Transport: International Aviation

This lever controls the sublevers listed in the table, and ambition levels are for the end year shown on the right-hand side.

Kenya aims to reduce its greenhouse gas (GHG) emissions by 30% by the year 2030 compared to the business as usual (BAU) scenario.

International Aviation in Kenya is powered by Jet Kerosene (Jet A1) only. International Aviation in Kenya is mainly used to transport cargo and passengers around the world. The passengers are a mix of local and international tourists and business passengers. The number of international passengers increases by 7% on average every year. The goal is to reduce the number of international travellers thus reducing international distance covered, ideally reducing the amount of carbon emissions contributed by international airlines.

The base year selected is 2015. Four ambition levels are assumed as below.

Key interactions

Emissions from aviation can also be reduced through efficiency improvements, partial electrification / hybridization and biofuels.

Level 1

200% increase in travel per person due to the airport expansion works ongoing at the Jomo Kenyatta International Airport.

Level 2

97.8% increase in travel per person. This represents 2/5ths of the decrease between Level 1 and Level 4.

Level 3

78% increase in travel per person. This represents 7/10ths of the decrease between Level 1 and Level 4.

Level 4

There is 54% increase in international air travel per person.

Default Timing Start year: 2020, End year: 2050

Sub-Lever	Units	2015	Level 1	Level 2	Level 3	Level 4
International	Psg km.					
passenger travel	/ person	90.5	200.0	180.0	162.0	146.0

International Aviation - Annual Average Passenger Distance Travelled



