

CAPITAL REVIEWS / OUR ENVIRONMENT continued

GREENHOUSE GAS EMISSIONS

Grindrod's greenhouse gas emissions have been declining steadily over the past five years.

Performance against targets

Normalised Group emissions (CO₂e per Rand revenue)



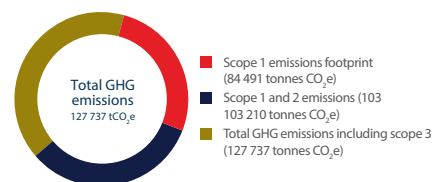
Land-based GHG emissions



Performance over time

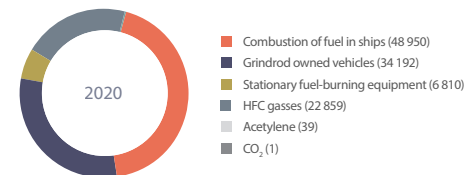
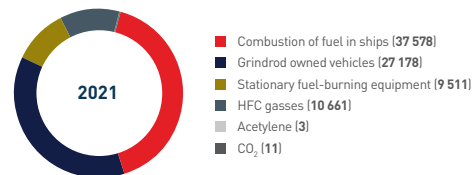
Key performance indicator

| | 2021 | 2020 | 2019 | 2018 | 2017 |
|--|---------|---------|---------|---------|---------|
| Scope 1 emissions footprint (tonnes CO ₂ e) | 84 941 | 112 880 | 125 833 | 119 017 | 116 800 |
| Scope 1 and 2 GHG emissions (tonnes CO ₂ e) | 103 210 | 128 147 | 142 899 | 134 427 | 132 354 |
| Total GHG emissions including scope 3 (tonnes CO ₂ e) | 127 737 | 156 200 | 181 437 | 169 611 | 140 236 |
| Sox emitted (tonnes) | 15 | 20 | 18 | 16 | 16 |
| Nox emitted (tonnes) | 370 | 414 | 689 | 619 | 613 |



Grindrod Scope 1 footprint (tonnes CO₂e) per activity

Grindrod monitors its Scope 1 and Scope 2 emissions in an effort to minimise its greenhouse gas emissions. Freight services account for approximately 98% of Grindrod's carbon footprint. Solar feasibility studies were conducted at several of our Terminals where options are being considered.



Risk management, as a sub-set of governance, allows Grindrod to identify potential risks and leveraging opportunities in achieving its purpose and growth strategy. The risk management framework is reviewed annually and provides for enhanced oversight by assigning specific risks with accompanying responsibilities to the relevant Board committees, executive management, and management functions. Refer the Risk Report page 17.

FIVE KEY AREAS OF FOCUS

1. *Water* is a scarce resource and Grindrod continues to strive to drive water efficiency.
2. Grindrod recognises the role of sustainable *waste management* in contributing towards a circular economy.
3. Grindrod monitors its Scope 1 and Scope 2 emissions in an effort to minimise its *greenhouse gas emissions*.
4. Grindrod recognises the role that the combustion of *energy and fuels* in transport and electricity generation play in terms of climate change and sets targets to participate in, and contribute to, the just transition to a low-carbon economy.
5. Grindrod recognises the opportunities for business efficiency in *renewable energy*. In this regard, Grindrod continues to investigate the feasibility of appropriate renewable energy options for its business and develop a timeframe for renewable energy roll-out within the company.

