

Climate Active Public Disclosure Statement



NAME OF CERTIFIED ENTITY: Red Rock Drilling Pty Ltd

REPORTING PERIOD: 1 January 2019 – 31 December 2019

Declaration

To the best of my knowledge, the information provided in this Public Disclosure Statement is true and correct and meets the requirements of the Climate Active Carbon Neutral Standard.

Signature

Date

Name of Signatory

Position of Signatory



Australian Government
**Department of Industry, Science,
Energy and Resources**

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1. Carbon neutral information

Description of certification

Red Rock Drilling Pty Ltd as a carbon neutral organisation.

Organisation description

Red Rock Drilling is a drilling contractor (reverse circulation) providing drilling services to exploration and mining companies. The company owns an office building and yard at 35 Vivian Street, Boulder, WA. The company also owns a caravan, a drill rig suite and transport vehicles.

Our operations require us to mobilise to client project areas (remote areas of Australia), set up camp and undertake a drill program which can vary in size (depth and breadth). This operation can be sustained over a period of days or months requiring logistics such as men, equipment, drilling supplies and fuel to be transported to site in the most efficient way possible so as not to disturb the drilling operation.

Once the drill program has been completed, camp and the equipment are cleaned, packed up and mobilised to the next drilling contract. This is the nature of the business.

Emissions reduction strategy

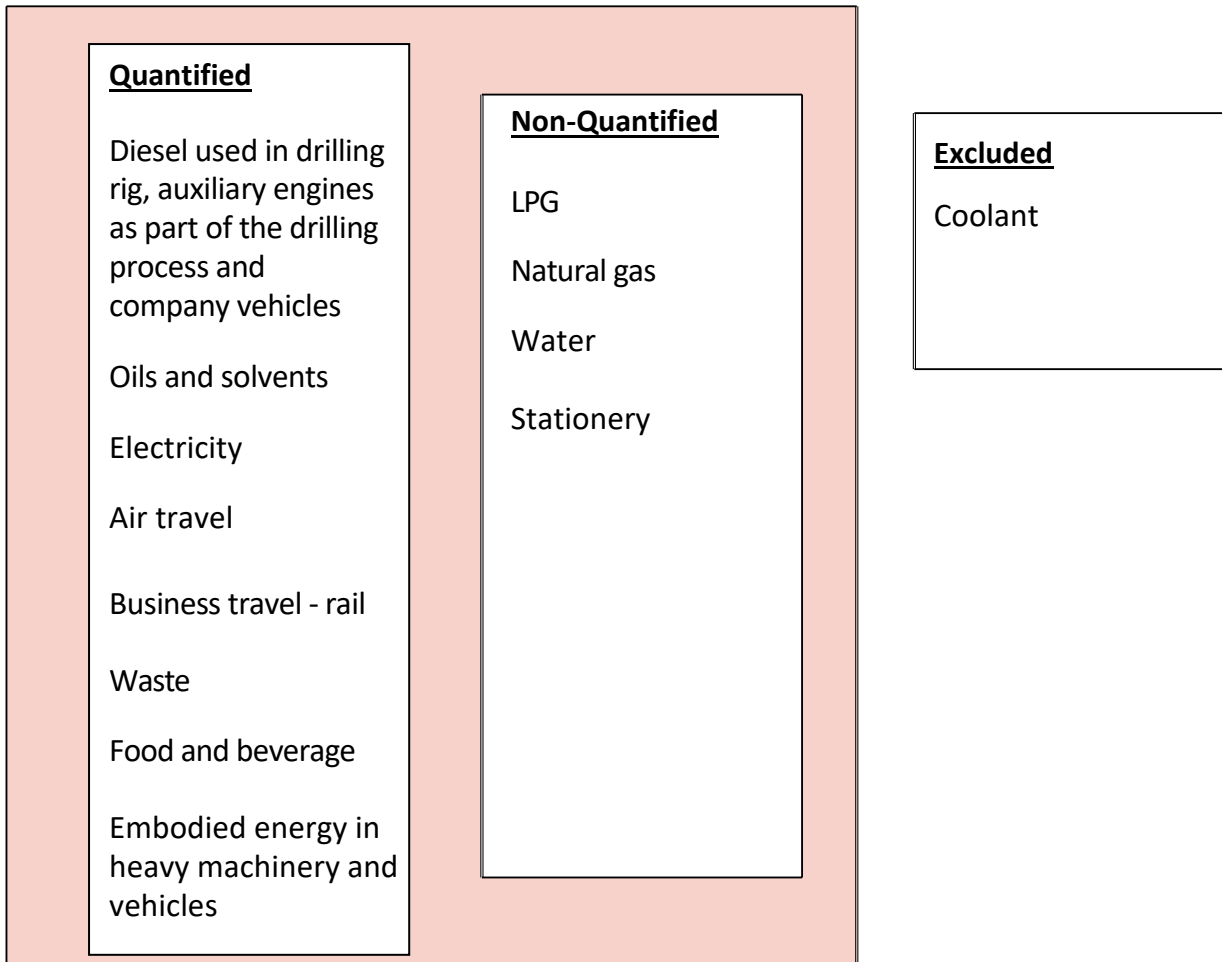
Our emissions reduction strategy involves addressing carbon emissions in each emissions source that we are responsible for either directly or indirectly. Our plan is detailed in the table below.

Initiative	Description	2020	2021
Install solar panels	Office building renovation to include solar panel installation	x	
Install solar heating for hot water			x
Replace all down lights in office building with LEDs	Office renovation to include installation of new lighting	x	
Replace personal use vehicles with more fuel-efficient alternatives	Research more fuel-efficient vehicles prior to replacement		x
Investigate a possible biodegradable hydraulic oil	Contact supplier(s) to find out if product is of a similar grade and what the changeover process is	x	
Flight offsets	Consider purchasing offsets from airlines versus buying carbon offsets annually	x	
Reduce waste to landfill and increase recycling	Contact Kalgoorlie council to discuss possible options for increasing recycling	x	
Move to environmentally conscious print materials	Buy carbon neutral certified paper	x	

2. Emission Boundary

This inventory has been prepared based on the operational control approach. Diagram of the certification boundary

This is a small organisation certification, which uses the standard Climate Active Small Organisation emissions boundary.



Non-quantified sources

LPG, natural gas, water and stationery have not been quantified in the inventory as they are all immaterial. LPG is used in very small quantities and only changed out twice a year. Natural gas is used for camp cooking and in the forklift and is minimal. ~120 kilolitres of water is used predominantly to re-fill the drill rig support truck to be used in the drilling process. Otherwise non-potable water is typically taken from a bore at the clients project area and used for the same purpose as mentioned above.

The mandatory small organisation uplift factor of 5% has been applied to the inventory to account for these immaterial items.

Excluded sources (outside of certification boundary)

Coolant has been excluded as it is immaterial according to the relevance test.

3. Emissions summary

Table 3. Emissions Summary	
Emission source category	tonnes CO ₂ -e
Diesel fuel (all uses)	418.0
Electricity	2.8
Business travel by air	5.0
General waste	56.1
Staff travel by rail	0.3
Total Net Emissions	482.2

Uplift factors

Table 4. Uplift factors	
Reason for uplift factor	tonnes CO ₂ -e
5% to account for immaterial items including water, stationery and other consumables.	24
3% to account for oils and solvent degreasers not included as standard in a small organisation certification but sufficiently relevant to include. 2.56L oils purchased - emissions factor 0.91525kg/kL + 0.38L solvents EF 2.529088kg/kL. Sum total 2.7tCO ₂ -e.	3
Embodied energy in heavy machinery and vehicle	11
Food and drink	7

Total Footprint to offset (uplift factors + net emissions)	45
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Carbon Neutral products

Not applicable this year.

Electricity Summary

Electricity was calculated using the Location approach.

The Climate Active team are consulting on the use of a market vs location-based approach for electricity accounting with a view to finalising a policy decision for the carbon neutral certification by July 2020. Given a decision is still pending on the accounting way forward, a summary of emissions using both measures has been provided for full disclosure and to ensure year on year comparisons can be made.

Table 5: Market-based approach Electricity summary

Electricity Inventory Items	kWh	Emissions tonnes CO ₂ -e
Electricity Renewables	694	0.0
Electricity Carbon Neutral Power	0	0.0
Electricity Remaining	3,037	3.3
Renewable electricity percentage	19%	

Table 6 Location-based summary

State	Electricity Inventory Items	kWh	Full emission factor (Scope 2 +3)	Emissions (tonnes CO ₂ -e)
WA	Electricity Renewables	-	-0.74	0.0
WA	Electricity Carbon Neutral Power	-	-0.74	0.0
WA	Netted off (exported on-site generation)	-	-0.69	0.0
WA	Electricity Total	3,731	0.74	2.8
	Total net electricity emissions (Location based)			2.8

4. Carbon offsets

Offset purchasing strategy

Offsets were purchased in arrears for this year. Due to purchasing a round number of offsets, a surplus of three units has been banked for future years.

Table 7 Offsets Summary

1. Total offsets required for this report		527							
2. Offsets retired in previous reports and used in this report		0							
3. Net offsets required for this report		N/A							
Project description	Eligible offset units type	Registry unit retired in	Date retired	Serial number (including hyperlink to registry transaction record)	Vintage	Quantity (tonnes CO2-e)	Quantity used for previous report	Quantity to be banked for future years	Quantity to be used this report
Chakala Wind Power Project in Maharashtra, India	VCS-VCU	VERRA	5/6/20	7068-368126904-368127433-VCU-034-APX-IN-1-1197- 01012016-31122016-0 https://registry.verra.org/myModule/rpt/myrpt.asp?r=206&h=114629	2016	530	N/A	3	527
Total offsets retired this report and used in this report								527	
Total offsets retired this report and banked for future reports								3	

Co-benefits

Social wellbeing – this project introduces new local infrastructure such as roads and improved power generation. 2% of the carbon revenues go towards the development of public amenities in the surrounding areas such as water distribution, sanitation, building of schools and hospitals, free books and uniforms and annual eye checks for villagers.

Economic wellbeing – this project generates renewable zero emissions power which would not have occurred without the VCS offsets program. The project helps to meet demand for energy in the region and its success will help to attract further investment to the region.

Environmental wellbeing – this project reduces the dependence on fossil fuels and conserves natural resources that are on the verge of depletion. The generation of energy via wind power helps to reduce greenhouse gas emissions in the region.

5. Use of trademark

As this is our base year, the trade mark has not yet been used.

6. Additional information

Appendix 1: Excluded emissions

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

Excluded Emission	Relevance Test				
	<i>The emissions from a particular source are likely to be large relative to the organisation's electricity, stationary energy and fuel emissions</i>	<i>The emissions from a particular source contribute to the organisation's greenhouse gas risk exposure.</i>	<i>Key stakeholders deem the emissions from a particular source are relevant.</i>	<i>The responsible entity has the potential to influence the reduction of emissions from a particular source.</i>	<i>The emissions are from outsourced activities previously undertaken within the organisation's boundary, or from outsourced activities typically undertaken within the boundary for comparable organisations.</i>
Coolant	x	x	x	x	x