



Kuwait University Carbon Emissions Report

جامعة الكويت
KUWAIT UNIVERSITY

Kuwait University Carbon Emission Report	Document No.:04-2024
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DOCUMENT HISTORY

Revision No.	Date	Amendment	Section	Approved by
1.0	02/02/2026	Update the energy consumption rate.	4.0 Energy Consumption Rate at Kuwait University	Planning Sector

1.0 INTRODUCTION

Welcome to Kuwait University's Carbon Emissions Reporting platform, dedicated to transparently measuring and reporting our greenhouse gas (GHG) emissions in alignment with the GHG Protocol Corporate Standard. This initiative reflects Kuwait University's commitment to sustainability and environmental responsibility as outlined in our 2018-2028 strategic plan under the Sustainability Directive. Through this website, we aim to inform the university community and stakeholders about our carbon footprint, ongoing reduction efforts, and progress towards a greener campus.

Carbon Emissions Reporting at Kuwait University adheres to internationally recognized standards, with a focus on the GHG Protocol Corporate Standard. This standard provides a comprehensive framework for calculating and reporting GHG emissions, specifically Scope 2 and Scope 3 emissions.

Currently, **Scope 1** emissions are not applicable as there are no direct emissions from sources owned or controlled by Kuwait University. Normal operations do not involve on-campus generators or other combustion processes that result in direct emissions. Additionally, on-campus vehicles are not monitored at present, as vehicles do not enter the campuses. However, it is essential to note that emissions from on-campus vehicles will be estimated in the future after completing the transfer of all colleges to the new Sabah AlSalem University City. This estimation will help us assess and address any emissions associated with on-campus transportation effectively.

Scope 2 Emissions are indirect emissions associated with purchased electricity, heating, and cooling consumed by Kuwait University.

Scope 3 Emissions are indirect emissions that occur outside the university's control but result from university activities. Scope 3 emissions are not current reported but will be considered in future. This may include emissions from students and staff commuting from their residences to campus.



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Complete reallocation in the new Sabah AlSalem University City will provide the needed infrastructure for reporting this type of emissions.

2.0 PROGRESS AND REPORTING

Kuwait University is committed to annual reporting on our carbon emissions. The data will be accessible on this platform and will include in future trend analysis, targets, and the effectiveness of our emission reduction strategies.

3.0 ENGAGING THE UNIVERSITY COMMUNITY

We believe that achieving meaningful results requires the active involvement and cooperation of the entire university community. We encourage students, staff, and faculty to participate in sustainability initiatives and contribute to lowering our carbon footprint.

4.0 ENERGY CONSUMPTION RATE AT KUWAIT UNIVERSITY

We track the progress of our carbon emissions reduction initiatives through Key Performance Indicators (KPIs) that compare actual consumption rates to optimal rates. These KPIs help us assess the effectiveness of our efforts in achieving our sustainability targets.

The Energy Consumption Rate initiative aims to optimize energy use across our campuses, thereby reducing Scope 2 emissions associated with purchased electricity, heating, and cooling.

Total Scope 2 carbon emissions in tons of carbon dioxide equivalent (tCO₂e) using an emission factor of 0.45 kg CO₂/kWh, based on the energy mix of fuel used in Kuwait for power generation.

The following table reports the actual and target consumptions of electricity, as well as the estimated Scope 2 carbon emissions, starting from the academic year 2018-2019:

Academic Year	Actual (kWh)	Target (kWh)	Carbon Dioxide Equivalent (tCO ₂ e)
2018-2019	166×10 ⁶	200×10 ⁶	74,600
2019-2020	298,691,520	200×10 ⁶	13,411
2020-2021	251,234,180	350×10 ⁶	113,055
2021-2022	458,737,828	500×10 ⁶	206,432
2022-2023	487,150,134	500×10 ⁶	219,217
2023-2024	839,299,357	100×10 ⁷	377,685

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5.0 WATER CONSUMPTION RATE AT KUWAIT UNIVERSITY

Our Water Consumption Rate initiative focuses on responsible water management to minimize water wastage and associated carbon emissions. The following table reports the actual and target consumptions of water starting from the academic year 2018-2019:

Academic Year	Actual (m ³)	Target (m ³)
2018-2019	946,353	1.0 X 10 ⁶
2019-2020	1,486,292	1.0 X 10 ⁶
2020-2021	394,700	1.0 X 10 ⁶
2021-2022	1,486,292	1.5 X 10 ⁶
2022-2023	1,039,132	1.5 X 10 ⁶

As we strive to minimize our carbon footprint, we acknowledge that the recent expansions in Kuwait University's sites and campuses have led to increased energy and water demands.

The upcoming unification of all campuses at Salah AlSalem University City presents a significant opportunity to optimize resource usage, further reducing our carbon emissions and promoting a sustainable campus environment.

6.0 EMISSIONS REDUCTION STRATEGIES

- **Renewable Energy:** We continuously explore and invest in renewable energy sources to reduce Scope 2 emissions.
- **Energy Efficiency:** Implementing energy-efficient technologies and practices across campus facilities helps minimize energy consumption and emissions.
- **Sustainable Transportation:** Promoting eco-friendly commuting options and optimizing campus transportation contribute to lowering Scope 1 and Scope 3 emissions.
- **Waste Management:** We encourage waste reduction, recycling, and proper disposal practices to reduce emissions associated with waste management.

7.0 CONCLUSION

Kuwait University is dedicated to playing its part in combatting climate change and ensuring a sustainable future for generations to come. Through our transparent Carbon Emissions Reporting platform, we aim to inspire and lead by example in the pursuit of a greener and more environmentally



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responsible institution. Together, we can make a difference and create a positive impact on our planet.