

Greenhouse Gas (CO₂) Equivalencies for King Saud University (2023-2024)

تقدير لمكافئات غازات الاحتباس الحراري (ثاني أكسيد الكربون)
بجامعة الملك سعود (٢٠٢٣ - ٢٠٢٤)

The following scope 1 and scope 2 of metric tons of CO₂ per year are calculated from the actual consumption for both electricity and fuel (diesel and LPG).

SCOPE 1

339,383 metric tons of CO₂ per year equivalent to **783,794,967 kWh** yearly of Electricity consumed within the university during the period Jan. 2023 – Dec. 2023 (*Reference: Monthly Bills from Saudi Electricity Company*).

SCOPE 2

27,487 metric tons of CO₂ per year equivalent to **10,260 cubic meter** per year of diesel fuels used in boilers and 1,395 metric tons of CO₂ per year equivalent to **945 cubic meter** per year of LPG consumed within the university during the period April 2023 – March 2024. Total Scope 2 is 28,882 metric tons of CO₂ per year (*Reference: Monthly reports from operation and maintenance contractor*).

SCOPE 3

No data is available for this scope (no. of vehicles, busses, trucks...etc.)

SCOPE 1 + SCOPE 2 = 368,265 metric tons of CO₂ per year

Dr. Talaat A. Ibrahim

April 01st, 2024