

# Greenhouse Gas (CO<sub>2</sub>) Equivalencies for King Saud University (2023)

The following figures of metric tons of CO<sub>2</sub> per year are calculated either from the actual consumption (scope 1 and scope 2) or from assumption (scope 3).

## SCOPE 1

345,073 metric tons of CO<sub>2</sub> per year equivalent to 797 GWH yearly of Electricity consumed within the university.

## SCOPE 2

77,300 metric tons of CO<sub>2</sub> per year equivalent to 60 cubic meter per day of diesel fuels used in boilers and 4 cubic meter per day of LPG consumed within the university.

## SCOPE 3

224,500 metric tons of CO<sub>2</sub> per year equivalent to 10,000 vehicles (working for 30 minutes) within the university.

SCOPE 1 + SCOPE 2 = 422,373 metric tons of CO<sub>2</sub> per year

The baseline of the of the YEAR = SCOPE 1 + SCOPE 2 +SCOPE 3 = 646,873 metric tons of CO<sub>2</sub> per year

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