Method	0
	Source Total									1,523	94		
	Total								1,523				

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	413,416	kWh	0.65	269



Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Total				269

### ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	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	5	kL	38.6	204
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	combustion	A	28	kL	34.2	946
						Total	1,150

### 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	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
Emissions released from combustion of liquid fuels other	Liquefied petroleum gas	combustion	A	9	kL	25.7	233



Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
than petroleum oils or greases - Stationary energy purposes							
Emissions released from combustion of petroleum based oils or greases	Petroleum based oils (other than petroleum based oil used as fuel)	combustion	A	4	kL	38.8	140
						Total	373

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	413,416	kWh	0.0036	1,488
						Total	1,488

### INCIDENTAL EMISSIONS

This Report contains greenhouse gas emissions and energy information from facilities that is incidental to the operation of the facility and reported in accordance with NGER Regulation 4.27. The measurement of the production of energy from these sources using another method or criteria in the NGER Determination would cause the corporation significant hardship or expense.



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## INCIDENTAL EMISSIONS AND ENERGY

The following tables summarise total greenhouse gas emissions from operation of this facility during the reporting period

### Greenhouse Gas Emissions

<i>Scope 1 (t CO2-e)</i>	<i>Scope 2 (t CO2-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO2-e)</i>
-	-	-

### Energy Produced and Energy Consumed

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
-	-	-

### Greenhouse Gas Scope 1 Emissions By Gas

<i>Carbon Dioxide CO2 (t CO2-e)</i>	<i>Methane CH4 (t CO2-e)</i>	<i>Nitrous Oxide N2O (t CO2-e)</i>	<i>Perfluorocarbons PFCs (t CO2-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO2-e)</i>	<i>Sulphur Hexafluoride SF6 (t CO2-e)</i>	<i>Total (t CO2-e)</i>
-	-	-	-	-	-	-

## INCIDENTAL EMISSIONS

<i>Source of Emissions</i>	<i>Activity Type</i>	<i>Fuel Type Or Energy Commodity</i>	<i>Criterion</i>	<i>Gases</i>	<i>Scope 1 Incidental Emissions (t CO2-e)</i>
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<i>Source of Emissions</i>	<i>Activity Type</i>	<i>Fuel Type Or Energy Commodity</i>	<i>Criterion</i>	<i>Gases</i>	<i>Scope 1 Incidental Emissions (t CO2-e)</i>
Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of petroleum based oils or greases	Petroleum based oils (other than petroleum based oil used as fuel)	A	CO2	-
Total:					-





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## **24: GLIDEROL - NSW - NEWCASTLE - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>Gliderol - NSW - Newcastle</i>
<i>Facility Street Address</i>	19 Balook Drive BERESFIELD New South Wales 2322 AUSTRALIA
<i>Geographic Coordinates</i>	Latitude 32.807S / Longitude 151.634E
<i>Facility location</i>	None
<i>Activity location</i>	New South Wales
<i>Location description</i>	-
<i>Activity description</i>	-
<i>ANZSIC Code</i>	333 - Timber and hardware goods wholesaling
<i>Group Member with Operational Control</i>	Gliderol International Pty Ltd

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Gliderol International Pty Ltd

### **Greenhouse Gas Emissions**

<i>Scope 1 (t CO2-e)</i>	<i>Scope 2 (t CO2-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO2-e)</i>
32	36	68

### **Energy Produced and Energy Consumed**

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
619	619	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<i>Carbon Dioxide CO2 (t CO2-e)</i>	<i>Methane CH4 (t CO2-e)</i>	<i>Nitrous Oxide N2O (t CO2-e)</i>	<i>Perfluorocarbons PFCs (t CO2-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO2-e)</i>	<i>Sulphur Hexafluoride SF6 (t CO2-e)</i>	<i>Total (t CO2-e)</i>
31	-	1	-	-	-	32



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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Stationary energy purposes	Liquefied petroleum gas	combustion	A	-	kL	25.70	8	59.6	CO2	Method 1	0
										0.1	CH4	Method 1	0
										0.2	N2O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	14	kL	34.20	465	66.7	CO2	Method 1	31
										0.6	CH4	Method 1	0
										2.3	N2O	Method 1	1
	Source Total	473								32			
	Total								473				



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Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	40,672	kWh	0.88	36
Total				36

## ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
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	combustion	A	14	kL	34.2	465
						Total	465



### 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	Criteria	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	Liquefied petroleum gas	combustion	A	-	kL	25.7	8
						Total	8

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	40,672	kWh	0.0036	146
						Total	146



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## 25: GLIDEROL HOLDEN HILL 51 JACOBSON ST - FACILITY

### Emissions from operation of facility - operational control

Name	<i>Gliderol Holden Hill 51 Jacobson St</i>
Facility Street Address	51 Jacobson Street HOLDEN HILL South Australia 5088 AUSTRALIA
Geographic Coordinates	Latitude 34.847S / Longitude 138.673E
Facility location	None
Activity location	South Australia
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	Gliderol International Pty Ltd
Number of days with Operational Control:	305
Operational Control Dates:	01/07/2012 - 01/05/2013

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Gliderol International Pty Ltd

### Greenhouse Gas Emissions

<b>Scope 1 (t CO<sub>2</sub>-e)</b>	<b>Scope 2 (t CO<sub>2</sub>-e)</b>	<b>Total of Scope 1 and Scope 2 (t CO<sub>2</sub>-e)</b>
11	34	45

### Energy Produced and Energy Consumed

<b>Energy Consumed Total (GJ)</b>	<b>Energy Consumed Net (GJ)</b>	<b>Energy Produced (GJ)</b>
348	348	-

### Greenhouse Gas Scope 1 Emissions By Gas

<b>Carbon Dioxide CO<sub>2</sub> (t CO<sub>2</sub>-e)</b>	<b>Methane CH<sub>4</sub> (t CO<sub>2</sub>-e)</b>	<b>Nitrous Oxide N<sub>2</sub>O (t CO<sub>2</sub>-e)</b>	<b>Perfluorocarbons PFCs (t CO<sub>2</sub>-e)</b>	<b>Hydro Fluoro Carbons HFCs (t CO<sub>2</sub>-e)</b>	<b>Sulphur Hexafluoride SF<sub>6</sub> (t CO<sub>2</sub>-e)</b>	<b>Total (t CO<sub>2</sub>-e)</b>
11	-	-	-	-	-	11



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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	2	kL	38.60	59	69.2	CO2	Method 1	4
										0.2	CH4	Method 1	0
										0.5	N2O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	3	kL	34.20	103	66.7	CO2	Method 1	7
										0.6	CH4	Method 1	0
										2.3	N2O	Method 1	0
	Source Total	162								11			
	Total								162				



Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	51,678	kWh	0.65	34
Total				34

## ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	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	2	kL	38.6	59
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	combustion	A	3	kL	34.2	103



<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
						Total	162

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	51,678	kWh	0.0036	186
						Total	186





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## **26: GLIDEROL DANDENONG - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>Gliderol Dandenong</i>
<i>Facility Street Address</i>	23 Kitchen Road DANDENONG Victoria 3175 AUSTRALIA
<i>Geographic Coordinates</i>	Latitude 38.023S / Longitude 145.224E
<i>Facility location</i>	None
<i>Activity location</i>	Victoria
<i>Location description</i>	-
<i>Activity description</i>	-
<i>ANZSIC Code</i>	333 - Timber and hardware goods wholesaling
<i>Group Member with Operational Control</i>	Gliderol International Pty Ltd

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Gliderol International Pty Ltd

### **Greenhouse Gas Emissions**

<i>Scope 1 (t CO2-e)</i>	<i>Scope 2 (t CO2-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO2-e)</i>
22	55	77

### **Energy Produced and Energy Consumed**

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
510	510	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<i>Carbon Dioxide CO2 (t CO2-e)</i>	<i>Methane CH4 (t CO2-e)</i>	<i>Nitrous Oxide N2O (t CO2-e)</i>	<i>Perfluorocarbons PFCs (t CO2-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO2-e)</i>	<i>Sulphur Hexafluoride SF6 (t CO2-e)</i>	<i>Total (t CO2-e)</i>
22	-	-	-	-	-	22



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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Stationary energy purposes	Liquefied petroleum gas	combustion	A	2	kL	25.70	52	59.6	CO <sub>2</sub>	Method 1	3
										0.1	CH <sub>4</sub>	Method 1	0
										0.2	N <sub>2</sub> O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	3	kL	38.60	98	69.2	CO <sub>2</sub>	Method 1	7
										0.2	CH <sub>4</sub>	Method 1	0
										0.5	N <sub>2</sub> O	Method 1	0
Fuel combustion	Fuel combustion	Emissions released	Liquefied petroleum	combustion	A	1	kL	26.20	26	59.6	CO <sub>2</sub>	Method 1	2



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Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
	- Stationary and Transport energy purposes	from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	gas - Transport							0.6	CH4	Method 1	0
										0.6	N2O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	4	KL	34.20	152	66.7	CO2	Method 1	10
										0.6	CH4	Method 1	0
										2.3	N2O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of petroleum based oils	Petroleum based oils (other than petroleum based oil used as fuel)	combustion	A	-	KL	38.80	15	-	CO2	Other Method	0



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Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)
		or greases											
	Source Total								343				22
	Total								343				

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	46,254	kWh	1.19	55
Total				55

## ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	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	3	kL	38.6	98
Emissions released from combustion of liquid fuels other	Liquefied petroleum gas - Transport	combustion	A	1	kL	26.2	26



Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
than petroleum oils or greases - Transport energy purposes							
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	combustion	A	4	kL	34.2	152
						Total	276

### 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	Criteria	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	Liquefied petroleum gas	combustion	A	2	kL	25.7	52
Emissions released from combustion of petroleum based oils or greases	Petroleum based oils (other than petroleum based oil used as fuel)	combustion	A	-	kL	38.8	15
						Total	67



## ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	46,254	kWh	0.0036	167
						Total	167

## INCIDENTAL EMISSIONS

This Report contains greenhouse gas emissions and energy information from facilities that is incidental to the operation of the facility and reported in accordance with NGER Regulation 4.27. The measurement of the production of energy from these sources using another method or criteria in the NGER Determination would cause the corporation significant hardship or expense.

## INCIDENTAL EMISSIONS AND ENERGY

The following tables summarise total greenhouse gas emissions from operation of this facility during the reporting period

### Greenhouse Gas Emissions

Scope 1 (t CO <sub>2</sub> -e)	Scope 2 (t CO <sub>2</sub> -e)	Total of Scope 1 and Scope 2 (t CO <sub>2</sub> -e)
-	-	-



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### Energy Produced and Energy Consumed

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
-	-	-

### Greenhouse Gas Scope 1 Emissions By Gas

<i>Carbon Dioxide CO2 (t CO2-e)</i>	<i>Methane CH4 (t CO2-e)</i>	<i>Nitrous Oxide N2O (t CO2-e)</i>	<i>Perfluorocarbons PFCs (t CO2-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO2-e)</i>	<i>Sulphur Hexafluoride SF6 (t CO2-e)</i>	<i>Total (t CO2-e)</i>
-	-	-	-	-	-	-

### INCIDENTAL EMISSIONS

<i>Source of Emissions</i>	<i>Activity Type</i>	<i>Fuel Type Or Energy Commodity</i>	<i>Criterion</i>	<i>Gases</i>	<i>Scope 1 Incidental Emissions (t CO2-e)</i>
Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of petroleum based oils or greases	Petroleum based oils (other than petroleum based oil used as fuel)	A	CO2	-
Total:					-



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## **27: GLIDEROL GEELONG - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>Gliderol Geelong</i>
Facility Street Address	35 Leather Street BREAKWATER Victoria 3219 AUSTRALIA
Geographic Coordinates	Latitude 38.185S / Longitude 144.374E
Facility location	None
Activity location	Victoria
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	Gliderol International Pty Ltd

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Gliderol International Pty Ltd

### **Greenhouse Gas Emissions**

<b>Scope 1 (t CO<sub>2</sub>-e)</b>	<b>Scope 2 (t CO<sub>2</sub>-e)</b>	<b>Total of Scope 1 and Scope 2 (t CO<sub>2</sub>-e)</b>
73	6	79

### **Energy Produced and Energy Consumed**

<b>Energy Consumed Total (GJ)</b>	<b>Energy Consumed Net (GJ)</b>	<b>Energy Produced (GJ)</b>
1,075	1,075	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<b>Carbon Dioxide CO<sub>2</sub> (t CO<sub>2</sub>-e)</b>	<b>Methane CH<sub>4</sub> (t CO<sub>2</sub>-e)</b>	<b>Nitrous Oxide N<sub>2</sub>O (t CO<sub>2</sub>-e)</b>	<b>Perfluorocarbons PFCs (t CO<sub>2</sub>-e)</b>	<b>Hydro Fluoro Carbons HFCs (t CO<sub>2</sub>-e)</b>	<b>Sulphur Hexafluoride SF<sub>6</sub> (t CO<sub>2</sub>-e)</b>	<b>Total (t CO<sub>2</sub>-e)</b>
71	-	2	-	-	-	73





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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	7	kL	38.60	272	69.2	CO2	Method 1	19
										0.2	CH4	Method 1	0
										0.5	N2O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	23	kL	34.20	785	66.7	CO2	Method 1	52
										0.6	CH4	Method 1	0
										2.3	N2O	Method 1	2
	Source Total	1,057								73			
	Total								1,057				



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Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	5,127	kWh	1.19	6
Total				6

## ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	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	7	kL	38.6	272
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	combustion	A	23	kL	34.2	785



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<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
						Total	1,057

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	5,127	kWh	0.0036	18
						Total	18



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## **28: GLIDEROL WOOLONGONG - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>Gliderol Woolongong</i>
<i>Facility Street Address</i>	Unit 2 1 Luso Drive UNANDERRA New South Wales 2526 AUSTRALIA
<i>Geographic Coordinates</i>	Latitude 34.466S / Longitude 150.839E
<i>Facility location</i>	None
<i>Activity location</i>	New South Wales
<i>Location description</i>	-
<i>Activity description</i>	-
<i>ANZSIC Code</i>	333 - Timber and hardware goods wholesaling
<i>Group Member with Operational Control</i>	Gliderol International Pty Ltd

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Gliderol International Pty Ltd

### **Greenhouse Gas Emissions**

<i>Scope 1 (t CO2-e)</i>	<i>Scope 2 (t CO2-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO2-e)</i>
8	7	15

### **Energy Produced and Energy Consumed**

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
150	150	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<i>Carbon Dioxide CO2 (t CO2-e)</i>	<i>Methane CH4 (t CO2-e)</i>	<i>Nitrous Oxide N2O (t CO2-e)</i>	<i>Perfluorocarbons PFCs (t CO2-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO2-e)</i>	<i>Sulphur Hexafluoride SF6 (t CO2-e)</i>	<i>Total (t CO2-e)</i>
8	-	-	-	-	-	8



## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	4	kL	34.20	120	66.7	CO2	Method 1	8
										0.6	CH4	Method 1	0
										2.3	N2O	Method 1	0
	Source Total								120				8
	Total								120				

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	8,465	kWh	0.88	7
Total				7



### ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
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	combustion	A	4	KL	34.2	120
						Total	120

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	8,465	kWh	0.0036	30
						Total	30



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## **29: GLIDEROL BURLEIGH HEADS - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>Gliderol Burleigh Heads</i>
<i>Facility Street Address</i>	Unit 1 9 Ramly Drive BURLEIGH HEADS Queensland 4220 AUSTRALIA
<i>Geographic Coordinates</i>	Latitude 28.103S / Longitude 153.082E
<i>Facility location</i>	None
<i>Activity location</i>	Queensland
<i>Location description</i>	-
<i>Activity description</i>	-
<i>ANZSIC Code</i>	333 - Timber and hardware goods wholesaling
<i>Group Member with Operational Control</i>	Gliderol International Pty Ltd

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Gliderol International Pty Ltd

### **Greenhouse Gas Emissions**

<i>Scope 1 (t CO2-e)</i>	<i>Scope 2 (t CO2-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO2-e)</i>
60	12	72

### **Energy Produced and Energy Consumed**

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
917	917	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<i>Carbon Dioxide CO2 (t CO2-e)</i>	<i>Methane CH4 (t CO2-e)</i>	<i>Nitrous Oxide N2O (t CO2-e)</i>	<i>Perfluorocarbons PFCs (t CO2-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO2-e)</i>	<i>Sulphur Hexafluoride SF6 (t CO2-e)</i>	<i>Total (t CO2-e)</i>
58	-	2	-	-	-	60



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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	3	kL	38.60	127	69.2	CO2	Method 1	9
										0.2	CH4	Method 1	0
										0.5	N2O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	22	kL	34.20	742	66.7	CO2	Method 1	49
										0.6	CH4	Method 1	0
										2.3	N2O	Method 1	2
	Source Total	869								60			
	Total								869				





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Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	13,411	kWh	0.86	12
Total				12

## ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	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	3	kL	38.6	127
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	combustion	A	22	kL	34.2	742



<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
						Total	869

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	13,411	kWh	0.0036	48
						Total	48



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### **30: GLIDEROL BANYO - FACILITY**

#### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>Gliderol Banyo</i>
Facility Street Address	241 Elliott Road BANYO Queensland 4014 AUSTRALIA
Geographic Coordinates	Latitude 27.367S / Longitude 153.082E
Facility location	None
Activity location	Queensland
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	Gliderol International Pty Ltd

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Gliderol International Pty Ltd

#### **Greenhouse Gas Emissions**

<b>Scope 1 (t CO<sub>2</sub>-e)</b>	<b>Scope 2 (t CO<sub>2</sub>-e)</b>	<b>Total of Scope 1 and Scope 2 (t CO<sub>2</sub>-e)</b>
135	116	251

#### **Energy Produced and Energy Consumed**

<b>Energy Consumed Total (GJ)</b>	<b>Energy Consumed Net (GJ)</b>	<b>Energy Produced (GJ)</b>
2,546	2,546	-

#### **Greenhouse Gas Scope 1 Emissions By Gas**

<b>Carbon Dioxide CO<sub>2</sub> (t CO<sub>2</sub>-e)</b>	<b>Methane CH<sub>4</sub> (t CO<sub>2</sub>-e)</b>	<b>Nitrous Oxide N<sub>2</sub>O (t CO<sub>2</sub>-e)</b>	<b>Perfluorocarbons PFCs (t CO<sub>2</sub>-e)</b>	<b>Hydro Fluoro Carbons HFCs (t CO<sub>2</sub>-e)</b>	<b>Sulphur Hexafluoride SF<sub>6</sub> (t CO<sub>2</sub>-e)</b>	<b>Total (t CO<sub>2</sub>-e)</b>
134	-	1	-	-	-	135



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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Stationary energy purposes	Liquefied petroleum gas	combustion	A	5	kL	25.70	137	59.6	CO <sub>2</sub>	Method 1	8
										0.1	CH <sub>4</sub>	Method 1	0
										0.2	N <sub>2</sub> O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	44	kL	38.60	1,694	69.2	CO <sub>2</sub>	Method 1	117
										0.2	CH <sub>4</sub>	Method 1	0
										0.5	N <sub>2</sub> O	Method 1	1
Fuel combustion	Fuel combustion	Emissions released	Gasoline for use as a fuel	combustion	A	4	kL	33.10	134	66.3	CO <sub>2</sub>	Method 1	9

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Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)
	- Stationary and Transport energy purposes	from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	in an aircraft - Transport							0.04	CH <sub>4</sub>	Method 1	0
										0.7	N <sub>2</sub> O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of petroleum based oils or greases	Petroleum based oils (other than petroleum based oil used as fuel)	combustion	A	2	KL	38.80	95	-	CO <sub>2</sub>	Other Method	0
	Source Total								2,060				135
	Total								2,060				

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or	135,068	kWh	0.86	116



Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Territory				
Total				116

### ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	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	44	kL	38.6	1,694
Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Gasoline for use as a fuel in an aircraft - Transport	combustion	A	4	kL	33.1	134
						Total	1,828

### 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	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
Emissions released from combustion of	Liquefied petroleum gas	combustion	A	5	kL	25.7	137



Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
liquid fuels other than petroleum oils or greases - Stationary energy purposes							
Emissions released from combustion of petroleum based oils or greases	Petroleum based oils (other than petroleum based oil used as fuel)	combustion	A	2	kL	38.8	95
						Total	232

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	135,068	kWh	0.0036	486
						Total	486

### INCIDENTAL EMISSIONS

This Report contains greenhouse gas emissions and energy information from facilities that is incidental to the operation of the facility and reported in accordance with NGER Regulation 4.27. The measurement of the production of energy from these sources using another method or criteria in the NGER Determination would cause the corporation significant hardship or expense.



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## INCIDENTAL EMISSIONS AND ENERGY

The following tables summarise total greenhouse gas emissions from operation of this facility during the reporting period

### Greenhouse Gas Emissions

<i>Scope 1 (t CO2-e)</i>	<i>Scope 2 (t CO2-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO2-e)</i>
-	-	-

### Energy Produced and Energy Consumed

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
-	-	-

### Greenhouse Gas Scope 1 Emissions By Gas

<i>Carbon Dioxide CO2 (t CO2-e)</i>	<i>Methane CH4 (t CO2-e)</i>	<i>Nitrous Oxide N2O (t CO2-e)</i>	<i>Perfluorocarbons PFCs (t CO2-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO2-e)</i>	<i>Sulphur Hexafluoride SF6 (t CO2-e)</i>	<i>Total (t CO2-e)</i>
-	-	-	-	-	-	-

## INCIDENTAL EMISSIONS

<i>Source of Emissions</i>	<i>Activity Type</i>	<i>Fuel Type Or Energy Commodity</i>	<i>Criterion</i>	<i>Gases</i>	<i>Scope 1 Incidental Emissions (t CO2-e)</i>
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<i>Source of Emissions</i>	<i>Activity Type</i>	<i>Fuel Type Or Energy Commodity</i>	<i>Criterion</i>	<i>Gases</i>	<i>Scope 1 Incidental Emissions (t CO2-e)</i>
Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of petroleum based oils or greases	Petroleum based oils (other than petroleum based oil used as fuel)	A	CO2	-
Total:					-



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### **31: GLIDEROL BUNBURY - FACILITY**

#### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>Gliderol Bunbury</i>
Facility Street Address	Unit 7 33 Denning Road BUNBURY Western Australia 6230 AUSTRALIA
Geographic Coordinates	Latitude 33.340S / Longitude 115.653E
Facility location	None
Activity location	Western Australia
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	Gliderol International Pty Ltd

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Gliderol International Pty Ltd

#### **Greenhouse Gas Emissions**

<b>Scope 1 (t CO2-e)</b>	<b>Scope 2 (t CO2-e)</b>	<b>Total of Scope 1 and Scope 2 (t CO2-e)</b>
2	5	7

#### **Energy Produced and Energy Consumed**

<b>Energy Consumed Total (GJ)</b>	<b>Energy Consumed Net (GJ)</b>	<b>Energy Produced (GJ)</b>
58	58	-

#### **Greenhouse Gas Scope 1 Emissions By Gas**

<b>Carbon Dioxide CO2 (t CO2-e)</b>	<b>Methane CH4 (t CO2-e)</b>	<b>Nitrous Oxide N2O (t CO2-e)</b>	<b>Perfluorocarbons PFCs (t CO2-e)</b>	<b>Hydro Fluoro Carbons HFCs (t CO2-e)</b>	<b>Sulphur Hexafluoride SF6 (t CO2-e)</b>	<b>Total (t CO2-e)</b>
2	-	-	-	-	-	2



## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	1	kL	34.20	35	66.7	CO2	Method 1	2
										0.6	CH4	Method 1	0
										2.3	N2O	Method 1	0
	Source Total									35	2		
	Total								35				

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	6,374	kWh	0.82	5
Total				5



### ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
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	combustion	A	1	KL	34.2	35
						Total	35

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	6,374	kWh	0.0036	23
						Total	23



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## **32: GLIDEROL WANGARA - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>Gliderol Wangara</i>
Facility Street Address	21 Prindville Drive WANGARA Western Australia 6065 AUSTRALIA
Geographic Coordinates	Latitude 31.790S / Longitude 115.818E
Facility location	None
Activity location	Western Australia
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	Gliderol International Pty Ltd

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Gliderol International Pty Ltd

### **Greenhouse Gas Emissions**

<b>Scope 1 (t CO<sub>2</sub>-e)</b>	<b>Scope 2 (t CO<sub>2</sub>-e)</b>	<b>Total of Scope 1 and Scope 2 (t CO<sub>2</sub>-e)</b>
52	99	151

### **Energy Produced and Energy Consumed**

<b>Energy Consumed Total (GJ)</b>	<b>Energy Consumed Net (GJ)</b>	<b>Energy Produced (GJ)</b>
1,237	1,237	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<b>Carbon Dioxide CO<sub>2</sub> (t CO<sub>2</sub>-e)</b>	<b>Methane CH<sub>4</sub> (t CO<sub>2</sub>-e)</b>	<b>Nitrous Oxide N<sub>2</sub>O (t CO<sub>2</sub>-e)</b>	<b>Perfluorocarbons PFCs (t CO<sub>2</sub>-e)</b>	<b>Hydro Fluoro Carbons HFCs (t CO<sub>2</sub>-e)</b>	<b>Sulphur Hexafluoride SF<sub>6</sub> (t CO<sub>2</sub>-e)</b>	<b>Total (t CO<sub>2</sub>-e)</b>
51	-	1	-	-	-	52



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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Stationary energy purposes	Liquefied petroleum gas	combustion	A	4	kL	25.70	107	59.6	CO <sub>2</sub>	Method 1	6
										0.1	CH <sub>4</sub>	Method 1	0
										0.2	N <sub>2</sub> O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	9	kL	38.60	330	69.2	CO <sub>2</sub>	Method 1	23
										0.2	CH <sub>4</sub>	Method 1	0
										0.5	N <sub>2</sub> O	Method 1	0
Fuel combustion	Fuel combustion	Emissions released	Gasoline (other than	combustion	A	10	kL	34.20	328	66.7	CO <sub>2</sub>	Method 1	22

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Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
	- Stationary and Transport energy purposes	from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	for use as fuel in an aircraft) - Transport							0.6	CH4	Method 1	0
										2.3	N2O	Method 1	1
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of petroleum based oils or greases	Petroleum based oils (other than petroleum based oil used as fuel)	combustion	A	1	kL	38.80	39	-	CO2	Other Method	0
	Source Total									804	52		
	Total								804				

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO2-e / unit)	Scope 2 Emissions (t CO2-e)
Purchase of electricity from main electricity grid in a State or Territory	120,220	kWh	0.82	99



Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Total				99

### ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	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	9	kL	38.6	330
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	combustion	A	10	kL	34.2	328
						Total	658

### 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	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
Emissions released from combustion of liquid fuels other	Liquefied petroleum gas	combustion	A	4	kL	25.7	107





Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
than petroleum oils or greases - Stationary energy purposes							
Emissions released from combustion of petroleum based oils or greases	Petroleum based oils (other than petroleum based oil used as fuel)	combustion	A	1	kL	38.8	39
						Total	146

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	120,220	kWh	0.0036	433
						Total	433

### INCIDENTAL EMISSIONS

This Report contains greenhouse gas emissions and energy information from facilities that is incidental to the operation of the facility and reported in accordance with NGER Regulation 4.27. The measurement of the production of energy from these sources using another method or criteria in the NGER Determination would cause the corporation significant hardship or expense.



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## INCIDENTAL EMISSIONS AND ENERGY

The following tables summarise total greenhouse gas emissions from operation of this facility during the reporting period

### Greenhouse Gas Emissions

<i>Scope 1 (t CO2-e)</i>	<i>Scope 2 (t CO2-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO2-e)</i>
-	-	-

### Energy Produced and Energy Consumed

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
-	-	-

### Greenhouse Gas Scope 1 Emissions By Gas

<i>Carbon Dioxide CO2 (t CO2-e)</i>	<i>Methane CH4 (t CO2-e)</i>	<i>Nitrous Oxide N2O (t CO2-e)</i>	<i>Perfluorocarbons PFCs (t CO2-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO2-e)</i>	<i>Sulphur Hexafluoride SF6 (t CO2-e)</i>	<i>Total (t CO2-e)</i>
-	-	-	-	-	-	-

## INCIDENTAL EMISSIONS

<i>Source of Emissions</i>	<i>Activity Type</i>	<i>Fuel Type Or Energy Commodity</i>	<i>Criterion</i>	<i>Gases</i>	<i>Scope 1 Incidental Emissions (t CO2-e)</i>
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<i>Source of Emissions</i>	<i>Activity Type</i>	<i>Fuel Type Or Energy Commodity</i>	<i>Criterion</i>	<i>Gases</i>	<i>Scope 1 Incidental Emissions (t CO2-e)</i>
Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of petroleum based oils or greases	Petroleum based oils (other than petroleum based oil used as fuel)	A	CO2	-
Total:					-



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### **33: GLIDEROL COMP WAY WANGARA - FACILITY**

#### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>Gliderol Comp Way Wangara</i>
<i>Facility Street Address</i>	57 Competition Way Wangara Western Australia 6065 AUSTRALIA
<i>Geographic Coordinates</i>	Latitude 31.790S / Longitude 115.845E
<i>Facility location</i>	None
<i>Activity location</i>	Western Australia
<i>Location description</i>	-
<i>Activity description</i>	-
<i>ANZSIC Code</i>	333 - Timber and hardware goods wholesaling
<i>Group Member with Operational Control</i>	Gliderol International Pty Ltd

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Gliderol International Pty Ltd

#### **Greenhouse Gas Emissions**

<i>Scope 1 (t CO2-e)</i>	<i>Scope 2 (t CO2-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO2-e)</i>
-	32	32

#### **Energy Produced and Energy Consumed**

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
140	140	-

#### **Greenhouse Gas Scope 1 Emissions By Gas**

<i>Carbon Dioxide CO2 (t CO2-e)</i>	<i>Methane CH4 (t CO2-e)</i>	<i>Nitrous Oxide N2O (t CO2-e)</i>	<i>Perfluorocarbons PFCs (t CO2-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO2-e)</i>	<i>Sulphur Hexafluoride SF6 (t CO2-e)</i>	<i>Total (t CO2-e)</i>
-	-	-	-	-	-	-



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## SCOPE 2 EMISSIONS

<i>Activity Type</i>	<i>Amount</i>	<i>Units</i>	<i>Emission Factor (kg CO<sub>2</sub>-e / unit)</i>	<i>Scope 2 Emissions (t CO<sub>2</sub>-e)</i>
Purchase of electricity from main electricity grid in a State or Territory	38,966	kWh	0.82	32
Total				32

## ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	38,966	kWh	0.0036	140
						Total	140



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### **34: GAINSBOROUGH HARDWARE INDUSTRIES LTD - GROUP MEMBER**

<b>Name:</b>	<i>Gainsborough Hardware Industries Ltd</i>
<b>Australian Business Number (ABN)</b>	25004792269
<b>Trading Name</b>	GWA Doors & Access Systems
<b>Australian Company Number (ACN)</b>	-
<b>Australian Registered Body Number (ARBN)</b>	-
<b>Street address line 1</b>	31-33 Alfred Street
<b>Street address line 2</b>	-
<b>Street address line 3</b>	-
<b>Street city/suburb</b>	BLACKBURN
<b>Street state</b>	Victoria
<b>Street postcode</b>	3130
<b>Street country</b>	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**

<b>Scope 1 (t CO2-e)</b>	<b>Scope 2 (t CO2-e)</b>	<b>Total of Scope 1 and Scope 2 (t CO2-e)</b>
1,000	2,019	3,019

#### **Energy Produced and Energy Consumed**

<b>Energy Consumed Total (GJ)</b>	<b>Energy Consumed Net (GJ)</b>	<b>Energy Produced (GJ)</b>
23,891	23,891	-

#### **Greenhouse Gas Scope 1 Emissions By Gas**

<b>Carbon Dioxide CO2 (t CO2-e)</b>	<b>Methane CH4 (t CO2-e)</b>	<b>Nitrous Oxide N2O (t CO2-e)</b>	<b>Perfluorocarbons PFCs (t CO2-e)</b>	<b>Hydro Fluoro Carbons HFCs (t CO2-e)</b>	<b>Sulphur Hexafluoride SF6 (t CO2-e)</b>	<b>Total (t CO2-e)</b>
984	4	12	-	-	-	1,000



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### **35: GAINSBOROUGH - VIC - KYNETON - FACILITY**

#### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>Gainsborough - VIC - Kyneton</i>
Facility Street Address	5 Johnson Court KYNETON Victoria 3444 AUSTRALIA
Geographic Coordinates	Latitude 37.241S / Longitude 144.457E
Facility location	None
Activity location	Victoria
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	Gainsborough Hardware Industries Ltd
Number of days with Operational Control:	174
Operational Control Dates:	01/07/2012 - 21/12/2012

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Gainsborough Hardware Industries Ltd

#### **Greenhouse Gas Emissions**

<i>Scope 1 (t CO2-e)</i>	<i>Scope 2 (t CO2-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO2-e)</i>
38	7	45

#### **Energy Produced and Energy Consumed**

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
752	752	-

#### **Greenhouse Gas Scope 1 Emissions By Gas**

<i>Carbon Dioxide CO2 (t CO2-e)</i>	<i>Methane CH4 (t CO2-e)</i>	<i>Nitrous Oxide N2O (t CO2-e)</i>	<i>Perfluorocarbons PFCs (t CO2-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO2-e)</i>	<i>Sulphur Hexafluoride SF6 (t CO2-e)</i>	<i>Total (t CO2-e)</i>
38	-	-	-	-	-	38





## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of gaseous fuels - Stationary energy purposes	Natural gas distributed in a pipeline	combustion	A	689	GJ	1.00	689	51.2	CO2	Method 1	35
										0.1	CH4	Method 1	0
										0.03	N2O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	1	kL	34.20	41	66.7	CO2	Method 1	3
										0.6	CH4	Method 1	0
										2.3	N2O	Method 1	0
	Source Total									730	38		
	Total								730				



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## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO2-e / unit)	Scope 2 Emissions (t CO2-e)
Purchase of electricity from main electricity grid in a State or Territory	6,186	kWh	1.19	7
Total				7

## ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
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	combustion	A	1	KL	34.2	41
						Total	41

## 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	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
Emissions released from combustion of gaseous fuels - Stationary energy purposes	Natural gas distributed in a pipeline	combustion	A	689	GJ	1	689



<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
						Total	689

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	6,186	kWh	0.0036	22
						Total	22



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### **36: GAINSBOROUGH - VIC - BLACKBURN - 15-33 ALFRED STREET - FACILITY**

#### **Emissions from operation of facility - operational control**

Name	Gainsborough - VIC - Blackburn - 15-33 Alfred Street
Facility Street Address	15-33 Alfred Street BLACKBURN Victoria 3130 AUSTRALIA
Geographic Coordinates	Latitude 37.820S / Longitude 145.158E
Facility location	None
Activity location	Victoria
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	Gainsborough Hardware Industries Ltd

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Gainsborough Hardware Industries Ltd

#### **Greenhouse Gas Emissions**

Scope 1 (t CO <sub>2</sub> -e)	Scope 2 (t CO <sub>2</sub> -e)	Total of Scope 1 and Scope 2 (t CO <sub>2</sub> -e)
-	912	912

#### **Energy Produced and Energy Consumed**

Energy Consumed Total (GJ)	Energy Consumed Net (GJ)	Energy Produced (GJ)
2,759	2,759	-

#### **Greenhouse Gas Scope 1 Emissions By Gas**

Carbon Dioxide CO <sub>2</sub> (t CO <sub>2</sub> -e)	Methane CH <sub>4</sub> (t CO <sub>2</sub> -e)	Nitrous Oxide N <sub>2</sub> O (t CO <sub>2</sub> -e)	Perfluorocarbons PFCs (t CO <sub>2</sub> -e)	Hydro Fluoro Carbons HFCs (t CO <sub>2</sub> -e)	Sulphur Hexafluoride SF <sub>6</sub> (t CO <sub>2</sub> -e)	Total (t CO <sub>2</sub> -e)
-	-	-	-	-	-	-



## SCOPE 2 EMISSIONS

<i>Activity Type</i>	<i>Amount</i>	<i>Units</i>	<i>Emission Factor (kg CO<sub>2</sub>-e / unit)</i>	<i>Scope 2 Emissions (t CO<sub>2</sub>-e)</i>
Purchase of electricity from main electricity grid in a State or Territory	766,307	kWh	1.19	912
Total				912

## ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	766,307	kWh	0.0036	2,759
						Total	2,759



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### **37: GAINSBOROUGH - NSW - TAREN POINT - FACILITY**

#### **Emissions from operation of facility - operational control**

Name	Gainsborough - NSW - Taren Point
Facility Street Address	Suite 1B 120 Taren Point Road TAREN POINT New South Wales 2229 AUSTRALIA
Geographic Coordinates	Latitude 34.019S / Longitude 151.122E
Facility location	None
Activity location	New South Wales
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	Gainsborough Hardware Industries Ltd

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Gainsborough Hardware Industries Ltd

#### **Greenhouse Gas Emissions**

Scope 1 (t CO <sub>2</sub> -e)	Scope 2 (t CO <sub>2</sub> -e)	Total of Scope 1 and Scope 2 (t CO <sub>2</sub> -e)
72	11	83

#### **Energy Produced and Energy Consumed**

Energy Consumed Total (GJ)	Energy Consumed Net (GJ)	Energy Produced (GJ)
1,076	1,076	-

#### **Greenhouse Gas Scope 1 Emissions By Gas**

Carbon Dioxide CO <sub>2</sub> (t CO <sub>2</sub> -e)	Methane CH <sub>4</sub> (t CO <sub>2</sub> -e)	Nitrous Oxide N <sub>2</sub> O (t CO <sub>2</sub> -e)	Perfluorocarbons PFCs (t CO <sub>2</sub> -e)	Hydro Fluoro Carbons HFCs (t CO <sub>2</sub> -e)	Sulphur Hexafluoride SF <sub>6</sub> (t CO <sub>2</sub> -e)	Total (t CO <sub>2</sub> -e)
69	1	2	-	-	-	72



## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	30	kL	34.20	1,031	66.7	CO2	Method 1	69
										0.6	CH4	Method 1	1
										2.3	N2O	Method 1	2
	Source Total									1,031	72		
	Total								1,031				

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	12,380	kWh	0.88	11
Total				11



### ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
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	combustion	A	30	KL	34.2	1,031
						Total	1,031

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	12,380	kWh	0.0036	45
						Total	45





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### **38: GAINSBOROUGH - SA - VALE PARK - FACILITY**

#### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>Gainsborough - SA - Vale Park</i>
Facility Street Address	31 Lansdowne Terrace VALE PARK South Australia 5081 AUSTRALIA
Geographic Coordinates	Latitude 34.888S / Longitude 138.623E
Facility location	None
Activity location	South Australia
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	Gainsborough Hardware Industries Ltd
Number of days with Operational Control:	306
Operational Control Dates:	01/07/2012 - 02/05/2013

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Gainsborough Hardware Industries Ltd

#### **Greenhouse Gas Emissions**

<i>Scope 1 (t CO2-e)</i>	<i>Scope 2 (t CO2-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO2-e)</i>
25	-	25

#### **Energy Produced and Energy Consumed**

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
363	363	-

#### **Greenhouse Gas Scope 1 Emissions By Gas**

<i>Carbon Dioxide CO2 (t CO2-e)</i>	<i>Methane CH4 (t CO2-e)</i>	<i>Nitrous Oxide N2O (t CO2-e)</i>	<i>Perfluorocarbons PFCs (t CO2-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO2-e)</i>	<i>Sulphur Hexafluoride SF6 (t CO2-e)</i>	<i>Total (t CO2-e)</i>
24	-	1	-	-	-	25



## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	11	kL	34.20	363	66.7	CO2	Method 1	24
										0.6	CH4	Method 1	0
										2.3	N2O	Method 1	1
	Source Total									363	25		
	Total								363				

## ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy	Gasoline (other than for use as fuel in an aircraft) - Transport	combustion	A	11	kL	34.2	363



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<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
purposes							
						Total	363



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### **39: GAINSBOROUGH - VIC - BLACKBURN - 9 ALFRED STREET - FACILITY**

#### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>Gainsborough - VIC - Blackburn - 9 Alfred Street</i>
Facility Street Address	9 Alfred Street BLACKBURN Victoria 3130 AUSTRALIA
Geographic Coordinates	Latitude 37.819S / Longitude 145.159E
Facility location	None
Activity location	Victoria
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	Gainsborough Hardware Industries Ltd
Number of days with Operational Control:	283
Operational Control Dates:	01/07/2012 - 09/04/2013

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Gainsborough Hardware Industries Ltd

#### **Greenhouse Gas Emissions**

<i>Scope 1 (t CO2-e)</i>	<i>Scope 2 (t CO2-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO2-e)</i>
-	32	32

#### **Energy Produced and Energy Consumed**

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
95	95	-

#### **Greenhouse Gas Scope 1 Emissions By Gas**

<i>Carbon Dioxide CO2 (t CO2-e)</i>	<i>Methane CH4 (t CO2-e)</i>	<i>Nitrous Oxide N2O (t CO2-e)</i>	<i>Perfluorocarbons PFCs (t CO2-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO2-e)</i>	<i>Sulphur Hexafluoride SF6 (t CO2-e)</i>	<i>Total (t CO2-e)</i>
-	-	-	-	-	-	-



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## SCOPE 2 EMISSIONS

<i>Activity Type</i>	<i>Amount</i>	<i>Units</i>	<i>Emission Factor (kg CO<sub>2</sub>-e / unit)</i>	<i>Scope 2 Emissions (t CO<sub>2</sub>-e)</i>
Purchase of electricity from main electricity grid in a State or Territory	26,487	kWh	1.19	32
Total				32

## ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	26,487	kWh	0.0036	95
						Total	95



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## **40: GAINSBOROUGH - QLD - STONES CORNER - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>Gainsborough - QLD - Stones Corner</i>
Facility Street Address	433 Logan Road STONES CORNER Queensland 4120 AUSTRALIA
Geographic Coordinates	Latitude 27.502S / Longitude 153.046E
Facility location	None
Activity location	Queensland
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	Gainsborough Hardware Industries Ltd
Number of days with Operational Control:	271
Operational Control Dates:	01/07/2012 - 28/03/2013

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Gainsborough Hardware Industries Ltd

### **Greenhouse Gas Emissions**

<b>Scope 1 (t CO<sub>2</sub>-e)</b>	<b>Scope 2 (t CO<sub>2</sub>-e)</b>	<b>Total of Scope 1 and Scope 2 (t CO<sub>2</sub>-e)</b>
95	23	118

### **Energy Produced and Energy Consumed**

<b>Energy Consumed Total (GJ)</b>	<b>Energy Consumed Net (GJ)</b>	<b>Energy Produced (GJ)</b>
1,457	1,457	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<b>Carbon Dioxide CO<sub>2</sub> (t CO<sub>2</sub>-e)</b>	<b>Methane CH<sub>4</sub> (t CO<sub>2</sub>-e)</b>	<b>Nitrous Oxide N<sub>2</sub>O (t CO<sub>2</sub>-e)</b>	<b>Perfluorocarbons PFCs (t CO<sub>2</sub>-e)</b>	<b>Hydro Fluoro Carbons HFCs (t CO<sub>2</sub>-e)</b>	<b>Sulphur Hexafluoride SF<sub>6</sub> (t CO<sub>2</sub>-e)</b>	<b>Total (t CO<sub>2</sub>-e)</b>
91	1	3	-	-	-	95



## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	40	kL	34.20	1,362	66.7	CO2	Method 1	91
										0.6	CH4	Method 1	1
										2.3	N2O	Method 1	3
	Source Total									1,362	95		
	Total								1,362				

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	26,460	kWh	0.86	23
Total				23



### ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
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	combustion	A	40	KL	34.2	1,362
						Total	1,362

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	26,460	kWh	0.0036	95
						Total	95





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## **41: GAINSBOROUGH - WA - MALAGA - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>Gainsborough - WA - Malaga</i>
Facility Street Address	12 Juna Drive MALAGA Western Australia 6090 AUSTRALIA
Geographic Coordinates	Latitude 31.866S / Longitude 153.903E
Facility location	None
Activity location	Western Australia
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	Gainsborough Hardware Industries Ltd

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Gainsborough Hardware Industries Ltd

### **Greenhouse Gas Emissions**

<i>Scope 1 (t CO2-e)</i>	<i>Scope 2 (t CO2-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO2-e)</i>
54	45	99

### **Energy Produced and Energy Consumed**

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
975	975	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<i>Carbon Dioxide CO2 (t CO2-e)</i>	<i>Methane CH4 (t CO2-e)</i>	<i>Nitrous Oxide N2O (t CO2-e)</i>	<i>Perfluorocarbons PFCs (t CO2-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO2-e)</i>	<i>Sulphur Hexafluoride SF6 (t CO2-e)</i>	<i>Total (t CO2-e)</i>
52	-	2	-	-	-	54



## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	23	kL	34.20	779	66.7	CO2	Method 1	52
										0.6	CH4	Method 1	0
										2.3	N2O	Method 1	2
	Source Total									779	54		
	Total								779				

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	54,359	kWh	0.82	45
Total				45



### ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
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	combustion	A	23	KL	34.2	779
						Total	779

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	54,359	kWh	0.0036	196
						Total	196



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## **42: GAINSBOROUGH - VIC - (AUSTRAL) BROOKLYN - EXPORT DRIVE - FACILITY**

### **Emissions from operation of facility - operational control**

Name	Gainsborough - VIC - (Austral) Brooklyn - Export Drive
Facility Street Address	42 Export Drive BROOKLYN Victoria 3012 AUSTRALIA
Geographic Coordinates	Latitude 37.821S / Longitude 144.855E
Facility location	None
Activity location	Victoria
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	Gainsborough Hardware Industries Ltd

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Gainsborough Hardware Industries Ltd

### **Greenhouse Gas Emissions**

Scope 1 (t CO <sub>2</sub> -e)	Scope 2 (t CO <sub>2</sub> -e)	Total of Scope 1 and Scope 2 (t CO <sub>2</sub> -e)
604	792	1,396

### **Energy Produced and Energy Consumed**

Energy Consumed Total (GJ)	Energy Consumed Net (GJ)	Energy Produced (GJ)
14,212	14,212	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

Carbon Dioxide CO <sub>2</sub> (t CO <sub>2</sub> -e)	Methane CH <sub>4</sub> (t CO <sub>2</sub> -e)	Nitrous Oxide N <sub>2</sub> O (t CO <sub>2</sub> -e)	Perfluorocarbons PFCs (t CO <sub>2</sub> -e)	Hydro Fluoro Carbons HFCs (t CO <sub>2</sub> -e)	Sulphur Hexafluoride SF <sub>6</sub> (t CO <sub>2</sub> -e)	Total (t CO <sub>2</sub> -e)
603	1	-	-	-	-	604



## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of gaseous fuels - Stationary energy purposes	Natural gas distributed in a pipeline	combustion	A	11,742	GJ	1.00	11,742	51.2	CO <sub>2</sub>	Method 1	601
										0.1	CH <sub>4</sub>	Method 1	1
										0.03	N <sub>2</sub> O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Stationary energy purposes	Liquefied petroleum gas	combustion	A	1	kL	25.70	30	59.6	CO <sub>2</sub>	Method 1	2
										0.1	CH <sub>4</sub>	Method 1	0
										0.2	N <sub>2</sub> O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy	Emissions released from combustion of petroleum	Petroleum based greases	combustion	A	1	kL	38.80	43	-	CO <sub>2</sub>	Other Method	0



Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)
	purposes	based oils or greases											
	Source Total								11,815				604
	Total								11,815				

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	665,929	kWh	1.19	792
Total				792

## 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	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
Emissions released from combustion of gaseous fuels - Stationary energy purposes	Natural gas distributed in a pipeline	combustion	A	11,742	GJ	1	11,742
Emissions released from combustion of	Liquefied petroleum gas	combustion	A	1	KL	25.7	30



Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
liquid fuels other than petroleum oils or greases - Stationary energy purposes							
Emissions released from combustion of petroleum based oils or greases	Petroleum based greases	combustion	A	1	kL	38.8	43
						Total	11,815

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	665,929	kWh	0.0036	2,397
						Total	2,397

### INCIDENTAL EMISSIONS

This Report contains greenhouse gas emissions and energy information from facilities that is incidental to the operation of the facility and reported in accordance with NGER Regulation 4.27. The measurement of the production of energy from these sources using another method or criteria in the NGER Determination would cause the corporation significant hardship or expense.



## INCIDENTAL EMISSIONS AND ENERGY

The following tables summarise total greenhouse gas emissions from operation of this facility during the reporting period

### Greenhouse Gas Emissions

<i>Scope 1 (t CO2-e)</i>	<i>Scope 2 (t CO2-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO2-e)</i>
-	-	-

### Energy Produced and Energy Consumed

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
-	-	-

### Greenhouse Gas Scope 1 Emissions By Gas

<i>Carbon Dioxide CO2 (t CO2-e)</i>	<i>Methane CH4 (t CO2-e)</i>	<i>Nitrous Oxide N2O (t CO2-e)</i>	<i>Perfluorocarbons PFCs (t CO2-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO2-e)</i>	<i>Sulphur Hexafluoride SF6 (t CO2-e)</i>	<i>Total (t CO2-e)</i>
-	-	-	-	-	-	-

## INCIDENTAL EMISSIONS

<i>Source of Emissions</i>	<i>Activity Type</i>	<i>Fuel Type Or Energy Commodity</i>	<i>Criterion</i>	<i>Gases</i>	<i>Scope 1 Incidental Emissions (t CO2-e)</i>
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<i>Source of Emissions</i>	<i>Activity Type</i>	<i>Fuel Type Or Energy Commodity</i>	<i>Criterion</i>	<i>Gases</i>	<i>Scope 1 Incidental Emissions (t CO2-e)</i>
Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of petroleum based oils or greases	Petroleum based greases	A	CO2	-
Total:					-



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### 43: GAINSBOROUGH - VIC - BLACKBURN - 190 WHITEHORSE RD - FACILITY

#### Emissions from operation of facility - operational control

Name	Gainsborough - VIC - Blackburn - 190 Whitehorse Rd
Facility Street Address	190 Whitehorse Road BLACKBURN Victoria 3130 AUSTRALIA
Geographic Coordinates	Latitude 37.818S / Longitude 145.159E
Facility location	None
Activity location	Victoria
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	Gainsborough Hardware Industries Ltd

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Gainsborough Hardware Industries Ltd

#### Greenhouse Gas Emissions

Scope 1 (t CO <sub>2</sub> -e)	Scope 2 (t CO <sub>2</sub> -e)	Total of Scope 1 and Scope 2 (t CO <sub>2</sub> -e)
112	197	309

#### Energy Produced and Energy Consumed

Energy Consumed Total (GJ)	Energy Consumed Net (GJ)	Energy Produced (GJ)
2,202	2,202	-

#### Greenhouse Gas Scope 1 Emissions By Gas

Carbon Dioxide CO <sub>2</sub> (t CO <sub>2</sub> -e)	Methane CH <sub>4</sub> (t CO <sub>2</sub> -e)	Nitrous Oxide N <sub>2</sub> O (t CO <sub>2</sub> -e)	Perfluorocarbons PFCs (t CO <sub>2</sub> -e)	Hydro Fluoro Carbons HFCs (t CO <sub>2</sub> -e)	Sulphur Hexafluoride SF <sub>6</sub> (t CO <sub>2</sub> -e)	Total (t CO <sub>2</sub> -e)
107	1	4	-	-	-	112



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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of gaseous fuels - Stationary energy purposes	Natural gas distributed in a pipeline	combustion	A	39	GJ	1.00	39	51.2	CO <sub>2</sub>	Method 1	2
										0.1	CH <sub>4</sub>	Method 1	0
										0.03	N <sub>2</sub> O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Stationary energy purposes	Liquefied petroleum gas	combustion	A	-	kL	25.70	10	59.6	CO <sub>2</sub>	Method 1	1
										0.1	CH <sub>4</sub>	Method 1	0
										0.2	N <sub>2</sub> O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy	Emissions released from combustion of liquid fuels other	Gasoline (other than for use as fuel in an aircraft) - Transport	combustion	A	46	kL	34.20	1,558	66.7	CO <sub>2</sub>	Method 1	104
										0.6	CH <sub>4</sub>	Method 1	1
										2.3	N <sub>2</sub> O	Method 1	4



Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)
	purposes	than petroleum oils or greases - Transport energy purposes											
	Source Total								1,607				112
	Total								1,607				

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	165,298	kWh	1.19	197
Total				197

## ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
Emissions released from combustion of liquid fuels other	Gasoline (other than for use as fuel in an aircraft) - Transport	combustion	A	46	KL	34.2	1,558



Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
than petroleum oils or greases - Transport energy purposes							
						Total	1,558

### 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	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
Emissions released from combustion of gaseous fuels - Stationary energy purposes	Natural gas distributed in a pipeline	combustion	A	39	GJ	1	39
Emissions released from combustion of liquid fuels other than petroleum oils or greases - Stationary energy purposes	Liquefied petroleum gas	combustion	A	-	kL	25.7	10
						Total	49

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
Purchase of	-	-	-	165,298	kWh	0.0036	595



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<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
electricity from main electricity grid in a State or Territory							
						Total	595



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#### **44: BRIVIS CLIMATE SYSTEMS - GROUP MEMBER**

<b>Name:</b>	<i>Brivis Climate Systems</i>
Australian Business Number (ABN)	64096079088
Trading Name	GWA Heating & Cooling
Australian Registered Body Number (ARBN)	-
Australian Company Number (ACN)	-
Street address line 1	61 Malcolm Road
Street address line 2	-
Street address line 3	-
Street city/suburb	BRAESIDE
Street state	Victoria
Street postcode	3195
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**

<b>Scope 1 (t CO<sub>2</sub>-e)</b>	<b>Scope 2 (t CO<sub>2</sub>-e)</b>	<b>Total of Scope 1 and Scope 2 (t CO<sub>2</sub>-e)</b>
663	1,876	2,539

#### **Energy Produced and Energy Consumed**

<b>Energy Consumed Total (GJ)</b>	<b>Energy Consumed Net (GJ)</b>	<b>Energy Produced (GJ)</b>
16,645	16,645	-

#### **Greenhouse Gas Scope 1 Emissions By Gas**

<b>Carbon Dioxide CO<sub>2</sub> (t CO<sub>2</sub>-e)</b>	<b>Methane CH<sub>4</sub> (t CO<sub>2</sub>-e)</b>	<b>Nitrous Oxide N<sub>2</sub>O (t CO<sub>2</sub>-e)</b>	<b>Perfluorocarbons PFCs (t CO<sub>2</sub>-e)</b>	<b>Hydro Fluoro Carbons HFCs (t CO<sub>2</sub>-e)</b>	<b>Sulphur Hexafluoride SF<sub>6</sub> (t CO<sub>2</sub>-e)</b>	<b>Total (t CO<sub>2</sub>-e)</b>
650	3	10	-	-	-	663





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## **45: BRIVIS - VIC - BRAESIDE - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>Brivis - VIC - Braeside</i>
Facility Street Address	61 Malcolm Road BRAESIDE Victoria 3195 AUSTRALIA
Geographic Coordinates	Latitude 38.001S / Longitude 145.114E
Facility location	None
Activity location	Victoria
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	Brivis Climate Systems

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of Brivis Climate Systems

### **Greenhouse Gas Emissions**

<i>Scope 1 (t CO2-e)</i>	<i>Scope 2 (t CO2-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO2-e)</i>
663	1,876	2,539

### **Energy Produced and Energy Consumed**

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
16,645	16,645	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<i>Carbon Dioxide CO2 (t CO2-e)</i>	<i>Methane CH4 (t CO2-e)</i>	<i>Nitrous Oxide N2O (t CO2-e)</i>	<i>Perfluorocarbons PFCs (t CO2-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO2-e)</i>	<i>Sulphur Hexafluoride SF6 (t CO2-e)</i>	<i>Total (t CO2-e)</i>
650	3	10	-	-	-	663



## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of gaseous fuels - Stationary energy purposes	Natural gas distributed in a pipeline	combustion	A	5,075	GJ	1.00	5,075	51.2	CO <sub>2</sub>	Method 1	260
										0.1	CH <sub>4</sub>	Method 1	1
										0.03	N <sub>2</sub> O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Stationary energy purposes	Liquefied petroleum gas	combustion	A	7	kL	25.70	180	59.6	CO <sub>2</sub>	Method 1	11
										0.1	CH <sub>4</sub>	Method 1	0
										0.2	N <sub>2</sub> O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy	Emissions released from combustion of liquid fuels other	Liquefied petroleum gas - Transport	combustion	A	12	kL	26.20	310	59.6	CO <sub>2</sub>	Method 1	18
										0.6	CH <sub>4</sub>	Method 1	0
										0.6	N <sub>2</sub> O	Method 1	0



Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)
	purposes	than petroleum oils or greases - Transport energy purposes											
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	41	KL	38.60	1,596	69.2	CO <sub>2</sub>	Method 1	110
										0.2	CH <sub>4</sub>	Method 1	0
										0.5	N <sub>2</sub> O	Method 1	1
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport	Gasoline (other than for use as fuel in an aircraft) - Transport	combustion	A	110	KL	34.20	3,761	66.7	CO <sub>2</sub>	Method 1	251
										0.6	CH <sub>4</sub>	Method 1	2
										2.3	N <sub>2</sub> O	Method 1	9

**SENSITIVE**



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Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)
		energy purposes											
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of petroleum based oils or greases	Petroleum based oils (other than petroleum based oil used as fuel)	combustion	A	1	KL	38.80	47	-	CO <sub>2</sub>	Other Method	0
	Source Total								10,969				663
	Total								10,969				

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	1,576,793	kWh	1.19	1,876
Total				1,876

## ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
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Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Liquefied petroleum gas - Transport	combustion	A	12	KL	26.2	310
Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	41	KL	38.6	1,596
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	combustion	A	110	KL	34.2	3,761
						Total	5,667

### 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	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
Emissions released from combustion of gaseous fuels -	Natural gas distributed in a pipeline	combustion	A	5,075	GJ	1	5,075



<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Stationary energy purposes							
Emissions released from combustion of liquid fuels other than petroleum oils or greases - Stationary energy purposes	Liquefied petroleum gas	combustion	A	7	kL	25.7	180
Emissions released from combustion of petroleum based oils or greases	Petroleum based oils (other than petroleum based oil used as fuel)	combustion	A	1	kL	38.8	47
						Total	5,302

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	1,576,793	kWh	0.0036	5,676
						Total	5,676



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## INCIDENTAL EMISSIONS

This Report contains greenhouse gas emissions and energy information from facilities that is incidental to the operation of the facility and reported in accordance with NGER Regulation 4.27. The measurement of the production of energy from these sources using another method or criteria in the NGER Determination would cause the corporation significant hardship or expense.

## INCIDENTAL EMISSIONS AND ENERGY

The following tables summarise total greenhouse gas emissions from operation of this facility during the reporting period

### Greenhouse Gas Emissions

<i>Scope 1 (t CO2-e)</i>	<i>Scope 2 (t CO2-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO2-e)</i>
-	-	-

### Energy Produced and Energy Consumed

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
-	-	-

### Greenhouse Gas Scope 1 Emissions By Gas

<i>Carbon Dioxide CO2 (t CO2-e)</i>	<i>Methane CH4 (t CO2-e)</i>	<i>Nitrous Oxide N2O (t CO2-e)</i>	<i>Perfluorocarbons PFCs (t CO2-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO2-e)</i>	<i>Sulphur Hexafluoride SF6 (t CO2-e)</i>	<i>Total (t CO2-e)</i>



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<i>Carbon Dioxide CO2 (t CO2-e)</i>	<i>Methane CH4 (t CO2-e)</i>	<i>Nitrous Oxide N2O (t CO2-e)</i>	<i>Perfluorocarbons PFCs (t CO2-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO2-e)</i>	<i>Sulphur Hexafluoride SF6 (t CO2-e)</i>	<i>Total (t CO2-e)</i>
-	-	-	-	-	-	-

## INCIDENTAL EMISSIONS

<i>Source of Emissions</i>	<i>Activity Type</i>	<i>Fuel Type Or Energy Commodity</i>	<i>Criterion</i>	<i>Gases</i>	<i>Scope 1 Incidental Emissions (t CO2-e)</i>
Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of petroleum based oils or greases	Petroleum based oils (other than petroleum based oil used as fuel)	A	CO2	-
Total:					-





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#### **46: API SERVICES AND SOLUTIONS PTY LIMITED - GROUP MEMBER**

<b>Name:</b>	<i>API SERVICES AND SOLUTIONS PTY LIMITED</i>
Australian Business Number (ABN)	20146230711
Australian Company Number (ACN)	146230711
Australian Registered Body Number (ARBN)	-
Trading Name	API Locksmith
Street address line 1	Normanby Road
Street address line 2	-
Street address line 3	-
Street city/suburb	South Melbourne
Street state	Victoria
Street postcode	3205
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**

<b>Scope 1 (t CO<sub>2</sub>-e)</b>	<b>Scope 2 (t CO<sub>2</sub>-e)</b>	<b>Total of Scope 1 and Scope 2 (t CO<sub>2</sub>-e)</b>
427	327	754

#### **Energy Produced and Energy Consumed**

<b>Energy Consumed Total (GJ)</b>	<b>Energy Consumed Net (GJ)</b>	<b>Energy Produced (GJ)</b>
7,273	7,273	-

#### **Greenhouse Gas Scope 1 Emissions By Gas**

<b>Carbon Dioxide CO<sub>2</sub> (t CO<sub>2</sub>-e)</b>	<b>Methane CH<sub>4</sub> (t CO<sub>2</sub>-e)</b>	<b>Nitrous Oxide N<sub>2</sub>O (t CO<sub>2</sub>-e)</b>	<b>Perfluorocarbons PFCs (t CO<sub>2</sub>-e)</b>	<b>Hydro Fluoro Carbons HFCs (t CO<sub>2</sub>-e)</b>	<b>Sulphur Hexafluoride SF<sub>6</sub> (t CO<sub>2</sub>-e)</b>	<b>Total (t CO<sub>2</sub>-e)</b>
421	-	6	-	-	-	427



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## **47: API VIC SOUTH MELBOURNE - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>API VIC South Melbourne</i>
Facility Street Address	248 Normanby Road South Melbourne Victoria 3205 AUSTRALIA
Geographic Coordinates	Latitude 37.829S / Longitude 144.948E
Facility location	None
Activity location	Victoria
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	API SERVICES AND SOLUTIONS PTY LIMITED
Number of days with Operational Control:	273
Operational Control Dates:	01/10/2012 - 30/06/2013

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of API SERVICES AND SOLUTIONS PTY LIMITED

### **Greenhouse Gas Emissions**

<i>Scope 1 (t CO<sub>2</sub>-e)</i>	<i>Scope 2 (t CO<sub>2</sub>-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO<sub>2</sub>-e)</i>
80	101	181

### **Energy Produced and Energy Consumed**

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
1,453	1,453	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<i>Carbon Dioxide CO<sub>2</sub> (t CO<sub>2</sub>-e)</i>	<i>Methane CH<sub>4</sub> (t CO<sub>2</sub>-e)</i>	<i>Nitrous Oxide N<sub>2</sub>O (t CO<sub>2</sub>-e)</i>	<i>Perfluorocarbons PFCs (t CO<sub>2</sub>-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO<sub>2</sub>-e)</i>	<i>Sulphur Hexafluoride SF<sub>6</sub> (t CO<sub>2</sub>-e)</i>	<i>Total (t CO<sub>2</sub>-e)</i>
78	-	2	-	-	-	80



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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	8	kL	38.60	328	69.2	CO2	Method 1	23
										0.2	CH4	Method 1	0
										0.5	N2O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	24	kL	34.20	821	66.7	CO2	Method 1	55
										0.6	CH4	Method 1	0
										2.3	N2O	Method 1	2
	Source Total	1,149								80			
	Total								1,149				



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Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	84,529	kWh	1.19	101
Total				101

## ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	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	8	kL	38.6	328
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	combustion	A	24	kL	34.2	821



<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
						Total	1,149

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	84,529	kWh	0.0036	304
						Total	304



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**Clean Energy Regulator**

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## **48: API ACT CANBERRA - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>API ACT Canberra</i>
Facility Street Address	Unit 2 73 Collie Street Fyskwick Australian Capital Territory 2609 AUSTRALIA
Geographic Coordinates	Latitude 35.330S / Longitude 149.180E
Facility location	None
Activity location	Australian Capital Territory
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	API SERVICES AND SOLUTIONS PTY LIMITED
Number of days with Operational Control:	273
Operational Control Dates:	01/10/2012 - 30/06/2013

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of API SERVICES AND SOLUTIONS PTY LIMITED

### **Greenhouse Gas Emissions**

<i>Scope 1 (t CO<sub>2</sub>-e)</i>	<i>Scope 2 (t CO<sub>2</sub>-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO<sub>2</sub>-e)</i>
14	7	21

### **Energy Produced and Energy Consumed**

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
225	225	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<i>Carbon Dioxide CO<sub>2</sub> (t CO<sub>2</sub>-e)</i>	<i>Methane CH<sub>4</sub> (t CO<sub>2</sub>-e)</i>	<i>Nitrous Oxide N<sub>2</sub>O (t CO<sub>2</sub>-e)</i>	<i>Perfluorocarbons PFCs (t CO<sub>2</sub>-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO<sub>2</sub>-e)</i>	<i>Sulphur Hexafluoride SF<sub>6</sub> (t CO<sub>2</sub>-e)</i>	<i>Total (t CO<sub>2</sub>-e)</i>
14	-	-	-	-	-	14



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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	3	kL	38.60	111	69.2	CO2	Method 1	8
										0.2	CH4	Method 1	0
										0.5	N2O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	3	kL	34.20	86	66.7	CO2	Method 1	6
										0.6	CH4	Method 1	0
										2.3	N2O	Method 1	0
	Source Total	197								14			
	Total								197				





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Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	7,745	kWh	0.88	7
Total				7

## ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	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	3	kL	38.6	111
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	combustion	A	3	kL	34.2	86



Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
						Total	197

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	7,745	kWh	0.0036	28
						Total	28



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**Clean Energy Regulator**

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## **49: API NSW ROCKDALE - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>API NSW Rockdale</i>
Facility Street Address	Shop 2/464 Princes Highway Rockdale New South Wales 2216 AUSTRALIA
Geographic Coordinates	Latitude 33.951S / Longitude 151.138E
Facility location	None
Activity location	New South Wales
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	API SERVICES AND SOLUTIONS PTY LIMITED
Number of days with Operational Control:	273
Operational Control Dates:	01/10/2012 - 30/06/2013

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of API SERVICES AND SOLUTIONS PTY LIMITED

### **Greenhouse Gas Emissions**

<i>Scope 1 (t CO2-e)</i>	<i>Scope 2 (t CO2-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO2-e)</i>
56	13	69

### **Energy Produced and Energy Consumed**

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
858	858	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<i>Carbon Dioxide CO2 (t CO2-e)</i>	<i>Methane CH4 (t CO2-e)</i>	<i>Nitrous Oxide N2O (t CO2-e)</i>	<i>Perfluorocarbons PFCs (t CO2-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO2-e)</i>	<i>Sulphur Hexafluoride SF6 (t CO2-e)</i>	<i>Total (t CO2-e)</i>
55	-	1	-	-	-	56



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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	10	kL	38.60	386	69.2	CO2	Method 1	27
										0.2	CH4	Method 1	0
										0.5	N2O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	12	kL	34.20	420	66.7	CO2	Method 1	28
										0.6	CH4	Method 1	0
										2.3	N2O	Method 1	1
	Source Total	806								56			
	Total								806				



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Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	14,557	kWh	0.88	13
Total				13

## ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	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	10	kL	38.6	386
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	combustion	A	12	kL	34.2	420



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<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
						Total	806

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	14,557	kWh	0.0036	52
						Total	52



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## **50: API NSW ST LEONARDS - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>API NSW St Leonards</i>
Facility Street Address	42 Dickson Street Artamon New South Wales 2064 AUSTRALIA
Geographic Coordinates	Latitude 33.816S / Longitude 151.184E
Facility location	None
Activity location	New South Wales
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	API SERVICES AND SOLUTIONS PTY LIMITED
Number of days with Operational Control:	273
Operational Control Dates:	01/10/2012 - 30/06/2013

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of API SERVICES AND SOLUTIONS PTY LIMITED

### **Greenhouse Gas Emissions**

<i>Scope 1 (t CO<sub>2</sub>-e)</i>	<i>Scope 2 (t CO<sub>2</sub>-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO<sub>2</sub>-e)</i>
26	14	40

### **Energy Produced and Energy Consumed**

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
437	437	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<i>Carbon Dioxide CO<sub>2</sub> (t CO<sub>2</sub>-e)</i>	<i>Methane CH<sub>4</sub> (t CO<sub>2</sub>-e)</i>	<i>Nitrous Oxide N<sub>2</sub>O (t CO<sub>2</sub>-e)</i>	<i>Perfluorocarbons PFCs (t CO<sub>2</sub>-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO<sub>2</sub>-e)</i>	<i>Sulphur Hexafluoride SF<sub>6</sub> (t CO<sub>2</sub>-e)</i>	<i>Total (t CO<sub>2</sub>-e)</i>
26	-	-	-	-	-	26



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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	6	kL	38.60	234	69.2	CO2	Method 1	16
										0.2	CH4	Method 1	0
										0.5	N2O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	4	kL	34.20	146	66.7	CO2	Method 1	10
										0.6	CH4	Method 1	0
										2.3	N2O	Method 1	0
	Source Total	380								26			
	Total								380				





Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	15,798	kWh	0.88	14
Total				14

## ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	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	6	kL	38.6	234
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	combustion	A	4	kL	34.2	146



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<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
						Total	380

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	15,798	kWh	0.0036	57
						Total	57



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## **51: API QLD MILTON - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>API QLD Milton</i>
Facility Street Address	Unit 13 Lang Parade Milton Queensland 4064 AUSTRALIA
Geographic Coordinates	Latitude 27.474S / Longitude 153.002E
Facility location	None
Activity location	Queensland
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	API SERVICES AND SOLUTIONS PTY LIMITED
Number of days with Operational Control:	273
Operational Control Dates:	01/10/2012 - 30/06/2013

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of API SERVICES AND SOLUTIONS PTY LIMITED

### **Greenhouse Gas Emissions**

<i>Scope 1 (t CO<sub>2</sub>-e)</i>	<i>Scope 2 (t CO<sub>2</sub>-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO<sub>2</sub>-e)</i>
39	16	55

### **Energy Produced and Energy Consumed**

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
635	635	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<i>Carbon Dioxide CO<sub>2</sub> (t CO<sub>2</sub>-e)</i>	<i>Methane CH<sub>4</sub> (t CO<sub>2</sub>-e)</i>	<i>Nitrous Oxide N<sub>2</sub>O (t CO<sub>2</sub>-e)</i>	<i>Perfluorocarbons PFCs (t CO<sub>2</sub>-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO<sub>2</sub>-e)</i>	<i>Sulphur Hexafluoride SF<sub>6</sub> (t CO<sub>2</sub>-e)</i>	<i>Total (t CO<sub>2</sub>-e)</i>
38	-	1	-	-	-	39



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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	6	kL	38.60	248	69.2	CO2	Method 1	17
										0.2	CH4	Method 1	0
										0.5	N2O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	9	kL	34.20	321	66.7	CO2	Method 1	21
										0.6	CH4	Method 1	0
										2.3	N2O	Method 1	1
	Source Total	569								39			
	Total								569				



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Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	18,402	kWh	0.86	16
Total				16

## ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	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	6	kL	38.6	248
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	combustion	A	9	kL	34.2	321



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<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
						Total	569

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	18,402	kWh	0.0036	66
						Total	66



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## **52: API QLD SOUTHPORT - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>API QLD Southport</i>
Facility Street Address	118 Scarborough Street Southport Queensland 4020 AUSTRALIA
Geographic Coordinates	Latitude 27.965S / Longitude 153.413E
Facility location	None
Activity location	Queensland
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	API SERVICES AND SOLUTIONS PTY LIMITED
Number of days with Operational Control:	273
Operational Control Dates:	01/10/2012 - 30/06/2013

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of API SERVICES AND SOLUTIONS PTY LIMITED

### **Greenhouse Gas Emissions**

<i>Scope 1 (t CO<sub>2</sub>-e)</i>	<i>Scope 2 (t CO<sub>2</sub>-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO<sub>2</sub>-e)</i>
21	16	37

### **Energy Produced and Energy Consumed**

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
373	373	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<i>Carbon Dioxide CO<sub>2</sub> (t CO<sub>2</sub>-e)</i>	<i>Methane CH<sub>4</sub> (t CO<sub>2</sub>-e)</i>	<i>Nitrous Oxide N<sub>2</sub>O (t CO<sub>2</sub>-e)</i>	<i>Perfluorocarbons PFCs (t CO<sub>2</sub>-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO<sub>2</sub>-e)</i>	<i>Sulphur Hexafluoride SF<sub>6</sub> (t CO<sub>2</sub>-e)</i>	<i>Total (t CO<sub>2</sub>-e)</i>
21	-	-	-	-	-	21



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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	3	kL	38.60	116	69.2	CO2	Method 1	8
										0.2	CH4	Method 1	0
										0.5	N2O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	6	kL	34.20	191	66.7	CO2	Method 1	13
										0.6	CH4	Method 1	0
										2.3	N2O	Method 1	0
	Source Total	307								21			
	Total								307				





Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	18,195	kWh	0.86	16
Total				16

## ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	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	3	kL	38.6	116
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	combustion	A	6	kL	34.2	191



<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
						Total	307

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	18,195	kWh	0.0036	66
						Total	66



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### **53: API QLD UNDERWOOD - FACILITY**

#### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>API QLD Underwood</i>
Facility Street Address	Unit 2a 18 Commercial Drive Browns Plains Queensland 4118 AUSTRALIA
Geographic Coordinates	Latitude 27.663S / Longitude 153.046E
Facility location	None
Activity location	Queensland
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	API SERVICES AND SOLUTIONS PTY LIMITED
Number of days with Operational Control:	273
Operational Control Dates:	01/10/2012 - 30/06/2013

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of API SERVICES AND SOLUTIONS PTY LIMITED

#### **Greenhouse Gas Emissions**

<b>Scope 1 (t CO<sub>2</sub>-e)</b>	<b>Scope 2 (t CO<sub>2</sub>-e)</b>	<b>Total of Scope 1 and Scope 2 (t CO<sub>2</sub>-e)</b>
10	9	19

#### **Energy Produced and Energy Consumed**

<b>Energy Consumed Total (GJ)</b>	<b>Energy Consumed Net (GJ)</b>	<b>Energy Produced (GJ)</b>
176	176	-

#### **Greenhouse Gas Scope 1 Emissions By Gas**

<b>Carbon Dioxide CO<sub>2</sub> (t CO<sub>2</sub>-e)</b>	<b>Methane CH<sub>4</sub> (t CO<sub>2</sub>-e)</b>	<b>Nitrous Oxide N<sub>2</sub>O (t CO<sub>2</sub>-e)</b>	<b>Perfluorocarbons PFCs (t CO<sub>2</sub>-e)</b>	<b>Hydro Fluoro Carbons HFCs (t CO<sub>2</sub>-e)</b>	<b>Sulphur Hexafluoride SF<sub>6</sub> (t CO<sub>2</sub>-e)</b>	<b>Total (t CO<sub>2</sub>-e)</b>
10	-	-	-	-	-	10



## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	4	kL	38.60	139	69.2	CO2	Method 1	10
										0.2	CH4	Method 1	0
										0.5	N2O	Method 1	0
	Source Total									139	10		
	Total								139				

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	10,339	kWh	0.86	9
Total				9



### ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	4	KL	38.6	139
						Total	139

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	10,339	kWh	0.0036	37
						Total	37



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## **54: API SA ADELAIDE - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>API SA Adelaide</i>
<i>Facility Street Address</i>	Unit 2 60 Grove Avenue Adelaide South Australia 7000 AUSTRALIA
<i>Geographic Coordinates</i>	Latitude 34.947S / Longitude 138.562E
<i>Facility location</i>	None
<i>Activity location</i>	South Australia
<i>Location description</i>	-
<i>Activity description</i>	-
<i>ANZSIC Code</i>	333 - Timber and hardware goods wholesaling
<i>Group Member with Operational Control</i>	API SERVICES AND SOLUTIONS PTY LIMITED
<i>Number of days with Operational Control:</i>	273
<i>Operational Control Dates:</i>	01/10/2012 - 30/06/2013

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of API SERVICES AND SOLUTIONS PTY LIMITED

### **Greenhouse Gas Emissions**

<i>Scope 1 (t CO<sub>2</sub>-e)</i>	<i>Scope 2 (t CO<sub>2</sub>-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO<sub>2</sub>-e)</i>
16	6	22

### **Energy Produced and Energy Consumed**

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
258	258	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<i>Carbon Dioxide CO<sub>2</sub> (t CO<sub>2</sub>-e)</i>	<i>Methane CH<sub>4</sub> (t CO<sub>2</sub>-e)</i>	<i>Nitrous Oxide N<sub>2</sub>O (t CO<sub>2</sub>-e)</i>	<i>Perfluorocarbons PFCs (t CO<sub>2</sub>-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO<sub>2</sub>-e)</i>	<i>Sulphur Hexafluoride SF<sub>6</sub> (t CO<sub>2</sub>-e)</i>	<i>Total (t CO<sub>2</sub>-e)</i>
15	-	1	-	-	-	16



## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	7	kL	34.20	223	66.7	CO2	Method 1	15
										0.6	CH4	Method 1	0
										2.3	N2O	Method 1	1
	Source Total									223	16		
	Total								223				

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	9,600	kWh	0.65	6
Total				6



### ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
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	combustion	A	7	KL	34.2	223
						Total	223

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	9,600	kWh	0.0036	35
						Total	35





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## **55: API VIC DANDENONG - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>API VIC Dandenong</i>
Facility Street Address	4/171-173 Cheltenham Road Dandenong Victoria 3175 AUSTRALIA
Geographic Coordinates	Latitude 37.988S / Longitude 145.194E
Facility location	None
Activity location	Victoria
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	API SERVICES AND SOLUTIONS PTY LIMITED
Number of days with Operational Control:	272
Operational Control Dates:	02/10/2012 - 30/06/2013

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of API SERVICES AND SOLUTIONS PTY LIMITED

### **Greenhouse Gas Emissions**

<i>Scope 1 (t CO<sub>2</sub>-e)</i>	<i>Scope 2 (t CO<sub>2</sub>-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO<sub>2</sub>-e)</i>
8	12	20

### **Energy Produced and Energy Consumed**

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
153	153	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<i>Carbon Dioxide CO<sub>2</sub> (t CO<sub>2</sub>-e)</i>	<i>Methane CH<sub>4</sub> (t CO<sub>2</sub>-e)</i>	<i>Nitrous Oxide N<sub>2</sub>O (t CO<sub>2</sub>-e)</i>	<i>Perfluorocarbons PFCs (t CO<sub>2</sub>-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO<sub>2</sub>-e)</i>	<i>Sulphur Hexafluoride SF<sub>6</sub> (t CO<sub>2</sub>-e)</i>	<i>Total (t CO<sub>2</sub>-e)</i>
8	-	-	-	-	-	8



## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	3	kL	38.60	117	69.2	CO2	Method 1	8
										0.2	CH4	Method 1	0
										0.5	N2O	Method 1	0
	Source Total									117	8		
	Total								117				

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	10,040	kWh	1.19	12
Total				12



### ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	3	KL	38.6	117
						Total	117

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	10,040	kWh	0.0036	36
						Total	36



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## **56: API VIC GREENSBOROUGH - FACILITY**

### **Emissions from operation of facility - operational control**

Name	API VIC Greensborough
Facility Street Address	Shop 6 93-95 Grimshaw Street Greensborough Victoria 3088 AUSTRALIA
Geographic Coordinates	Latitude 37.704S / Longitude 145.102E
Facility location	None
Activity location	Victoria
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	API SERVICES AND SOLUTIONS PTY LIMITED
Number of days with Operational Control:	273
Operational Control Dates:	01/10/2012 - 30/06/2013

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of API SERVICES AND SOLUTIONS PTY LIMITED

### **Greenhouse Gas Emissions**

Scope 1 (t CO <sub>2</sub> -e)	Scope 2 (t CO <sub>2</sub> -e)	Total of Scope 1 and Scope 2 (t CO <sub>2</sub> -e)
12	13	25

### **Energy Produced and Energy Consumed**

Energy Consumed Total (GJ)	Energy Consumed Net (GJ)	Energy Produced (GJ)
224	224	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

Carbon Dioxide CO <sub>2</sub> (t CO <sub>2</sub> -e)	Methane CH <sub>4</sub> (t CO <sub>2</sub> -e)	Nitrous Oxide N <sub>2</sub> O (t CO <sub>2</sub> -e)	Perfluorocarbons PFCs (t CO <sub>2</sub> -e)	Hydro Fluoro Carbons HFCs (t CO <sub>2</sub> -e)	Sulphur Hexafluoride SF <sub>6</sub> (t CO <sub>2</sub> -e)	Total (t CO <sub>2</sub> -e)
12	-	-	-	-	-	12



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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	4	kL	38.60	136	69.2	CO2	Method 1	9
										0.2	CH4	Method 1	0
										0.5	N2O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	1	kL	34.20	48	66.7	CO2	Method 1	3
										0.6	CH4	Method 1	0
										2.3	N2O	Method 1	0
	Source Total	184								12			
	Total								184				



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Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	11,075	kWh	1.19	13
Total				13

## ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	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	4	kL	38.6	136
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	combustion	A	1	kL	34.2	48



<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
						Total	184

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	11,075	kWh	0.0036	40
						Total	40



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## **57: API VIC GEELONG - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>API VIC Geelong</i>
Facility Street Address	59 Ryrie Street Geelong Victoria 3220 AUSTRALIA
Geographic Coordinates	Latitude 38.148S / Longitude 144.356E
Facility location	None
Activity location	Victoria
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	API SERVICES AND SOLUTIONS PTY LIMITED
Number of days with Operational Control:	273
Operational Control Dates:	01/10/2012 - 30/06/2013

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of API SERVICES AND SOLUTIONS PTY LIMITED

### **Greenhouse Gas Emissions**

<i>Scope 1 (t CO2-e)</i>	<i>Scope 2 (t CO2-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO2-e)</i>
8	21	29

### **Energy Produced and Energy Consumed**

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
174	174	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<i>Carbon Dioxide CO2 (t CO2-e)</i>	<i>Methane CH4 (t CO2-e)</i>	<i>Nitrous Oxide N2O (t CO2-e)</i>	<i>Perfluorocarbons PFCs (t CO2-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO2-e)</i>	<i>Sulphur Hexafluoride SF6 (t CO2-e)</i>	<i>Total (t CO2-e)</i>
8	-	-	-	-	-	8





## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	3	kL	38.60	112	69.2	CO2	Method 1	8
										0.2	CH4	Method 1	0
										0.5	N2O	Method 1	0
	Source Total								112				8
	Total								112				

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	17,357	kWh	1.19	21
Total				21



### ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	3	KL	38.6	112
						Total	112

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	17,357	kWh	0.0036	62
						Total	62



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## **58: API VIC HEIDELBERG - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>API VIC Heidelberg</i>
Facility Street Address	181 Burgandy Street Heidelberg Victoria 3084 AUSTRALIA
Geographic Coordinates	Latitude 37.756S / Longitude 145.064E
Facility location	None
Activity location	Victoria
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	API SERVICES AND SOLUTIONS PTY LIMITED
Number of days with Operational Control:	273
Operational Control Dates:	01/10/2012 - 30/06/2013

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of API SERVICES AND SOLUTIONS PTY LIMITED

### **Greenhouse Gas Emissions**

<i>Scope 1 (t CO<sub>2</sub>-e)</i>	<i>Scope 2 (t CO<sub>2</sub>-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO<sub>2</sub>-e)</i>
29	31	60

### **Energy Produced and Energy Consumed**

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
515	515	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<i>Carbon Dioxide CO<sub>2</sub> (t CO<sub>2</sub>-e)</i>	<i>Methane CH<sub>4</sub> (t CO<sub>2</sub>-e)</i>	<i>Nitrous Oxide N<sub>2</sub>O (t CO<sub>2</sub>-e)</i>	<i>Perfluorocarbons PFCs (t CO<sub>2</sub>-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO<sub>2</sub>-e)</i>	<i>Sulphur Hexafluoride SF<sub>6</sub> (t CO<sub>2</sub>-e)</i>	<i>Total (t CO<sub>2</sub>-e)</i>
29	-	-	-	-	-	29



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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	7	kL	38.60	261	69.2	CO2	Method 1	18
										0.2	CH4	Method 1	0
										0.5	N2O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	5	kL	34.20	160	66.7	CO2	Method 1	11
										0.6	CH4	Method 1	0
										2.3	N2O	Method 1	0
	Source Total	421								29			
	Total								421				



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Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	26,000	kWh	1.19	31
Total				31

## ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	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	7	kL	38.6	261
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	combustion	A	5	kL	34.2	160



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<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
						Total	421

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	26,000	kWh	0.0036	94
						Total	94



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## **59: API VIC MELBOURNE CBD - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>API VIC Melbourne CBD</i>
Facility Street Address	414 Latrobe Street Black Rock Melbourne Victoria 3000 AUSTRALIA
Geographic Coordinates	Latitude 37.811S / Longitude 144.957E
Facility location	None
Activity location	Victoria
Location description	Australia
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	API SERVICES AND SOLUTIONS PTY LIMITED
Number of days with Operational Control:	273
Operational Control Dates:	01/10/2012 - 30/06/2013

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of API SERVICES AND SOLUTIONS PTY LIMITED

### **Greenhouse Gas Emissions**

<i>Scope 1 (t CO<sub>2</sub>-e)</i>	<i>Scope 2 (t CO<sub>2</sub>-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO<sub>2</sub>-e)</i>
-	14	14

### **Energy Produced and Energy Consumed**

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
42	42	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<i>Carbon Dioxide CO<sub>2</sub> (t CO<sub>2</sub>-e)</i>	<i>Methane CH<sub>4</sub> (t CO<sub>2</sub>-e)</i>	<i>Nitrous Oxide N<sub>2</sub>O (t CO<sub>2</sub>-e)</i>	<i>Perfluorocarbons PFCs (t CO<sub>2</sub>-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO<sub>2</sub>-e)</i>	<i>Sulphur Hexafluoride SF<sub>6</sub> (t CO<sub>2</sub>-e)</i>	<i>Total (t CO<sub>2</sub>-e)</i>
-	-	-	-	-	-	-



## SCOPE 2 EMISSIONS

<i>Activity Type</i>	<i>Amount</i>	<i>Units</i>	<i>Emission Factor (kg CO<sub>2</sub>-e / unit)</i>	<i>Scope 2 Emissions (t CO<sub>2</sub>-e)</i>
Purchase of electricity from main electricity grid in a State or Territory	11,774	kWh	1.19	14
Total				14

## ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	11,774	kWh	0.0036	42
						Total	42





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## **60: API VIC MOORABBIN - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>API VIC Moorabbin</i>
Facility Street Address	163 Chesterville Road Moorabbin Victoria 3189 AUSTRALIA
Geographic Coordinates	Latitude 37.946S / Longitude 145.059E
Facility location	None
Activity location	Victoria
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	API SERVICES AND SOLUTIONS PTY LIMITED
Number of days with Operational Control:	273
Operational Control Dates:	01/10/2012 - 30/06/2013

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of API SERVICES AND SOLUTIONS PTY LIMITED

### **Greenhouse Gas Emissions**

<i>Scope 1 (t CO<sub>2</sub>-e)</i>	<i>Scope 2 (t CO<sub>2</sub>-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO<sub>2</sub>-e)</i>
24	14	38

### **Energy Produced and Energy Consumed**

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
381	381	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<i>Carbon Dioxide CO<sub>2</sub> (t CO<sub>2</sub>-e)</i>	<i>Methane CH<sub>4</sub> (t CO<sub>2</sub>-e)</i>	<i>Nitrous Oxide N<sub>2</sub>O (t CO<sub>2</sub>-e)</i>	<i>Perfluorocarbons PFCs (t CO<sub>2</sub>-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO<sub>2</sub>-e)</i>	<i>Sulphur Hexafluoride SF<sub>6</sub> (t CO<sub>2</sub>-e)</i>	<i>Total (t CO<sub>2</sub>-e)</i>
24	-	-	-	-	-	24



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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	6	kL	38.60	225	69.2	CO2	Method 1	16
										0.2	CH4	Method 1	0
										0.5	N2O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	3	kL	34.20	114	66.7	CO2	Method 1	8
										0.6	CH4	Method 1	0
										2.3	N2O	Method 1	0
	Source Total	339								24			
	Total								339				



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Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	11,575	kWh	1.19	14
Total				14

## ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	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	6	kL	38.6	225
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	combustion	A	3	kL	34.2	114



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<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
						Total	339

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	11,575	kWh	0.0036	42
						Total	42



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## **61: API VIC NUNAWADING - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>API VIC Nunawading</i>
Facility Street Address	157 Sringvale Road Nunawadging Victoria 3131 AUSTRALIA
Geographic Coordinates	Latitude 37.819S / Longitude 145.176E
Facility location	None
Activity location	Victoria
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	API SERVICES AND SOLUTIONS PTY LIMITED
Number of days with Operational Control:	273
Operational Control Dates:	01/10/2012 - 30/06/2013

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of API SERVICES AND SOLUTIONS PTY LIMITED

### **Greenhouse Gas Emissions**

<i>Scope 1 (t CO<sub>2</sub>-e)</i>	<i>Scope 2 (t CO<sub>2</sub>-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO<sub>2</sub>-e)</i>
11	11	22

### **Energy Produced and Energy Consumed**

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
193	193	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<i>Carbon Dioxide CO<sub>2</sub> (t CO<sub>2</sub>-e)</i>	<i>Methane CH<sub>4</sub> (t CO<sub>2</sub>-e)</i>	<i>Nitrous Oxide N<sub>2</sub>O (t CO<sub>2</sub>-e)</i>	<i>Perfluorocarbons PFCs (t CO<sub>2</sub>-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO<sub>2</sub>-e)</i>	<i>Sulphur Hexafluoride SF<sub>6</sub> (t CO<sub>2</sub>-e)</i>	<i>Total (t CO<sub>2</sub>-e)</i>
11	-	-	-	-	-	11



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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	1	kL	38.60	51	69.2	CO2	Method 1	4
										0.2	CH4	Method 1	0
										0.5	N2O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	3	kL	34.20	108	66.7	CO2	Method 1	7
										0.6	CH4	Method 1	0
										2.3	N2O	Method 1	0
	Source Total	159								11			
	Total								159				



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Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	9,376	kWh	1.19	11
Total				11

## ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	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	1	kL	38.6	51
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	combustion	A	3	kL	34.2	108



<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
						Total	159

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	9,376	kWh	0.0036	34
						Total	34





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## **62: API VIC NIDDRIE - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>API VIC Niddrie</i>
Facility Street Address	489a Keilor Road Niddrie Victoria 3042 AUSTRALIA
Geographic Coordinates	Latitude 37.736S / Longitude 144.889E
Facility location	None
Activity location	Victoria
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	API SERVICES AND SOLUTIONS PTY LIMITED
Number of days with Operational Control:	273
Operational Control Dates:	01/10/2012 - 30/06/2013

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of API SERVICES AND SOLUTIONS PTY LIMITED

### **Greenhouse Gas Emissions**

<i>Scope 1 (t CO<sub>2</sub>-e)</i>	<i>Scope 2 (t CO<sub>2</sub>-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO<sub>2</sub>-e)</i>
23	9	32

### **Energy Produced and Energy Consumed**

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
366	366	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<i>Carbon Dioxide CO<sub>2</sub> (t CO<sub>2</sub>-e)</i>	<i>Methane CH<sub>4</sub> (t CO<sub>2</sub>-e)</i>	<i>Nitrous Oxide N<sub>2</sub>O (t CO<sub>2</sub>-e)</i>	<i>Perfluorocarbons PFCs (t CO<sub>2</sub>-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO<sub>2</sub>-e)</i>	<i>Sulphur Hexafluoride SF<sub>6</sub> (t CO<sub>2</sub>-e)</i>	<i>Total (t CO<sub>2</sub>-e)</i>
23	-	-	-	-	-	23



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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	4	kL	38.60	172	69.2	CO2	Method 1	12
										0.2	CH4	Method 1	0
										0.5	N2O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	5	kL	34.20	167	66.7	CO2	Method 1	11
										0.6	CH4	Method 1	0
										2.3	N2O	Method 1	0
	Source Total	339								23			
	Total								339				



Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	7,564	kWh	1.19	9
Total				9

## ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	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	4	kL	38.6	172
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	combustion	A	5	kL	34.2	167



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<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
						Total	339

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	7,564	kWh	0.0036	27
						Total	27



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### **63: API VIC NOTTING HILL - FACILITY**

#### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>API VIC Notting Hill</i>
Facility Street Address	414 Ferntree Gully Road Notting Hill Victoria 3168 AUSTRALIA
Geographic Coordinates	Latitude 37.901S / Longitude 145.144E
Facility location	None
Activity location	Victoria
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	API SERVICES AND SOLUTIONS PTY LIMITED
Number of days with Operational Control:	273
Operational Control Dates:	01/10/2012 - 30/06/2013

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of API SERVICES AND SOLUTIONS PTY LIMITED

#### **Greenhouse Gas Emissions**

<i>Scope 1 (t CO<sub>2</sub>-e)</i>	<i>Scope 2 (t CO<sub>2</sub>-e)</i>	<i>Total of Scope 1 and Scope 2 (t CO<sub>2</sub>-e)</i>
11	4	15

#### **Energy Produced and Energy Consumed**

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
177	177	-

#### **Greenhouse Gas Scope 1 Emissions By Gas**

<i>Carbon Dioxide CO<sub>2</sub> (t CO<sub>2</sub>-e)</i>	<i>Methane CH<sub>4</sub> (t CO<sub>2</sub>-e)</i>	<i>Nitrous Oxide N<sub>2</sub>O (t CO<sub>2</sub>-e)</i>	<i>Perfluorocarbons PFCs (t CO<sub>2</sub>-e)</i>	<i>Hydro Fluoro Carbons HFCs (t CO<sub>2</sub>-e)</i>	<i>Sulphur Hexafluoride SF<sub>6</sub> (t CO<sub>2</sub>-e)</i>	<i>Total (t CO<sub>2</sub>-e)</i>
11	-	-	-	-	-	11



## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of gaseous fuels - Stationary energy purposes	Natural gas distributed in a pipeline	combustion	A	1	GJ	1.00	1	51.2	CO2	Method 1	0
										0.1	CH4	Method 1	0
										0.03	N2O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	4	kL	38.60	164	69.2	CO2	Method 1	11
										0.2	CH4	Method 1	0
										0.5	N2O	Method 1	0
	Source Total									165	11		
	Total								165				



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## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO2-e / unit)	Scope 2 Emissions (t CO2-e)
Purchase of electricity from main electricity grid in a State or Territory	3,306	kWh	1.19	4
Total				4

## ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	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	4	KL	38.6	164
						Total	164

## 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	Criteria	Amount	Units	Energy Content Factor (GJ/Unit)	Energy Content (GJ)
Emissions released from combustion of gaseous fuels - Stationary energy purposes	Natural gas distributed in a pipeline	combustion	A	1	GJ	1	1



<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
						Total	1

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	3,306	kWh	0.0036	12
						Total	12





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## **64: API WA CANNING VALE - FACILITY**

### **Emissions from operation of facility - operational control**

<i>Name</i>	<i>API WA Canning Vale</i>
Facility Street Address	Unit 1 176 Bannister Road Canning Vale Western Australia 6155 AUSTRALIA
Geographic Coordinates	Latitude 32.060S / Longitude 115.909E
Facility location	None
Activity location	Western Australia
Location description	-
Activity description	-
ANZSIC Code	333 - Timber and hardware goods wholesaling
Group Member with Operational Control	API SERVICES AND SOLUTIONS PTY LIMITED
Number of days with Operational Control:	272
Operational Control Dates:	02/10/2012 - 30/06/2013

The following tables summarise total greenhouse gas emissions from operation of this facility during the period that it was under the operational control of API SERVICES AND SOLUTIONS PTY LIMITED

### **Greenhouse Gas Emissions**

<b>Scope 1 (t CO<sub>2</sub>-e)</b>	<b>Scope 2 (t CO<sub>2</sub>-e)</b>	<b>Total of Scope 1 and Scope 2 (t CO<sub>2</sub>-e)</b>
39	16	55

### **Energy Produced and Energy Consumed**

<b>Energy Consumed Total (GJ)</b>	<b>Energy Consumed Net (GJ)</b>	<b>Energy Produced (GJ)</b>
633	633	-

### **Greenhouse Gas Scope 1 Emissions By Gas**

<b>Carbon Dioxide CO<sub>2</sub> (t CO<sub>2</sub>-e)</b>	<b>Methane CH<sub>4</sub> (t CO<sub>2</sub>-e)</b>	<b>Nitrous Oxide N<sub>2</sub>O (t CO<sub>2</sub>-e)</b>	<b>Perfluorocarbons PFCs (t CO<sub>2</sub>-e)</b>	<b>Hydro Fluoro Carbons HFCs (t CO<sub>2</sub>-e)</b>	<b>Sulphur Hexafluoride SF<sub>6</sub> (t CO<sub>2</sub>-e)</b>	<b>Total (t CO<sub>2</sub>-e)</b>
38	-	1	-	-	-	39



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## SCOPE 1 EMISSIONS

Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO2-e / GJ)	Gases	Method	Scope 1 Emissions (t CO2-e)
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	Emissions released from combustion of liquid fuels other than petroleum oils or greases - Transport energy purposes	Diesel oil - Transport	combustion	A	5	kL	38.60	212	69.2	CO2	Method 1	15
										0.2	CH4	Method 1	0
										0.5	N2O	Method 1	0
Fuel combustion	Fuel combustion - Stationary and Transport energy purposes	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	combustion	A	10	kL	34.20	349	66.7	CO2	Method 1	23
										0.6	CH4	Method 1	0
										2.3	N2O	Method 1	1
	Source Total	561								39			
	Total								561				



Source Category	Source of Emissions	Activity Type	Fuel/Energy Commodity	Fuel Usage	Criteria	Amount	Unit	Energy Content Factor (GJ/Unit)	Energy Content (GJ)	Emission Factor (kg CO <sub>2</sub> -e / GJ)	Gases	Method	Scope 1 Emissions (t CO <sub>2</sub> -e)

## SCOPE 2 EMISSIONS

Activity Type	Amount	Units	Emission Factor (kg CO <sub>2</sub> -e / unit)	Scope 2 Emissions (t CO <sub>2</sub> -e)
Purchase of electricity from main electricity grid in a State or Territory	20,018	kWh	0.82	16
Total				16

## ENERGY CONSUMED BY MEANS OF COMBUSTION FOR TRANSPORT

Activity Type	Fuel / Energy Commodity	Fuel Usage	Criteria	Amount	Units	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	5	kL	38.6	212
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	combustion	A	10	kL	34.2	349



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<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
						Total	561

### ENERGY CONSUMED BY MEANS OTHER THAN COMBUSTION

<i>Activity Type</i>	<i>Fuel / Energy Commodity</i>	<i>Fuel Usage</i>	<i>Criteria</i>	<i>Amount</i>	<i>Units</i>	<i>Energy Content Factor (GJ/Unit)</i>	<i>Energy Content (GJ)</i>
Purchase of electricity from main electricity grid in a State or Territory	-	-	-	20,018	kWh	0.0036	72
						Total	72



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## **CORPORATE GROUP THRESHOLD MET**

The corporate group of GWA Group Ltd 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 4.02(3)(b)).

## **REPORTING ABOUT INCIDENTAL EMISSION AND ENERGY**

This Report contains greenhouse gas emissions and energy information from facilities that is incidental to the operation of the facility and reported in accordance with NGER Regulation 4.27. The measurement of the production of energy from these sources using another method or criteria in the NGER Determination would cause the corporation significant hardship or expense.



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## **ATTACHMENTS LIST**

List attachments for this report

<i>Dux Moss Vale Bulk CO2.pdf</i>	<i>Other</i>
Caroma W-Park Fugative Emission of CO2 2012-2013.pdf	Other
Fugitive Emissions R134a loss Dux Moss Vale 2012-13 (1).pdf	Other
Uncertainty calculator 2012-13 final.pdf	Other



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## **PRIVACY STATEMENT**

### **Personal information**

Under, the NGER Act and the NGER Regulations, the Regulator and its authorised staff have the authority to collect information (which may include personal information).

'Personal information,' means any information from which a person's identity is apparent or can be reasonably ascertained.

Personal information collected in relation to this report will be used for the purpose of assessing the information it contains, auditing compliance with, and enforcement of, relevant laws and regulations, and for related purposes.

In compliance with the Privacy Act, the Regulator has appropriate measures in place to ensure that personal information is protected. Measures include procedures and systems for the receipt, management and storage of personal information and ongoing measures to check the integrity of systems and to ensure that procedures are being followed.

### **Disclosure of information**

The Regulator and its authorised staff are only able to disclose information relating to this report (including personal information) in accordance with the *Clean Energy Regulator Act 2011* (CER Act), the NGER Act 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 bodies where the Regulator is satisfied that disclosure will assist those bodies in the performance of their functions or powers, including the Australian Securities and Investments Commission, and the Australian Competition and Consumer Commission;
- Disclosure for the purposes of law enforcement; and
- Disclosure to States and Territories in accordance with the NGER Act.



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## **DECLARATION**

**The Executive Officer (or equivalent), as described in the NGER Act, should read the following declaration below before electronically submitting the report**

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

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

A Reporting entity should seek independent legal advice to determine if, and how, the NGER Act, and the NGER Regulations, NGER Technical Guidelines and other guidance material applies to it.

Section 19 of the NGER Act includes a civil penalty provision, breaches of which may attract pecuniary penalties of up to 2,000 penalty units. The Crimes Act 1914 provides that one penalty unit is \$170.

In accordance with Section 22 of the NGER Act, a reporting entity is required to keep records of the activities for which it is responsible to allow it to report accurately under Section 22A of that Act. Records should 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 expressed in penalty units.

By electronically submitting, the signatory declares that:

☐ they have read and understood the penalties that apply for breaching the *National Greenhouse and Energy Reporting Act 2007*.

☐ the information provided in this 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 and may have consequences under the *Clean Energy Act 2011* or the *National Greenhouse and Energy Reporting Act 2007*.

☐ the information provided in this Report has been prepared and supplied in accordance with the requirements set out in the *National Greenhouse and Energy Reporting Act 2007*, the *National Greenhouse and Energy Reporting Regulations 2008* and the *National Greenhouse and Energy Reporting (Measurement) Determination 2008*.

☐ they are duly authorised to act on behalf of the reporting entity.

☐ the Clean Energy Regulator may compel or conduct an audit of the information contained in this report or in relation to compliance with the *National Greenhouse and Energy Reporting Act 2007* or the *National Greenhouse and Energy Reporting Regulations 2008*.

☐ the Clean Energy Regulator may request further clarification or documentation to verify the information supplied in this Report.

☐ they have read the validation warnings contained in this Report.





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