

Hong Kong greenhouse gas emission inventory for 2022 released

The Environment and Ecology Bureau released today (November 30) the 2022 greenhouse gas (GHG) emission inventory for Hong Kong.

Hong Kong's total GHG emissions in 2022 amounted to 33.5 million tonnes of carbon dioxide equivalent (CO₂-e), representing a decrease of about 4 per cent compared with 2021. When compared with the peak of about 44.2 million tonnes in 2014, there was a reduction of about 24 per cent.

The per capita GHG emissions in 2022 amounted to about 4.55 tonnes, which was about 3 per cent lower than that in 2021.

Carbon intensity is the measure of GHG emitted per Hong Kong dollar of gross domestic product (GDP). The carbon intensity in 2022 was about 0.012 kilograms CO₂-e per Hong Kong dollar GDP, which was about 0.2 per cent, slightly lower than that in 2021. When compared with that of the 2005 base year, carbon intensity has been reduced by about 44 per cent.

Electricity generation continued to be the major source of emissions, amounting to 63 per cent of the total emissions. Other major emission sources were the transport sector (19 per cent) and waste management (8 per cent).

Details of the 2022 GHG emission inventory can be found on the following website:

cnsd.gov.hk/en/climate-ready/ghg-emissions-and-trends.

Hong Kong published Hong Kong's Climate Action Plan 2050 in 2021, which sets the target to reduce Hong Kong's total carbon emissions from the 2005 level by half before 2035 and to achieve carbon neutrality before 2050, through the four major decarbonisation strategies and measures, namely net-zero electricity generation, energy saving and green buildings, green transport and waste reduction.