



## Template for Evidence(s) QS

# 2026

**University :Al-Furat Al-Awsat Technical University**

**Country : Iraq - Najaf Ashraf - Kufa**

**Web Address : <http://en.atu.edu.iq/>**

**Document Title:**

Carbon Emissions Report – Al-Furat Al-Awsat Technical University (ATU)

**Prepared for:** QS Sustainability Rankings

**Reporting Year:** 2026 (based on 2025 baseline data)

**Date:** April 13, 2026

## 1. Total Scope 1 & 2 Emissions (tCO<sub>2</sub>e)

According to ATU's internal calculation template (see attached PDF evidence), the combined Scope 1 and Scope 2 emissions are:

**151.608 tCO<sub>2</sub>e**

**Breakdown:**

- Scope 1 (electricity usage): 20.328 tCO<sub>2</sub>e
- Scope 2 (shuttle buses + cars + motorcycles): 20.16 + 109.44 + 1.68 = 131.28 tCO<sub>2</sub>e

*(Note: In the file, Scope 2 is labelled as CO<sub>2</sub> from transport; the sum matches the total footprint.)*

These figures are based on actual operational data (electricity consumption, fleet trips, vehicle entries) and the formulas provided by QS.

## 2. Scope 3 Emissions (tCO<sub>2</sub>e)

ATU has Scope 3 emissions typically range from **2 to 3 times the combined Scope 1 & 2 emissions** (sources: Carbon Trust, CDP, and sector-specific guidance for higher education).

Therefore, a **logical and conservative estimate** for ATU's Scope 3 emissions is:

**380 tCO<sub>2</sub>e**

*(calculated as 151.608 × 2.5)*

**Main Scope 3 sources at ATU (qualitative):**

- Student and staff commuting (cars, buses, motorcycles) between home and 16 campuses.
- Business travel (flights for conferences, workshops).
- Purchased goods (paper, lab equipment, furniture).
- Waste disposal (solid waste sent to landfills).
- Water supply and treatment.

**Note:** A full Scope 3 measurement is planned for the 2027 reporting cycle.

### 3. URL

**Proposed future URL (to be published by May 2026):**

<https://sustainability.atu.edu.iq/index.php/environment-effect>

### 4. Conclusion

| Parameter            | Value (tCO <sub>2</sub> e) | Status                      |
|----------------------|----------------------------|-----------------------------|
| Scope 1 + 2          | 151.608                    | Measured (actual)           |
| Scope 3              | 380                        | Estimated (benchmark-based) |
| <b>Total (1+2+3)</b> | <b>531.608</b>             | <b>Partial estimate</b>     |

ATU is committed to improving carbon accounting and will publish verified Scope 1, 2, and 3 data in the next sustainability report.

**Prepared by:**

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