

EA APPLICATION SUPPORTING REPORT

SAVANNAH GOLDFIELDS LTD

Appendix 17 NGER Threshold Calculation (Ardent Group, 2025)



Emissions and energy threshold calculator

About this calculator

The National Greenhouse and Energy Reporting Threshold Calculator (the Calculator) has been developed by the Clean Energy Regulator (CER) to assist entities to comply with their reporting obligations under the *National Greenhouse and Energy Reporting Act 2007* (NGER Act) and associated legislation. The Calculator should be used in conjunction with the NGER Act, National Greenhouse and Energy Reporting Regulations 2008 and National Greenhouse and Energy Reporting (Measurement) Determination 2008 in their current form. These laws and their interpretation are subject to change, which may affect the accuracy of the outputs of the Calculator.

This Calculator (version 1.5) is valid for the 2023-2024 reporting year and is valid for subsequent reporting years until a newer calculator has been made available. Reporters must check the CER website <https://cer.gov.au/schemes/national-greenhouse-and-energy-reporting-scheme/report-emissions-and-energy/nger> to ensure that they are using the most current version of the Calculator.

The information to be input in the Calculator is not exhaustive of all matters required to be reported, nor does the Calculator cover all circumstances applicable to all entities. The Calculator is not intended to comprehensively deal with its subject area; nor is it a substitute for independent legal advice. The calculations that are generated by the Calculator are an estimate only, intended to be used for guidance purposes and to assist entities in their reporting. The CER and the Commonwealth of Australia do not warrant that any estimates or outputs generated by the Calculator will be accurate, complete, or up to date. Entities are not required to use the estimates generated by the Calculator, however, entities must ensure they meet their obligations under the National Greenhouse and Energy Reporting scheme at all times. The CER encourages all users of the Calculator to seek independent legal advice before taking any action or decision, including finalising any report, on the basis of the Calculator.

Entities are responsible for determining their obligations under the law and for applying the law to their individual circumstances. The CER and the Commonwealth of Australia bear no responsibility for the data input to the Calculator by users, or for the outputs of the Calculator, and will in no event be liable for any direct, incidental, or consequential loss or damage of any kind, arising out of or in connection with, any use of the Calculator, reliance on the Calculator's output, or reliance on any other information or advice on this website.

The CER and the Commonwealth of Australia do not guarantee uninterrupted access to the Calculator or that the associated website and files obtained from or through this website are free from harmful code including viruses or spyware, and recommend the use of appropriate software to protect your systems.

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This calculator is meant as a guide only. While reasonable efforts have been made to ensure that the contents of the calculator are factually correct, the Commonwealth does not accept responsibility for the accuracy or completeness of the contents, and shall not be liable for any loss or damage that may be occasioned directly or indirectly through the use of, or reliance on, the data produced by the calculator.

How to use this calculator

Emissions and energy data is entered by first clicking on the Facility tabs below. The Calculator allows for data to be entered for up to six facilities. To report, first select the fuel/energy source from the appropriate drop-down menu and then enter an appropriate amount in the next field according to the unit selected by the Calculator.

The Calculator will calculate the associated emissions or energy and threshold status based on the data you have entered. To view an example, click on the Example tab below.

If you are reporting part-year data then you will need to enter the number of days that the data covers. The Calculator will determine the full year emissions and energy data based on the amount you have entered for the number of days you have selected. The calculator will determine if the reporting threshold has been reached based on the calculated full year data.

The Output tab will display the total emissions and energy data at the corporate level. This amount will be the calculated annual amount based on the data entered for each facility.

Resources

The following resources, located on the agency website, may assist you in determining if you have reporting obligations under the National Greenhouse and Energy Reporting legislation.

[Guidelines](#)

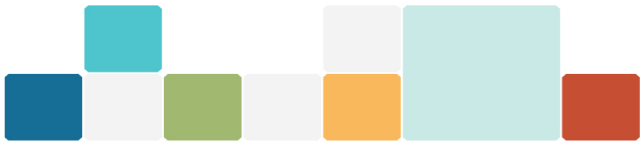
Transport fuel combustion		Amount	Unit	Greenhouse gases			Total scope 1 emissions (t CO ₂ -e)	Total energy (GJ) (Gigajoules)
				CO ₂	CH ₄	N ₂ O		
Select fuels below		Enter amount below						
Diesel oil		1200.000	kL	3,238	5	19	3,261	46,320
-			-					
-			-					
-			-					
-			-					
-			-					
-			-					
Total Scope 1 transport emissions (t CO ₂ -e) and energy consumed (GJ)							3,261	46,320

Non-transport fuel combustion		Amount	Unit	Greenhouse gasses			Total scope 1 emissions (t CO ₂ -e)	Total energy (GJ) (Gigajoules)
				CO ₂	CH ₄	N ₂ O		
Select fuels below		Enter amount below						
Diesel oil		562.000	kL	1,516	2	4	1,523	21,693
-			-					
-			-					
-			-					
-			-					
-			-					
-			-					
Total Scope 1 non-transport emissions (t CO ₂ -e) and energy consumed (GJ)							1,523	21,693

Purchased electricity		Amount	Unit	Emission factor		Total scope 2 emissions (t CO ₂ -e)	Total energy (GJ) (Gigajoules)
				EF			
Select state/territory below		Enter amount below					
Queensland		0.000	kWh	0.730			
-			kWh				
Total Scope 2 emissions (t CO ₂ -e) and energy consumed (GJ)						0	0

Consumed without combustion		Amount	Unit	Total energy (GJ) (Gigajoules)			
Select energy source below		Enter amount below					
-			-				
-			-				
-			-				
Total energy consumed (GJ)							0

Electricity/energy produced		Amount	Unit	Total energy (GJ) (Gigajoules)			
Select energy product below		Enter amount below					
-			-				
-			-				
-			-				



Corporation emissions & energy calculator

Data as entered

	Scope 1 emissions	Scope 2 emissions	TOTAL EMISSIONS	ENERGY CONSUMED	ENERGY PRODUCED	DAYS COVERED
Facility 1	4,784	0	4,784	68,013	0	365
Facility 2	0	0	0	0	0	365
Facility 3	0	0	0	0	0	365
Facility 4	0	0	0	0	0	365
Facility 5	0	0	0	0	0	365
Facility 6	0	0	0	0	0	365
Total for corporation - as entered	4,784	0	4,784	68,013	0	

Full-year data

	Scope 1 emissions	Scope 2 emissions	TOTAL EMISSIONS	ENERGY CONSUMED	ENERGY PRODUCED
Facility 1	4,784	0	4,784	68,013	0
Facility 2	0	0	0	0	0
Facility 3	0	0	0	0	0
Facility 4	0	0	0	0	0
Facility 5	0	0	0	0	0
Facility 6	0	0	0	0	0
Total for corporation - full year	4,784	0	4,784	68,013	0

Annual reporting thresholds

	EMISSIONS THRESHOLD	ENERGY CONSUMED THRESHOLD	ENERGY PRODUCED THRESHOLD
Facility 1	Not met	Not met	Not met
Facility 2	Not met	Not met	Not met
Facility 3	Not met	Not met	Not met
Facility 4	Not met	Not met	Not met
Facility 5	Not met	Not met	Not met
Facility 6	Not met	Not met	Not met
Corporation	Not met	Not met	Not met

Annual corporate reporting thresholds

Total emissions threshold	0 tCO ₂ -e 4783.79	50,000 tCO ₂ -e
Energy consumption threshold	0 GJ 58013.20	200,000 GJ
Energy production threshold	0 GJ	200,000 GJ