



**Australian Government**  
**Clean Energy Regulator**

ABN ACN ARBN Trading Name: 61005674073

Reporting Year: 2012 - 2013

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

**UNITY MINING LIMITED**

**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.



## CONTROLLING CORPORATION DETAILS

<i>Name</i>	<i>Unity Mining Limited</i>
Australian Business Number (ABN)	61005674073
Australian Company Number (ACN)	-
Australian Registered Body Number (ARBN)	-
Trading Name	Not Required
Head office postal address:	
Postal address line 1	Level 10
Postal address line 2	350 Collins Street
Postal address line 3	-
Postal city/suburb	MELBOURNE
Postal state	Victoria
Postal postcode	3000
Postal country	AUSTRALIA
Head office street address:	
Street address line 1	Level 10
Street address line 2	350 Collins Street
Street address line 3	-
Street city/suburb	MELBOURNE
Street state	Victoria
Street postcode	3000
Street country	AUSTRALIA

### Executive Officer (or equivalent) Details

<i>Name</i>	<i>Andrew McIlwain</i>
Phone	03 8622 2300
Mobile	-
Fax	-
Email	amcilwain@unitymining.com.au
Postal address line 1	-
Postal address line 2	-
Postal address line 3	-
Postal city/suburb	-
Postal state	-
Postal postcode	-
Postal country	-



## UNITY MINING LIMITED 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 Unity Mining 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>
3,766	7,790	11,556

#### Energy Produced and Energy Consumed

<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
161,804	161,804	-

#### 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>
3,733	1	32	-	-	-	3,766

#### 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>
2%



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## UNITY MINING LIMITED 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.

<i>Entity Reference Number</i>	<i>Entity Name</i>	<i>Entity Type</i>	<i>Scope 1 Emissions (t CO<sub>2</sub>-e)</i>	<i>Scope 2 Emissions (t CO<sub>2</sub>-e)</i>	<i>Energy Consumed Total (GJ)</i>	<i>Energy Consumed Net (GJ)</i>	<i>Energy Produced (GJ)</i>
1	Henty Gold Mine	Facility	3,766	7,790	161,804	161,804	0

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



## 1: HENTY GOLD MINE - FACILITY

### Emissions from operation of facility - operational control

Name	<i>Henty Gold Mine</i>
Facility Street Address	Howards Road QUEENSTOWN Tasmania 7467 AUSTRALIA
Geographic Coordinates	Latitude 41.523S / Longitude 145.335E
Facility location	None
Activity location	Tasmania
Location description	-
Activity description	-
ANZSIC Code	080 - Metal ore mining

### Facility – operational control

Unity Mining Limited had operational control of the facility (Henty Gold Mine) 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 Unity Mining 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)
3,766	7,790	11,556

### Energy Produced and Energy Consumed

Energy Consumed Total (GJ)	Energy Consumed Net (GJ)	Energy Produced (GJ)
161,804	161,804	-

### 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)
3,733	1	32	-	-	-	3,766



### 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 - Transport energy purposes	Diesel oil - Transport post-2004	combustion	A	1,397	kL	38.60	53,943	69.2	CO <sub>2</sub>	Method 1	3,733
										0.01	CH <sub>4</sub>	Method 1	1
										0.6	N <sub>2</sub> O	Method 1	32
	Source Total								53,943				3,766
	Total								53,943				

### 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	29,961,527	kWh	0.26	7,790



<i>Activity Type</i>	<i>Amount</i>	<i>Units</i>	<i>Emission Factor (kg CO2-e / unit)</i>	<i>Scope 2 Emissions (t CO2-e)</i>
Total				7,790

### 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 post-2004	combustion	A	1,397	kL	38.6	53,943
						Total	53,943

### 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	-	-	-	29,961,527	kWh	0.0036	107,861
						Total	107,861



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## **FACILITY THRESHOLD MET**

The corporate group of Unity Mining Limited has not met a corporate group threshold, but members of the corporate group have had operational control of one or more facilities during the reporting period that have met a facility threshold as defined in section 13 (1)(d) of the NGER Act. Regulation 4.02(3)(b) only requires this Report to include information under Divisions 4.3 to 4.5 of the NGER regulations for the facilities that cause the facility threshold to be met.





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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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