

2023 Carbon Reduction Plan
Achieving Net Zero by 2050



SMRESOURCES

COMMITMENT TO ACHIEVING NET ZERO

SolidMatters Resources Ltd is committed to achieving Net Zero emissions by 2050.

BASELINE EMISSIONS FOOTPRINT

Baseline Year: 2022 (1/01/2022 – 31/12/2022)

The Carbon Reduction Plan has been completed in compliance with PPN 06/21. Our Carbon Emissions in 2022 were measured in line with GHG Protocol and include the greenhouse gases stated in the Kyoto Protocol.

Baseline year emissions: 2022		
EMISSIONS	TOTAL (tCO ₂ e)	
Scope 1	18.78	
Scope 2	322.97	
Scope 3	1584.58	
Included Sources	Business Travel	1584.58
	Employee Commuting	0.00
	Upstream transportation and distribution	0.00
	Downstream transportation and distribution	0.00
	Waste generated in operations	0.00
Total Emissions	1926.32	

CURRENT EMISSIONS REPORTING

Reporting Year: 2022 (1/01/2022 – 31/12/2022)

The Carbon Reduction Plan has been completed in compliance with PPN 06/21. Our Carbon Emissions in 2022 were measured in line with GHG Protocol and include the greenhouse gases stated in the Kyoto Protocol.

Baseline year emissions: 2022		
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	Waste generated in operations	0.00
Total Emissions	1926.32	

REPORTING PERIOD

SolidMatters Resources Ltd will publish a Carbon Reduction Plan on a yearly basis detailing emissions released from UK Operations from 1st January to 31st December.

BASELINE YEAR & CURRENT REPORTING YEAR

Due to 2022 being the first year we have measured our CO₂e emissions, the report for the Baseline Year and Current Reporting year contains the same figures. Due to this, the explanations below apply to both sets of data:

SCOPE 1

Scope 1 is reported as 18.78 tCO₂e in 2022 as we have tracked the mileage travelled by our fleet and boilers. **SolidMatters Resources Ltd** do not have on-site manufacturing, or f-gases to report emissions on.

SCOPE 2

Within Scope 2, we have measured the emissions released from working from home and the consumption of purchased gas and electricity in office. With **SolidMatters Resources Ltd** employees making the most of hybrid working, we have calculated 3 out of 5 days as spent working from home and the other 2 from the office. Heating, lighting and computer consumption have all been taken into account to calculate emissions released due to working from home.

SCOPE 3

BUSINESS TRAVEL

The emissions resulting from business travel, have been calculated. This includes travel by Rail, Bus, rental cars, flights and employee-owned vehicles for business purposes, excluding the commute to and from work.

EMPLOYEE COMMUTING

The Employee commuting Subset in Scope 3 is reported as 0.00 tCO₂e in 2022 due to **SolidMatters Resources Ltd** not currently recording employee commuting. We are looking to ask staff to report any travel monthly and will therefore re-baseline once the subset can be confidently reported.

UPSTREAM AND DOWNSTREAM TRANSPORTATION

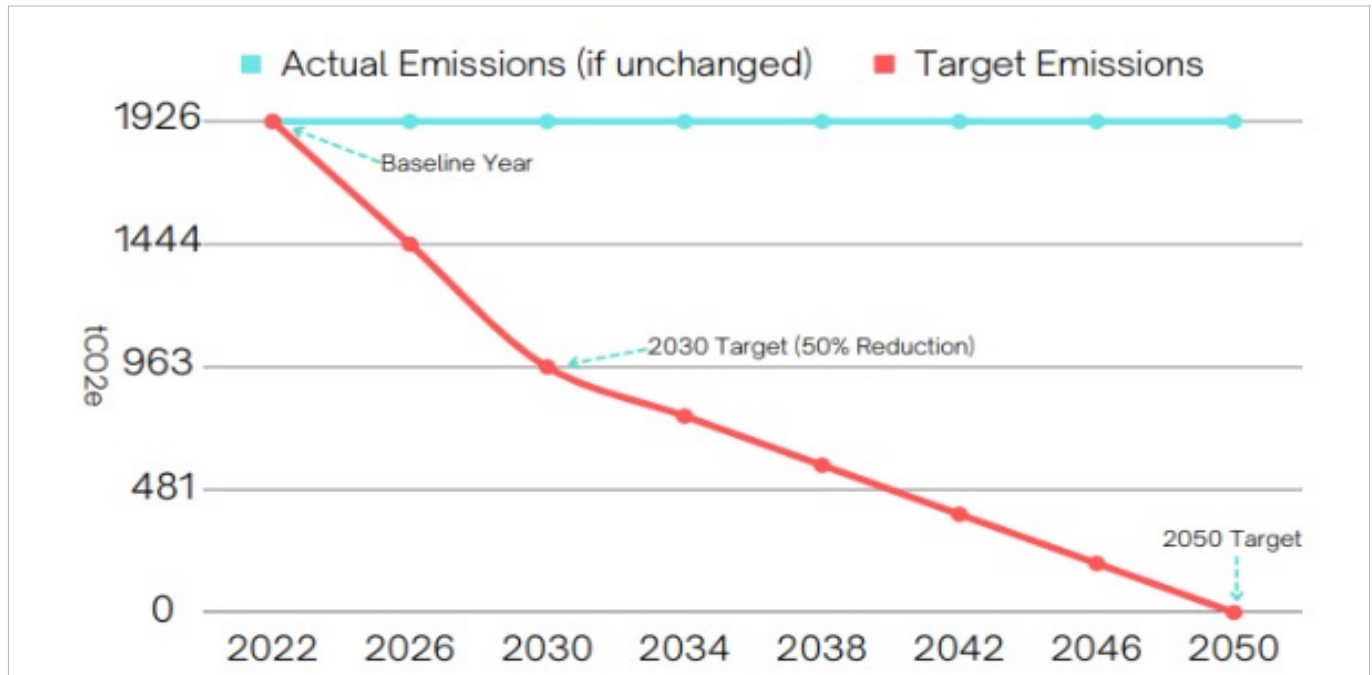
We are currently looking to track our upstream and downstream transportation and distribution in more detail, however, we currently don't have these figures available. Consequently, the 2 subsets in Scope 3 are reported as 0.00tCO₂e. Due to this, we are looking at our supply chain to ensure all mileage is tracked. Once the data is available, we will re-baseline to ensure our carbon emissions can be compared fairly year on year.

WASTE GENERATE IN OPERATIONS

As of now, **SolidMatters Resources Ltd** does not have a waste removal provider. Therefore, we do not have access to specific data regarding CO₂e emissions related to waste disposal.

EMISSIONS REDUCTION TARGETS

In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets. We project that carbon emissions will decrease over the next five years to 1155.80 tCO₂e by 2028. This is a reduction of 40%.



CARBON REDUCTION PROJECTS

COMPLETED CARBON REDUCTION INITIATIVES

The following environmental management measures and projects have been completed or implemented since the 2022 baseline:

- We will encourage teams meetings be utilized wherever possible to reduce emissions from travel.
- We employee hybrid working to reduce the emissions generated from employees travelling to and from the office
- We will research greener heating sources such as electric heating systems or solar thermal heating to reduce emissions from Mains Gas Combustion
- We will incorporate the most efficient and effective machinery, equipment and lighting into our offices and services to prevent the likelihood of waste
- We are sponsoring ClimateHack.AI 2023, an initiative looking to develop AI Models to better forecast and predict more accurate near term solar photovoltaic, with the aim of removing upwards of 100 kilotonnes of carbon being emitted in the UK alone.

DECLARATION AND SIGN OFF

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard¹ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting².

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard³.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors.

Signed on behalf of the Supplier:

Date:

¹<https://ghgprotocol.org/corporate-standard>

²<https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

³<https://ghgprotocol.org/standards/scope-3-standard>