

Carbon Reduction Plan

Organisation's name: RED LANDS ROSES PLC

Publication date: 05TH DECEMBER 2023

Commitment to Achieving Net Zero

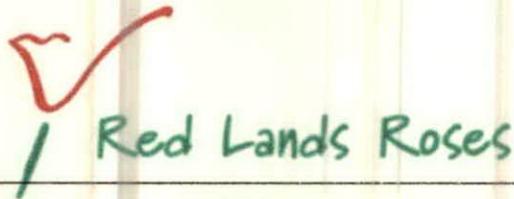
RED LANDS ROSES PLC is committed to achieving Net Zero emissions by 2042.

Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured.

Baseline Year: 2020	
Additional Details relating to the Baseline Emissions calculations.	
This carbon footprint baseline considers the impact of self-generated electricity.	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	1301
Scope 2	157
Scope 3	2,200
Total Emissions	3,659.00





Reporting Year: 2021	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	816
Scope 2	176
Scope 3	2,041
Total Emissions	3,033



Current Emissions Reporting

Reporting Year: 2022	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	700
Scope 2	65
Scope 3	1,847
Total Emissions	2,612



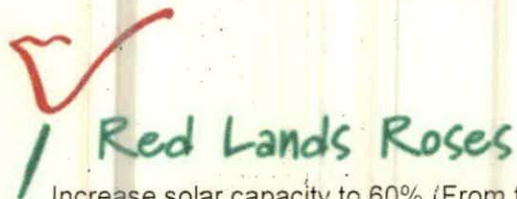
Emissions Reduction Targets

Red Lands Roses Plc has achieved 17.12% CO₂e reduction (in year 2020/2021) and 14% CO₂e reduction (2021/2022) against a 5% reduction target year on year. This means that the company is on track to achieve a Net zero target on or before year 2042.

In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets.

1. Replace all the remaining R22 refrigerants four units remaining
2. Better/more efficient cold rooms and delivery truck coolers.
 - a. More efficient cold room 90% done by Dec 2023, to be completed by January 2024
 - b. Delivery trucks has been equipped with more efficient truck coolers one old truck to be replaced in year 2024.
3. Efficient spray pumps – The company has bought two efficient pulsfog at a cost of 1M each





Increase solar capacity to 60% (From the current 30%) of clean energy by December 2024

4. Already built a big water reservoir now in use from January 2023 to increase the capacity of rain water harvest
5. We have transitioned to 100% to paper sleeves from June year 2023
6. Efficient recycling of Greenhouse plastic paper
7. Planted 13,000 trees through "Adopt a forest" initiative from Kenya Association of manufacturers. The company plan to continue with this initiative of planting at least 10,000 trees every year.



Red Lands Roses Plc has a reduction target of 5% year on year. However, based on the current reduction achieved over the last two years, and the initiatives that the company continue to implement,

We project that carbon emissions will decrease to 2,195 tCO₂e by 2025.

This is a reduction of 40%

We project that carbon emissions will decrease to 1,464 tCO₂e by 2030.

This is a reduction of 60%



Carbon Reduction Projects

Completed Carbon Reduction Initiatives:

1. Replaced 50% of R22 Refrigerants
2. Use of organic glue to make boxes rather than pins.
3. Re-usable plastic buckets in the cold rooms to replace organic one use boxes.
4. Water recycling in the Greenhouses (100% hydroponics)
5. Solar Park which generates 23% of clean energy
6. Purchasing of more durable Personal protective equipment's which last longer.
7. New bigger water reservoir to store storm water for rain water harvesting.
8. Introduction of paper sleeves
9. Carbon offsetting



Future Carbon Reduction Initiatives:

1. Continue upgrading the old cold rooms for better efficiency
2. Switch from Diesel powered trucks to electric powered flower delivery trucks
3. Continue with the "Adopt a forest" initiative from KAM increase the acreage
4. Continue with rain water harvesting
5. Registration and assessment of our rose flowers plantation as a carbon sink.



The highest quality flowers grown using environmentally friendly techniques **Waridi Moyoni**

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Directors: Mr. A Caude *, Ms. M. A. Osier**, Mrs. I.H.Spindler *, Mr. A. Spindler *, Mr. A. Delaporte*
(* French, **Kenya)



Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with UN Climate Neutral Now Initiative participation framework and guidelines on recommended reduction targets.

Emissions have been reported and recorded in accordance with the published GHG Reporting Protocol corporate standard.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).



Signed on behalf of the Organisation:

[Handwritten signature]
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SAMUEL NJUGUNA

CHIEF FINANCE OFFICER



Date: 5TH December 2023

