Responses to Climate Change (TCFD) | Status of Greenhouse Gas Reduction Efforts/Emissions

GRI 302-1,3,4/305-1,2,4,5,6

Energy consumption and CO_2 emissions

Energy consumption for fiscal 2022 decreased 7.8% from the previous fiscal year for the NOF Group, and decreased 7.0% from the previous fiscal year for NOF. The total volume of energy-derived CO_2 emissions decreased 13.5% from the previous fiscal year to 149,000 tons for the NOF Group, and decreased 15.9% from the previous fiscal year to 111,000 tons for NOF. Energy intensity per product increased 2.0% from the previous fiscal year to 13.8 GJ/t for the NOF Group, and increased 4.6% from the previous fiscal year to 14.5 GJ/t for NOF. NOF will continue to implement energy-saving measures to produce even greater results.

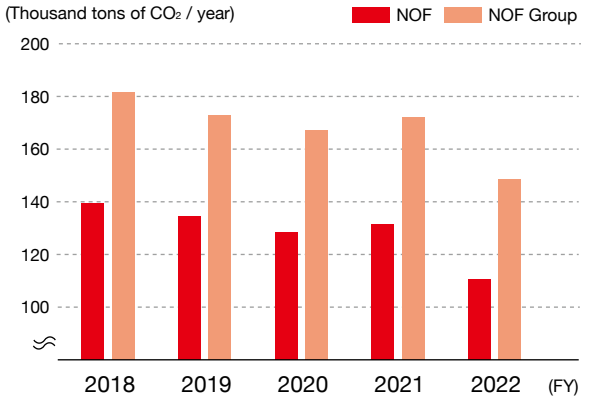
CO_2 emissions other than from energy consumption

At the Aichi Works, NOF manufactures products for specific purposes using perfluorocarbon (PFC), which has a high global warming coefficient, as the diluent for organic peroxides.

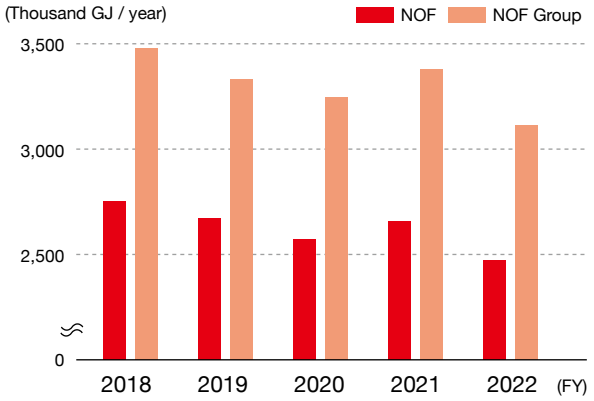
Efforts have been made to reduce PFC emissions by improving the manufacturing equipment on numerous occasions. As a result, PFC emissions have been reduced substantially compared with those in fiscal 1995 (the reference fiscal year for PFCs).

In fiscal 2022, emissions increased by 144% compared to fiscal 2021. However, we will continue our efforts to reduce emissions through stable operation of recovery equipment and promoting the use of an alternative diluent.

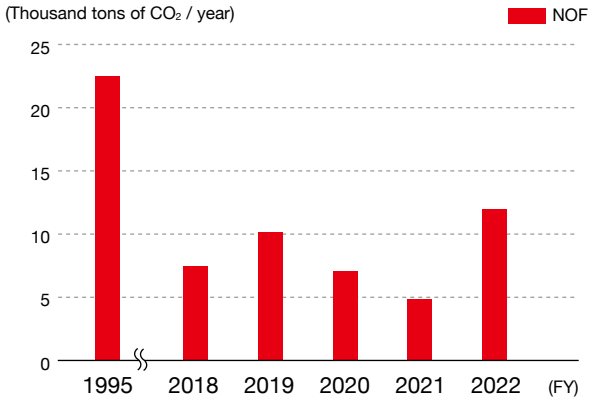
Changes in CO_2 emissions*1 by energy consumption



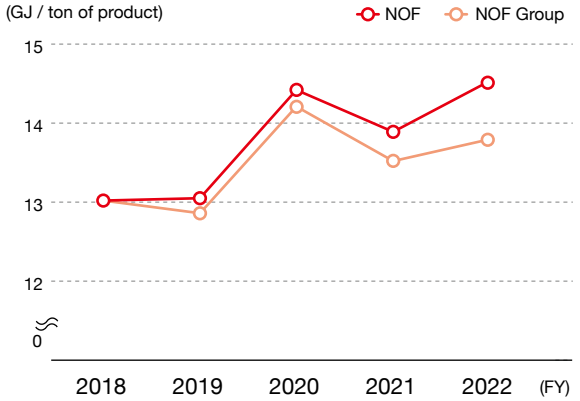
Changes in energy consumption*2



Changes in PFC emissions



Changes in energy intensity per product



*1 The coefficient used in converting the electricity consumption into CO_2 emissions is the emission coefficient used by electric power supply companies in the fiscal year.
*2 The energy consumption is estimated using 9.76 MJ/kWh as the coefficient when converting electric power consumption into the calorific value.