Scope 1, 2 & 3 GHG Emissions Calculation Methodology



Contents

1.	About Resolute	2
2.	Our Commitment on Climate Change	2
3.	Our Approach to Scope 1, 2 & 3 GHG Emissions Calculations	2
4.	Scope 1 & 2 GHG Emissions Calculation Methodology	3
5.	Scope 3 GHG Emissions Calculation Methodology	4
6.	Resolute Scope 1, 2 & 3 GHG Emissions for FY2021 and FY2023	5
7.	Scope 3 GHG Emissions Methodology per Category	9
С	ategory 1: Purchased goods and services (including capital goods)	9
С	ategory 2: Capital goods	10
С	ategory 3: Fuel and energy related activities1	1
С	ategory 4: Upstream transportation and distribution1	2
С	ategory 5: Waste generated in operations 1	3
С	ategory 6: Business travel 1	4
С	ategory 7: Employees commuting	15
С	ategory 8: Upstream leased assets 1	6
С	ategory 9: Downstream transportation and distribution1	17
С	ategory 10: Processing of sold products 1	8
С	ategory 11: Use of sold products 1	9
С	ategory 12: End of life treatment of sold products2	20
С	ategory 13: Downstream leased assets2	21
С	ategory 14: Franchises	22
С	ategory 15: Investments	23
Ref	erences	<u>2</u> 4

Scope 1, 2 & 3 GHG Emissions Calculation Methodology



1. About Resolute

Resolute Mining Limited ("Resolute") is an African focused, multi-asset, gold mining, development and exploration company which trades on the Australian Securities Exchange (ASX:RSG) and the London Stock Exchange (LSE:RSG). Resolute is committed to environmental stewardship and seeks to implement robust management systems, practices and standards to mitigate its impacts and safeguard natural resources for future generations.

2. Our Commitment on Climate Change

Resolute acknowledges the challenges that climate change presents and its role in supporting the goals of the Paris Agreement to limit the increase in global average temperatures to 2°C and transition towards carbon neutrality by 2050 (or sooner). We acknowledge that gold mining is an energy-intensive process and that reducing our energy consumption and associated costs are key elements to continued business success. We also acknowledge that this will require an adaptive approach to managing our mining operations and our business more broadly.

In 2020, Resolute published a <u>Climate Change Statement</u> highlighting its approach to climate change, which is accompanied by a 3-year interim Climate Change Strategy developed in 2021 detailing targets to improve our governance of climate change, identify climate-related risks and opportunities, build resilience and improve disclosures. An integral component of our Climate Change Strategy will be a reduction of greenhouse gas (GHG) emissions at an operational level.

3. Our Approach to Scope 1, 2 & 3 GHG Emissions Calculations

During 2019, Resolute developed a methodology and calculated its Scope 1 (*direct*) and Scope 2 (*indirect*) GHG emissions initiating a pathway towards the reduction of the emissions at its operations. This pathway is aligned with best practice, international recommendations, shareholders expectations and the Company values.

During 2020, Resolute developed a methodology and calculated its Scope 3 (all other indirect) GHG emissions, evaluating all upstream and downstream emissions in its supply chain. In accordance with our committed to refining this methodology in 2023 Resolute has worked in partnership with industry specialists at Normative to calculate our spend-based emissions and validate our calculated activity-based emissions using their developed carbon accounting engine.

Normative carbon accounting engine has enabled Resolute to calculate, report, and identify opportunities to reduce our carbon emissions. Normative calculation methodology is aligned to the Greenhouse Gas Protocol and applies inhouse extensive datasets that use the latest available scientific based region and country specific emission factors. The database Normative uses for the spend-based assessment is the global database Exiobase 3 (an Environmentally Extended Multi-Regional-Input-Output database) which is suited for environmental evaluations.

Due to the change in approach a number of substantial variances have been reported within some Scope 3 categories, these variations were expected and are consistent with other industries that have updated their approach to carbon accounting. The variations are attributable to several factors that include higher sectoral granularity and updated economic values for production. These components have improved both accuracy and reduced uncertainty of our Scope 3 reporting.



GHG Protocol GHG Emissions Scopes

Scope 1 emissions are *direct* emissions from owned or controlled sources.

Scope 2 emissions are *indirect* emissions from the generation of purchased energy.

Scope 3 emissions are <u>all indirect emissions not included in Scope 2</u> (i.e. indirect emissions from the generation of purchased energy) that occur in the value chain of the reporting company, including upstream and downstream emissions.

This document describes the methodologies developed to estimate Resolute's Scope 1, 2 and Scope 3 GHG emissions from the last three years.

Organisational Boundary

The calculation of Scope 1, 2 and 3 GHG emissions is limited to mines under our operational control¹ and currently in production: the Syama gold mine in Mali and the Mako gold mine in Senegal. It does not include emissions from activities on mine sites currently under care & maintenance, exploration sites, or companies in which Resolute owns a minority interest.

Our total non-renewable energy consumption in 2023 was 250,956 MWh, with 16 MWh sourced from renewal sources associated with electricity provided to our regional offices from there respective national grids.

For its Scope 3 GHG emissions calculation, Resolute has prioritised elements of its business that are deemed to have a material contribution to our overall emission levels.

All site services directly associated with the operation of our mines, encompassing the activities of our contractors, are included under Scope 1 emissions. In particular, this includes our Mining Contractor and Power Supply Contractor.



4. Scope 1 & 2 GHG Emissions Calculation Methodology

The calculation methodology for Scope 1 & 2 GHG emissions follows Australia's National Greenhouse and Energy Reporting (NGER) scheme with references and emission factors derived from Intergovernmental Panel on Climate Change (IPCC) Guidelines for National GHG Inventories and the GHG Protocol.

The grid electricity emission factors for Mako and Syama have been obtained from United Nations Framework Convention on Climate Change (UNFCCC) Clean Development Mechanism (CDM) solar projects in Merina Dakar² and Mali³.

Scope 1 GHG Emissions

Scope 1 emissions are emissions from operations that are owned or controlled by Resolute. For this assessment, the primary source of Scope 1 emissions for Syama and Mako are non-transport diesel and heavy fuel oil used for electricity generation on-site and mining activities. Other Scope 1 emissions sources come from explosives (ANFO and Subtek[™] Velcro) and light vehicle use.

Scope 1 GHG emissions	2021	2022	2023
Syama	160,345	180,502*	212,686
Mako	106,650	110,862	114,144
Total Scope 1	266,995	291,364	326,830

*Diesel use at Syama mine site under reported in 2022.

Scope 2 GHG Emissions

Scope 2 emissions are emissions from the generation of purchased or acquired electricity. For Syama and Mako, Scope 2 emissions arise from grid electricity consumption at the reginal offices in Bamako and Dakar. Grid electricity for Syama and Mako has a partial contribution from renewable sources of 32% and 20% respectively.

Scope 2 GHG emissions	2021	2022	2023
Syama	20	8	26
Mako	16	17	17
Total Scope 2	36	25	43

¹ Operational control: consolidation approach whereby a company accounts for 100 % of the GHG emissions over which it has operational control. It does not account for GHG emissions from operations in which it owns an interest but does not have operational control.

² Solar PV project PDD - "Grid Connected Solar PV Project in Merina Dakhar" - registered 2 May 2017

(Link: https://cdm.unfccc.int/Projects/DB/RWTUV1493712660.23/view)

Solar Project in Mali - "Akuo Kita Solar Project" - registered 11 Oct 2016 (Link: https://cdm.unfccc.int/Projects/DB/RWTUV1476118411.47/view)



5. Scope 3 GHG Emissions Calculation Methodology

Scope 3 GHG emissions have been calculated according to methodologies featured in the *GHG Protocol Corporate Value Chain (Scope 3) Accounting and Reporting Standard*, and with reference to the additional guidance provided in the *GHG Protocol Technical Guidance for Calculating Scope 3 Emissions*, as required.

Scope 3 emissions categories

The GHG Protocol divides Scope 3 emissions into 15 categories which were reviewed for relevance to Resolute's operations:

Scope 3	GHG Emissions Categories	Relevancy to Resolute
	1.Purchased goods and services	Major significance, calculated
	2.Capital goods	Major significance, calculated (combined with Category 1)
Upstream	3.Fuel and energy related activities	Moderate significance, calculated
Emissions (related to the purchase of	4.Upstream transportation and distribution	Negligible significance, calculated
goods and services)	5.Waste generated in operations	Negligible significance, calculated
geene and eer need,	6.Business travel	Negligible significance, calculated
	7.Employee commuting	Negligible significance, calculated
	8.Upstream leased assets	Not relevant
	9.Downstream transportation and distribution	Negligible significance, calculated
_	10.Processing of sold products	Negligible significance, calculated
Downstream	11.Use of sold products	Not relevant
Emissions (related to the sale of goods	12.End-of-life treatment of sold products	Negligible significance, calculated
and services)	13.Downstream leased assets	Not relevant
	14.Franchises	Not relevant
	15.Investments	Not relevant

Section *Scope 3 GHG Emissions Methodology per Categories*, outlines the Scope 3 GHG emissions calculation methodology for each category including the calculation rationale, calculation boundary, exclusions, methodology adopted, data sources and references.



6. Resolute's Scope 1, 2 & 3 GHG Emissions from FY2021 to FY2023.

Resolute's Scope 1, 2 & 3 GHG Emissions for FY2021

	Category	Resolute's 2020 GHG emissions (tCO2e)	Total Scope 3 emissions (%)	Total Scope 1, Scope 2 and Scope 3 emissions (%)
Scope 1		266,995		24.8%
Scope 2		36		0.0%
Scope 3				
Category 1	Purchased goods and services	545,936	67.4%	50.7%
Category 2	Capital goods		Calculated	under Category 1
Category 3	Fuel and energy related activities	248,409	30.6%	23.1%
Category 4	Upstream transportation and distribution	8,909	1.1%	0.8%
Category 5	Waste generated in operations	2,447	0.3%	0.2%
Category 6	Business travel	714	0.1%	0.1%
Category 7	Employee commuting	3,615	0.4%	0.3%
Category 8	Upstream leased assets		Not relevant	
Category 9	Downstream transportation and distribution	493	0.1%	0.0%
Category 10	Processing of sold products	17	0.0%	0.0%
Category 11	Use of sold products		Not relev	vant
Category 12	End-of-life treatment of sold products	4.37	0.0%	0.0%
Category 13	Downstream leased assets		Not relev	vant
Category 14	Franchises		Not relev	vant
Category 15	Investments		Not relev	vant
Total Scope	3	810,546	100.0%	75.2%
Total Scope	1, 2 and 3	1,077,577		100%

Note 2021 scope 3 figures have been updated from those reported in the 2022 Sustainability Report.

The variance is <1% of the calculated total emissions and considered immaterial.



Resolute's Scope 1, 2 & 3 GHG Emissions for FY2022

	Category	Resolute's 2020 GHG emissions (tCO2e)	Total Scope 3 emissions (%)	Total Scope 1, Scope 2 and Scope 3 emissions (%)
Scope 1		291,364	•	23.0%
Scope 2		25		0.0%
Scope 3				
Category 1	Purchased goods and services	597,728	61.1%	47.1%
Category 2	Capital goods		Calculated	under Category 1
Category 3	Fuel and energy related activities	354,154	36.2%	27.9%
Category 4	Upstream transportation and distribution	14,451	1.5%	1.1%
Category 5	Waste generated in operations	2,416	0.2%	0.2%
Category 6	Business travel	2,031	0.2%	0.2%
Category 7	Employee commuting	6,617	0.7%	0.5%
Category 8	Upstream leased assets	Not relevant		
Category 9	Downstream transportation and distribution	591	0.1%	0.0%
Category 10	Processing of sold products	19	0.0%	0.0%
Category 11	Use of sold products	Not relevant		vant
Category 12	End-of-life treatment of sold products	4.83	0.0%	0.0%
Category 13	Downstream leased assets		Not relev	vant
Category 14	Franchises		Not relev	vant
Category 15	Investments		Not relev	vant
Total Scope 3	3	978,012	100%	77.0%
Total Scope	1, 2 and 3	1,269,401		100%



Resolute's Scope 1, 2 & 3 GHG Emissions for FY2023

	Category	Resolute's 2023 GHG emissions (tCO2e)	Total Scope 3 emissions (%)	Total Scope 1, Scope 2 and Scope 3 emissions (%)
Scope 1		326,830		56.0%
Scope 2		43		0.01%
Scope 3				
Category 1	Purchased goods and services	166,723	64.9%	28.6%
Category 2	Capital goods		Calculated	under Category 1
Category 3	Fuel and energy related activities	69,652	27.1%	11.9%
Category 4	Upstream transportation and distribution	6,230	2.4%	1.1%
Category 5	Waste generated in operations	207	0.1%	0.0%
Category 6	Business travel	2,787	1.1%	0.5%
Category 7	Employee commuting	3,028	1.2%	0.5%
Category 8	Upstream leased assets		Not relev	vant
Category 9	Downstream transportation and distribution	8,051	3.1%	1.4%
Category 10	Processing of sold products	18	0.0%	0.0%
Category 11	Use of sold products		Not relev	vant
Category 12	End-of-life treatment of sold products	4.53	0.0%	0.0%
Category 13	Downstream leased assets		Not relev	vant
Category 14	Franchises		Not relev	vant
Category 15	Investments		Not relev	vant
Total Scope 3	3	256,700	100%	44.0%
Total Scope	1, 2 and 3	583,573		100%



7.

Scope 3 GHG Emissions Methodology per Category

Category 1: Purchased goods and services (including capital goods)

Category description	Emissions from the extraction, production, and transportation of goods and services purchased or acquired by the reporting company in the reporting year, not otherwise included in Categories $3 - 15$.					
Calculation status	Major significance, Calculat	Major significance, Calculated				
Year	2021 2022 2023					
Emissions (tCO2e)	545,936 597,728 166,723					
Calculation rationale	Resolute relies heavily on the support of international manufacturers and suppliers for specialised goods and services that are not available in host countries. This includes mining services, operational reagents, consumables, parts and equipment. The emissions associated with the 'upstream' production and transportation of these goods and services is a significant source of Scope 3 emissions for Resolute. Additionally, they can contribute to material climate change-related supply chain risks that Resolute can minimise through direct engagement with suppliers around emissions reduction.					
Calculation boundary						
Considering the Scope 3 s upstream and downstream travel and refining were ex categories. Exclusions No exclusions apart from e	ese categories of goods and sensitive standard recommendations, all t in transportation, subcontracted accluded from this category and a emissions associated with good	the services and goods rela commuting service, busine assigned to separate and m	ited to fuel and electricity, ss fore accurate emissions			
required by the Scope 3 S			C C			
Calculation methodology	/					
purchased and multiplying calculated through the No	is used to estimate emissions fr to by relevant emission factors rmative Carbon Accounting eng	(e.g. average emissions pe jine.	r monetary value of goods)			
Financial transaction data is segregated by internal codes according to Resolute's internal procurement systems. Following receipt of the segregated data the Normative carbon accounting engine calculates emissions by mapping each supplier falling into this scope 3 category to an environmentally extended input- output analysis, EEIO (specifically, Exiobase 3). The data on the economic value of purchased goods and services is multiplied by the relevant EEIO cradle-to-gate emission factors. Regional and sector-specific inflation is factored into the calculation considering when the emission factor was calculated and the time of the activity.						
Data Sources						
 Activity data source: Resolute internal procurement system data available for all internal spend in the reporting year. Emission Calculation: Normative Carbon Accounting Tool. 						

https://normative.io/white-papers/



Category 2: Capital goods

Category 2: Capital goods					
Category description	Emissions from the extraction, production, and transportation of capital goods purchased or acquired by the reporting company in the reporting year.				
Calculation status	Mayor significance, Calculated (included in Category 1)				
Year	2021 2022 2023				
2020 Emissions (tCO2e)	Included in Purchased	goods and services (Ca	ategory 1)		
Calculation rationale	Combined with Category 1, these emissions are a large source of Scope 3 emissions for Resolute. Additionally, they can contribute to material climate change-related supply chain risks that Resolute can minimise through direct engagement with suppliers around emissions reduction.				
Calculation boundary This category includes all up	ostream (cradle-to-gate) e	missions of capital goo	ds purchased by		
Resolute.					
Exclusions No exclusions apart from en categories as required by th		od and services calcula	ted in different		
Calculation methodology Identical to approached ador	oted in Category 1				
	Sice in Oalegory 1.				
Data Sources - Activity data source: - Resolute internal procurement system data available for all internal spend in the reporting year.					
- Emission Calculation - Normative (References	n: Carbon Accounting Tool.				
https://ghgprotocol.org/sites/defa https://normative.io/white-pa		g/Chapter2.pdf			



Category 3: Fuel and energy related activities

Category description	Emissions from the extraction, production, and transportation of fuels and energy purchased or acquired by the reporting company in the reporting year, not already accounted for in Scope 1 or Scope 2.							
Calculation status	Moderate significance, Cal	Moderate significance , Calculated						
Year	2021							
Emissions (tCO2e)	248,409 354,154 69,652							
Calculation rationale	The primary fuel source for Resolute's operations is diesel, which is procured in-country from international suppliers and transported to the site by vehicle. The emissions associated with the extraction, production and transportation of this fuel is a significant source of Scope 3 emissions for Resolute. Additionally, Resolute purchases electricity from the grid for its in country offices.							
Calculation boundary								
combustion of fuels and the 1 and 2 calculations. Exclusions	y Resolute's operating assets of e generation of purchased elect nission and distribution losses a	ricity are accounted for	in Scope					
site. Therefore these are ex	pected to be minimal.	e are not calculated as	Emissions from any transmission and distribution losses arising from the generation of electricity, steam, heating and cooling that is consumed (i.e. lost) by Resolute are not calculated as most are generated on- site. Therefore these are expected to be minimal.					
Calculation methodology Activities included in this category are all upstream (cradle-to-gate) emissions of purchased fuels and electricity as well as transmission and distribution losses. Based on the used volumes per fuel type and the kWhs for electricity per use country, emissions have been calculated using the respective 2023 emission factors published by the UK Government Department for Energy Security and Net Zero, formerly known as DEERA								
electricity as well as transm the kWhs for electricity per emission factors published formerly known as DEFRA	ategory are all upstream (cradle hission and distribution losses. use country, emissions have b by the UK Government Depart	Based on the used volu een calculated using th	imes per fuel type and e respective 2023					
electricity as well as transm the kWhs for electricity per emission factors published formerly known as DEFRA Data Sources	ategory are all upstream (cradie nission and distribution losses. use country, emissions have b by the UK Government Depart	Based on the used volu een calculated using th	imes per fuel type and e respective 2023					
electricity as well as transm the kWhs for electricity per emission factors published formerly known as DEFRA Data Sources - Activity data source - Resolute p bought in t - Resolute p Bamako. - Emission data source UK Govern the Depart of all sizes - Emission Calculation	ategory are all upstream (cradie nission and distribution losses. use country, emissions have b by the UK Government Depart e: purchasing records available for he reporting years by each of courchasing records for electricity frce: ment GHG Conversion Factors ment of Environmental and Ru and international organizations on:	Based on the used volu een calculated using th ment for Energy Securi quantities, sources and our mine operations. / use in our country offic s for Company Reportin ral Affairs for use by UK	imes per fuel type and e respective 2023 ty and Net Zero, d types of fuels ces in Dakar and ng 2023, developed by C-based organizations					
electricity as well as transm the kWhs for electricity per emission factors published formerly known as DEFRA Data Sources - Activity data source - Resolute p bought in t - Resolute p Bamako. - Emission data sour UK Govern the Depart of all sizes - Emission Calculatio	ategory are all upstream (cradie nission and distribution losses. use country, emissions have b by the UK Government Depart e: ourchasing records available for he reporting years by each of co purchasing records for electricity frce: ment GHG Conversion Factor ment of Environmental and Ru and international organizations	Based on the used volu een calculated using th ment for Energy Securi quantities, sources and our mine operations. / use in our country offic s for Company Reportin ral Affairs for use by UK	imes per fuel type and e respective 2023 ty and Net Zero, d types of fuels ces in Dakar and ng 2023, developed by C-based organizations					
electricity as well as transm the kWhs for electricity per emission factors published formerly known as DEFRA Data Sources - Activity data source - Resolute p bought in t - Resolute p Bamako. - Emission data sour UK Govern the Depart of all sizes - Emission Calculatio	ategory are all upstream (cradie nission and distribution losses. use country, emissions have b by the UK Government Depart e: purchasing records available for he reporting years by each of courchasing records for electricity frce: ment GHG Conversion Factors ment of Environmental and Ru and international organizations on:	Based on the used volu een calculated using th ment for Energy Securi quantities, sources and our mine operations. / use in our country offic s for Company Reportin ral Affairs for use by UK	imes per fuel type and e respective 2023 ty and Net Zero, d types of fuels ces in Dakar and ng 2023, developed by C-based organizations					
electricity as well as transm the kWhs for electricity per emission factors published formerly known as DEFRA Data Sources - Activity data source - Resolute p bought in t - Resolute p Bamako. - Emission data sour UK Govern the Depart of all sizes - Emission Calculatio Normative References	ategory are all upstream (cradient hission and distribution losses. use country, emissions have b by the UK Government Depart 	Based on the used volu een calculated using th ment for Energy Securi quantities, sources and our mine operations. / use in our country offic s for Company Reportin ral Affairs for use by UK s reporting on UK opera	imes per fuel type and e respective 2023 ty and Net Zero, d types of fuels ces in Dakar and ng 2023, developed by C-based organizations					
electricity as well as transm the kWhs for electricity per emission factors published formerly known as DEFRA Data Sources - Activity data source - Resolute p bought in t - Resolute p Bamako. - Emission data sour UK Govern the Depart of all sizes - Emission Calculation Normative References https://ghgprotocol.org/sites https://cdm.unfccc.int/Project	ategory are all upstream (cradient hission and distribution losses. use country, emissions have b by the UK Government Depart 	Based on the used volu een calculated using th ment for Energy Securi quantities, sources and our mine operations. / use in our country offic s for Company Reportin ral Affairs for use by UK s reporting on UK opera	imes per fuel type and e respective 2023 ty and Net Zero, d types of fuels ces in Dakar and ng 2023, developed by C-based organizations					



Category 4: Upstream transportation and distribution

Category description					
	Emissions from the transportation and distribution of products purchased by the reporting company in the reporting year between a company's tier 1 suppliers and its own operations (in transport modes and facilities not owned or controlled by the reporting company); Transportation and distribution services purchased by the reporting company in the reporting year, including inbound logistics, outbound logistics (e.g., of sold products), and transportation and distribution between a company's facilities (in vehicles and facilities not owned or controlled by the reporting company).				
Calculation status	Negligible significance, calculated				
Year	2021	2022	2023		
Emissions (tCO2e)	8,909	14,451	6,230		
Calculation status rationale	Although these emissions are for Resolute, their calculation impacts through direct engage reduction.	can contribute to mini	mising our supply chain		
Calculation boundary					
This category includes all emissions from heavy vehicles and air and marine freight deliveries of products, and warehousing, where transport and warehousing costs are covered directly by Resolute. The transportation and distribution of Resolute products was not determined under this category; instead, transportation and distribution emissions from company products have been allocated to Category 9. Calculation methodology Calculations were made by applying "spend-based method" which involves determining the amount of money spent on each mode of transport and applying secondary (EEIO) emission factors. Emissions were					
Calculations were made by a money spent on each mode	of transport and applying second	lary (EEIO) emission t	ated to Category 9. ining the amount of factors. Emissions were		
Calculations were made by a money spent on each mode calculated by mapping each	of transport and applying second logistics provider falling into this	lary (EEIO) emission f Scope 3 category to a	ining the amount of factors. Emissions were an environmentally		
Calculations were made by a money spent on each mode calculated by mapping each	of transport and applying second	lary (EEIO) emission f Scope 3 category to a	ining the amount of factors. Emissions were an environmentally		
Calculations were made by a money spent on each mode calculated by mapping each extended input-output analys Exclusions The Spend-based method is	of transport and applying second logistics provider falling into this	lary (EEIO) emission f Scope 3 category to a . Emissions were calc upstream transportat	ated to Category 9. ining the amount of factors. Emissions were an environmentally culated well-to-wheel.		
Calculations were made by a money spent on each mode calculated by mapping each extended input-output analys Exclusions The Spend-based method is	of transport and applying second logistics provider falling into this sis, EEIO (specifically, Exiobase) s used to assess emissions from	lary (EEIO) emission f Scope 3 category to a . Emissions were calc upstream transportat	ated to Category 9. ining the amount of factors. Emissions were an environmentally culated well-to-wheel.		
Calculations were made by a money spent on each mode calculated by mapping each extended input-output analys Exclusions The <i>Spend-based method</i> is value of the services purcha Data Sources - Activity data source - Resolute pu upstream tr - Emission Calculation	of transport and applying second logistics provider falling into this sis, EEIO (specifically, Exiobase) s used to assess emissions from ased. Data was disaggregated by : urchasing records and internal pr ransport spend in the reporting ye	lary (EEIO) emission f Scope 3 category to a . Emissions were calc upstream transportat / inland, water and air	ated to Category 9. ining the amount of factors. Emissions were an environmentally sulated well-to-wheel. ion using the transport.		



Category 5: Waste generated in operations

Category 5: Waste generated in operations					
Category description	Emissions from the disposal and treatment of waste generated in the reporting company's operations in the reporting year (in facilities not owned or controlled by the reporting company).				
Calculation status	Negligible significance, calculated				
Year	2021	2022	2023		
Emissions (tCO2e)	2,447	2,416	207		
Calculation status rationale	Although only minimal quantities of waste-producing GHG emissions are generated and processed by third parties, emissions associated with waste management are of increasing interest, and Resolute has the ability to minimise through direct engagement with suppliers to reduce emissions.				

Calculation boundary

Minimum boundary: The scope 1 and scope 2 emissions of waste management suppliers that occur during disposal or treatment.

Exclusions

Emissions from the transportation of waste to the location of disposal.

Calculation methodology

Emissions in this category were calculated with the Average-data method, which involves estimating emissions based on total waste going to each disposal method (e.g., landfill, recycling) and applying average emission factors for each disposal method. Emission factors used in this category come from the 2023 dataset of the UK Government Department for Energy Security and Net Zero (DESNZ), formerly known as DEFRA.

Data Sources

- Activity data source:
 - Resolute environmental management data for the total mass of waste generated by operations during the year and the proportion of this waste being treated by different methods.
- Emissions data source:
 - Protocol for the quantification of GHG emissions from waste management activities.
 - UK Government GHG Conversion Factors for Company Reporting 2023, developed by the Department of Environmental and Rural.

References

https://ghgprotocol.org/sites/default/files/standards_supporting/Chapter5.pdf
https://ghgprotocol.org/sites/default/files/Waste%20Sector%20GHG%20Protocol Calculation%20Tool Ve
rsion%205_October%202013_1_0.xls
https://www.environment.gov.au/system/files/resources/5a169bfb-f417-4b00-
9b70- 6ba328ea8671/files/national-greenhouse-accounts-factors-july-2017.pdf



Category 6: Business travel

Category 6: Business t	ravel		
Category description		portation of employees for rting year (in transport mod company)	
Calculation status	Negligible significance, c	alculated	
Year	2021	2022	2023
Emissions (tCO2e)	714	2,031	2,787
Calculation status rationale		business travel are not ma them for awareness and tr	

Calculation boundary

This category includes emissions from international flights taken by employees for business purposes, and includes Fly-in fly-out (FIFO) international flights. Emissions from the transport of employees to and from work via bus and domestic charted flights are accounted for in Category 7.

Exclusions

These include rail, bus and car travel by employees for business purposes, most of which would be trips to and from the airport, with emissions anticipated to be negligible. Emissions from hotel stays, which are optional in the Scope 3 guidance, were also be excluded. The majority of business travels are to the mines, and accommodation is provided on-site, therefore emissions from hotel stays are also anticipated to be negligible. Business travel emissions where the distance could not be adequately identified or details were not available were excluded.

Calculation methodology

The *Distance-based method* will be used to estimate emissions from flights taken for business. Resolute corporate travel service provider reports the specific Co2 emission data per flight which is collated.

Data Sources

- Activity data source:
 - Flight mileage and CO₂ emissions data provided per passenger from Resolute travel service providers in Australia and the UK for the reporting year.

References

https://ghgprotocol.org/sites/default/files/standards_supporting/Chapter6.pdf



Category 7: Employees commuting

Category 7: Employee	s commuting		
Category description	Emissions from the transpo homes and their worksites of or operated by the reporting	during the reporting yea	
Calculation status	Negligible significance, calo	culated	
Year	2021	2022	2023
Emissions (tCO2e)	3,615	6,617	3,028
Calculation status rationale	Although emissions from en Resolute, the company has transparency.		
Calculation boundary			
	issions from employees commu cessary to access mine sites, a		

Exclusions

Emissions from employees commuting to and from Resolute corporate offices and from teleworking will not be accounted for in this category.

Calculation methodology

The *Spend-based method* is used to calculate these emissions, as described in the calculation methodology for the Purchased goods and services category (Category 1).

Data Sources

- Activity data source:
 - Resolute internal procurement system data available for all domestic travel spend in the reporting year.
- Emission Calculation:
 - Normative Carbon Accounting Tool.

References

https://ghgprotocol.org/sites/default/files/standards_supporting/Chapter7.pdf https://normative.io/white-papers/



Category 8: Upstream leased assets

Category 8: Upstrea	am leased assets
Category description	Operation of assets leased by the reporting company (lessee) in the reporting year and not included in scope 1 and scope 2 – reported by the lessee.
Calculation status	Not relevant, not calculated
Calculation status rationale	The company does not have any upstream leased assets.
Calculation boundary	
	emissions from the operation of assets that are leased by the reporting ng year and not already included in the reporting company's scope 1 or scope 2
Exclusions	
None	
Calculation methodol	pqy
n/a	
Data Sources	
n/a	
References	
https://abaprotocol.org/s	sites/default/files/standards_supporting/Chapter8.pdf

https://ghgprotocol.org/sites/default/files/standards_supporting/Chapter8.pdf



Category 9: Downstream transportation and distribution

Category 9: Downstrear	n transportation and o	listribution	
Category description	Emissions from the tra by the reporting compa reporting company's of for by the reporting cor vehicles and facilities company).	ny in the reporting yea berations and the end npany), including retail	ar between the consumer (if not paid I and storage (in
Calculation status	Negligible significance	calculated	
Year	2021	2022	2023
Emissions (tCO2e)	493	591	8,051
Calculation status rationale	These emissions are n for Resolute as gold sh quantities. The compar transparency.	ipments are infrequen	t and of small
Calculation boundary			
Exclusions Emissions from the transport airports are accounted for in the refining company pays for this calculation. This will inco- trading and processing com Calculation methodology	n Category 7. Additionally or transportation, distribut clude the transport and di	emissions from tran on, and, or warehousir	sport of gold, where ng are excluded from
Emissions in this category w emission factor per transpor distance-weight for each tra Resolute Mining's facilities t database DESNZ (UK Gov)	t mode to the estimated t nsport was estimated bas o the refinery. Emission fa	on-kilometers of goods ed on the cost of trans	s transported. The sporting goods from
Data Sources			
 Activity data source: Resolute in the report 	: purchasing records availa	ble for downstream tra	
	ting year		ansport spend
- Emission Calculatior - Normativ		ol.	ansport spend
	1:	ol	ansport spend



Category 10: Processing of sold products

Category 10: Processi	ng of sold products		
Category description	Emissions from the proc reporting year by downs		
Calculation status	Negligible significance,	calculated	
Year	2021	2022	2023
Emissions (tCO2e)	17	19	18
Calculation status rationale	Resolute produces gold Although refining is not emissions are not signif Categories.	an energy intensive pro	cess, and these
	The company has calcu	llated it for awareness a	and transparency.
Calculation boundary			
during processing (e.g., fro	cope 1 and Scope 2 emission of energy use).	ons of downstream com	panies that occur
Exclusions			
None			
Calculation methodology			
The Average-data method processing of sold intermed emissions per refining proc	is used to calculate these e diate products based on ave ess.	missions, estimating en erage secondary data, s	nissions for such as average
Data Sources			
- Activity data source:	olumes sourced from Resol	ute Annual Report for t	he mass of gold
- Average emi and climate emissions da	ssion factors for gold refinir change: Current and future ata reported by a major prec	impacts" publication. Th	his report used
References			
	fault/files/standards_supporting		
		ge-current-and-future-imp	



Category 11: Use of sold products

Category 11: Use of s	old products
Category description	The end use of goods and services sold by the reporting company in the reporting year.
Calculation status	Not relevant, not calculated
Calculation status rationale	The end use of gold products in 2019 was for jewellery (48.5%), investments products (29%), central banks reserves (15%) and technology usage (7.5%), and none of these uses leads to significant GHG emissions.

Calculation boundary

Minimum boundary: The direct use-phase emissions of sold products over their expected lifetime (i.e., the scope 1 and scope 2 emissions of end-users that occur from the use of products that directly consume energy (fuels or electricity) during use; fuels and feedstocks; and GHGs and products that contain or form GHGs that are emitted during use). Optional: The indirect use-phase emissions of sold products over their expected lifetime (i.e., emissions from the use of products that indirectly consume energy (fuels or electricity) during use).

Exclusions

None

Calculation methodology

n/a

Data Sources

n/a

References

https://ghgprotocol.org/sites/default/files/standards_supporting/Chapter11.pdf



Category 12: End of life treatment of sold products

Category 12: End of life t	reatment of sold proc	ducts	
Category description		aste disposal and treatr any (in the reporting ye	
Calculation status	Negligible significance	e, calculated	
Year	2021	2022	2023
Emissions (tCO2e)	4.37	4.83	4.53
Calculation status rationale	circulation, as gold is recycled/repurposed. made up from recyclir smelting) is much less	ost of the gold ever proc not disposed of and ke Annually around 25% c ng. The recycling proce s energy-intensive than naterial source of Scope	pt as an asset or of the gold available is sses (melting and mining, and these
Calculation boundary			
Minimum boundary: The Scop occur during disposal or treat		ons of waste managem	ent companies that
Exclusions			
None			
Calculation methodology			
The Average-data method is a products, based on the total n by different methods and indu	nass of sold products, the	e proportion of waste be	
Data Sources			
 Proportion of Emission data source Average spective the "Gold and 	nual Report for the mass recycled gold based on : cific-emission factors for I climate change: Curren d Trends Full year and Q	2019 and 2020 World C recycling treatment are it and future impacts" p	Gold Council data.
References			
https://ghgprotocol.org/sites/defau https://www.gold.org/goldhub/rese https://www.gold.org/about-gold/g https://www.gold.org/goldhub/rese 2020/supply	earch/gold-and-climate-char old-supply	nge-current-and-future-imp	



Category 13: Downstream leased assets

Category description	Operation of assets owned by the reporting company (lessor) and leased to other entities in the reporting year, not included in Scope 1 and Scope 2 – reported by lessor.
Calculation status	Not relevant, not calculated
Calculation status rationale	The company does not have any downstream leased assets.
Calculation boundary	
	cope 1 and Scope 2 emissions of lessees that occur during operation of pergy use). Optional: The life cycle emissions associated with
	nergy use). Optional: The life cycle emissions associated with
leased assets (e.g., from er manufacturing or constructi	nergy use). Optional: The life cycle emissions associated with
leased assets (e.g., from er manufacturing or constructi Exclusions	nergy use). Optional: The life cycle emissions associated with
leased assets (e.g., from er manufacturing or constructi Exclusions None	nergy use). Optional: The life cycle emissions associated with
leased assets (e.g., from er manufacturing or constructi Exclusions None Calculation methodology	nergy use). Optional: The life cycle emissions associated with
leased assets (e.g., from er manufacturing or constructi Exclusions None Calculation methodology n/a	nergy use). Optional: The life cycle emissions associated with
leased assets (e.g., from er manufacturing or constructi Exclusions None Calculation methodology n/a Data Sources	nergy use). Optional: The life cycle emissions associated with



Category 14: Franchises

Category description	
	Operation of franchises in the reporting year, not included in Scope 1 and Scope 2 – reported by the franchisor.
Calculation status	Not relevant, not calculated
Calculation status rationale	The company does not have franchises.
Calculation boundary	
manufacturing or constructing	ise). Optional: The life cycle emissions associated with franchises.
None	
Calculation methodology	
n/a	
n/a Data Sources	



Category 15: Investments

Category description	Operation of investments (including equity and debt investments and project finance) in the reporting year, not included in Scope 1 or Scope 2.
Calculation status	Not relevant, not calculated
Calculation status rationale	Resolute has a strategic investment portfolio in 5 listed African focussed gold exploring companies, with ownership ranging from 8% to 27%. For this initial Scope 3 assessment, these sit outside of our organisational boundary and will be excluded due to the lack of Scope 1&2 data availability.
Calculation boundary	
This category includes sco	pe 3 emissions associated with the company's investments in the reporting in scope 1 or scope 2.
This category includes sco year, not already included	
This category includes sco year, not already included Exclusions	
This category includes sco year, not already included Exclusions None	in scope 1 or scope 2.
This category includes sco year, not already included Exclusions None Calculation methodology	in scope 1 or scope 2.
This category includes sco year, not already included Exclusions None Calculation methodology n/a	in scope 1 or scope 2.
year, not already included Exclusions None Calculation methodology n/a Data Sources	in scope 1 or scope 2.
This category includes sco year, not already included Exclusions None Calculation methodology n/a Data Sources	in scope 1 or scope 2.
This category includes sco year, not already included Exclusions None Calculation methodology n/a	in scope 1 or scope 2.



8. References

2019 Government greenhouse gas conversion factors for company reporting; https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/ 904215/2019-ghg-conversion-factors-methodology-v01-02.pdf

Akuo Kita Solar Project; https://cdm.unfccc.int/Projects/DB/RWTUV1476118411.47/view

GHG Protocol Corporate Accounting and Reporting Standard; WRI/WBCSD; 2004; <u>https://ghgprotocol.org/corporate-standard</u>

Normative Carbon Accounting software. https://normative.io/white-papers/

GHG Protocol Technical Guidance for Calculating Scope 3 Emissions (version 1.0); Supplement to the Corporate Value Chain (Scope 3) Accounting and Reporting Standard; <u>https://ghgprotocol.org/scope-3-technical-calculation-guidance</u>

Gold and climate change: Current and future impacts; <u>https://www.gold.org/goldhub/research/gold- and-climate-change-current-and-future-impacts</u>

Gold Demand Trends Full year and Q4 2020; <u>https://www.gold.org/goldhub/research/gold-demand-trends/gold-demand-trends-full-year-2020/supply</u>

Gold supply; https://www.gold.org/about-gold/gold-supply

Grid-connected Solar PV project in Mérina Dakhar; https://cdm.unfccc.int/Projects/DB/RWTUV1493712660.23/view

National Greenhouse Accounts Factors. Australian National Greenhouse Accounts; <u>https://www.environment.gov.au/system/files/resources/5a169bfb-f417-4b00-9b70-6ba328ea8671/files/national-greenhouse-accounts-factors-july-2017.pdf</u>

Protocol for the quantification of GHG emissions from waste management activities; <u>https://ghgprotocol.org/sites/default/files/Waste%20Sector%20GHG%20Protocol_Calculation%20T_ool_Version%205_October%202013_1_0.xls</u>