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Carbon Footprint

Scope 1, Scope 2
FNRCO GHG Emissions Analysis 2023 Report

This document is an integral part of the overall ESG Report of FNRCO

Emission Scope	GHG Emitted	Measurement Approach	Total Emissions (Metric Tons CO2e)	Value (Metric Tons CO2e)	Commentary
Scope 1	CO2	Fuel combustion in company vehicles and on-site	50	45	FNRCO's Scope 1 CO2 emissions exceed the industry standard by 5 metric tons, indicating a potential area for carbon footprint reduction initiatives.
	CH4	Incomplete combustion of fuels	1	0.8	Methane emissions are slightly higher than the standard, suggesting a need to improve combustion efficiency.
	N2O	Emissions from fuel combustion	0.5	0.4	Nitrous Oxide emissions are above standard, possibly from heating systems or vehicles.
	HFCs	Leakages from cooling appliances	0.3	0.2	HFCs exceed the average, pointing to a need for better maintenance or updated cooling systems.
	PFCs	Emissions from refrigeration	0.1	0.05	PFC emissions are double the standard, suggesting the need for updated refrigerants or equipment.
	SF6	Use in electrical equipment	0.05	0.03	Slightly higher than standard; may require updating electrical infrastructure.
	NF3	Use in industrial processes	0.02	0.01	Emissions match the expected standard value for industrial HR processes.



FNRCO GHG Emissions Analysis 2023 Report on **Scope 2**

Emission Scope	GHG Emitted	Measurement Approach	Total Emissions (Metric Tons CO2e)	Value (Metric Tons CO2e)	Commentary
Scope 2	CO2	Purchased electricity consumption	100	90	Scope 2 emissions are higher than the industry average, signaling room for energy efficiency improvements or shifts to renewable sources.



FNRCO GHG Emissions Analysis 2023 Report on **Scope 2**

Scope 2

FNRCO's total Scope 1 GHG emissions amount to 52.95 metric tons of CO₂e, which is higher than the industry standard for an HR company. The majority of these emissions come from CO₂, indicative of fuel use in vehicles and on-site energy consumption. Efforts to reduce Scope 1 emissions could include transitioning to more efficient vehicles, enhancing fuel efficiency, and improving maintenance protocols to minimize leaks of refrigerants.

Scope 2

The company's Scope 2 emissions are at 100 metric tons of CO₂e, 10 metric tons higher than the industry standard. This encompasses all emissions from the electricity FNRCO purchases. Strategies to reduce these emissions could focus on energy conservation measures, upgrading to more energy-efficient appliances and lighting, and investing in green energy options when available.

FNRCO GHG Emissions Analysis 2023 Report reveals that while the company is actively tracking and reporting emissions, there are opportunities to enhance sustainability efforts to align more closely with or improve upon industry standards. Targeted actions to reduce emissions in both Scope 1 and Scope 2 categories will not only aid in minimizing FNRCO's environmental impact but will also support the company's commitment to social responsibility and sustainable business practices. Moving forward, FNRCO may consider setting quantifiable reduction targets and investing in renewable energy and carbon offset projects to further their environmental