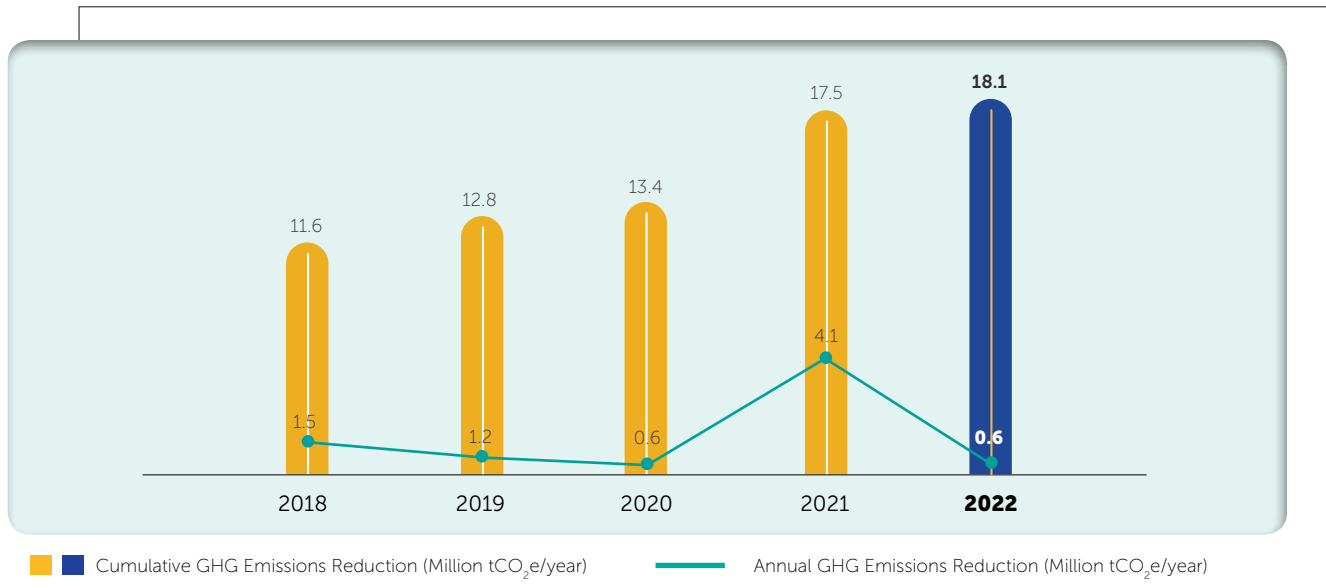


Five-Year Sustainability Key Performance Data

GHG Emissions Reduction from Projects (Million tCO₂e/year)

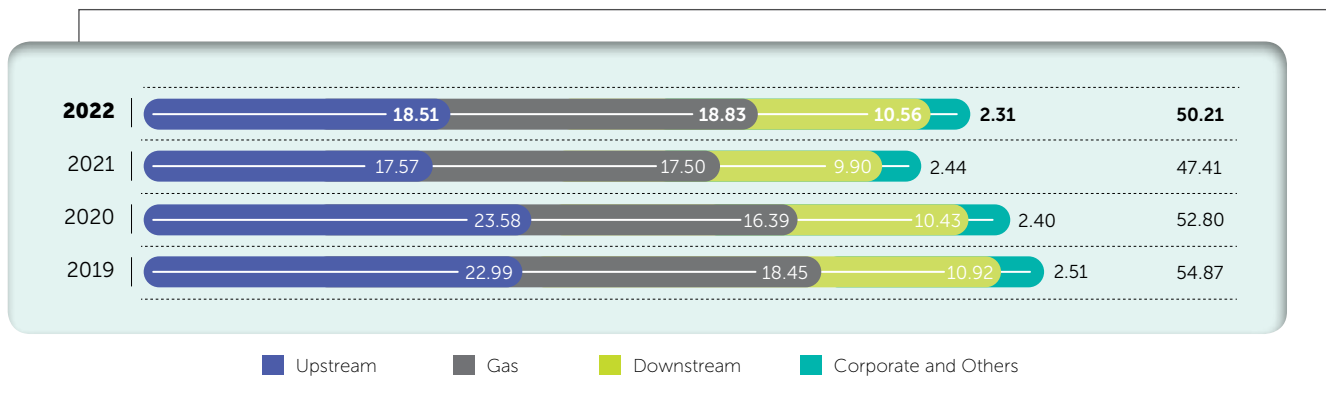


GHG emissions reduction are calculated as per ISO 14064-2: 2019 and do not reflect the year-on-year GHG emissions differences. According to ISO 14064-2, GHG projects are activities that alter the conditions of a GHG baseline and which cause GHG emissions reduction or GHG removal enhancements.

Cumulatively since 2013, we have reduced 18.1 Million tCO₂e of GHG emissions from our operations. Over the years, GHG emissions reduction was achieved through flaring and venting reduction initiatives in Upstream as well as energy efficiency improvements in Gas and Downstream businesses. Moving forward, electrification and CCS efforts will contribute more to meet our short-term and mid-term targets.

GHG Emissions – Equity Share

Total GHG Emissions Breakdown by Business (Million tCO₂e)



Equity share reflects economic interest, which is the extent of rights a company has to the risks and rewards flowing from an operation. Hence, PETRONAS has set mid-term and long-term targets by referring to FY2019 as the base year on equity share approach. The GHG emissions for FY2019 is adjusted to be 54.87 Million tCO₂e taking into consideration divestments and changes of equity ownership in Upstream business, as well as new information obtained from equity partners in Gas and Downstream businesses. In 2022, Gas business contributed the highest GHG emissions (37.50 per cent), followed by Upstream business (36.87 per cent), Downstream business (21.03 per cent), and Corporate and Others (4.60 per cent).