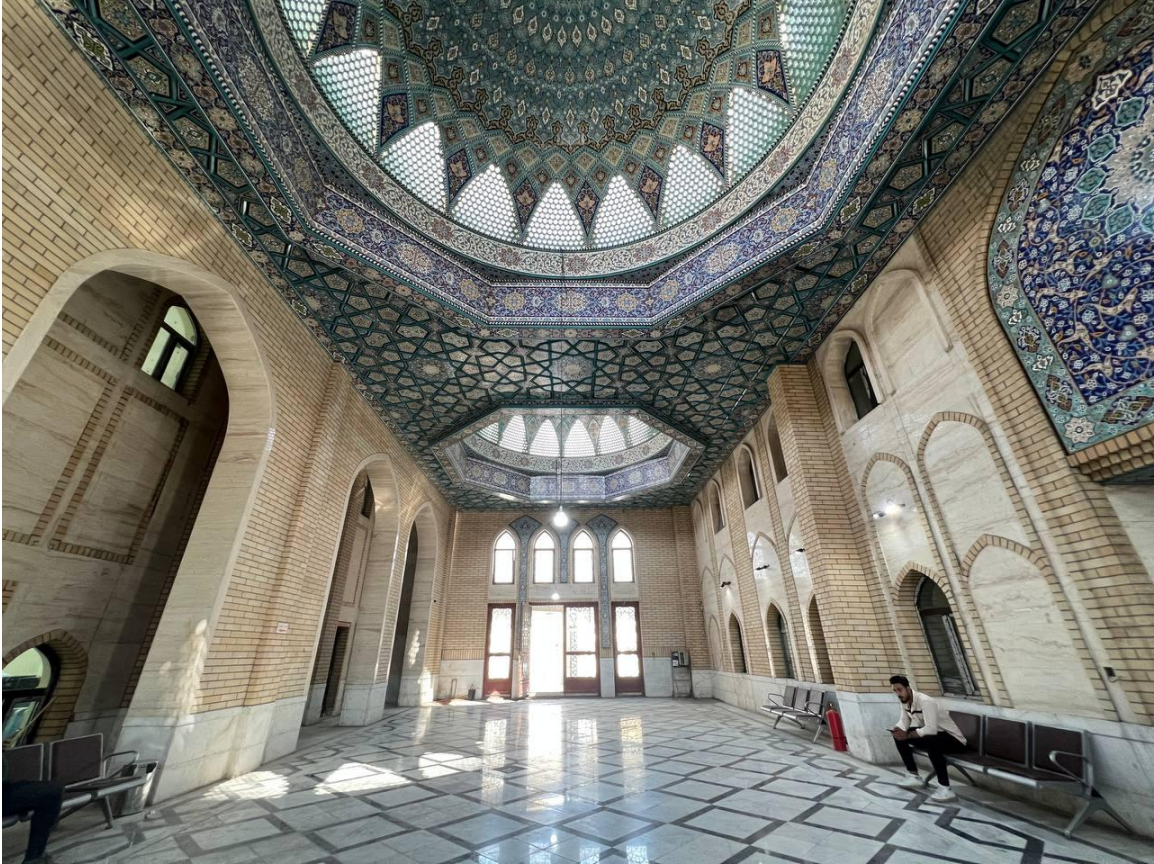




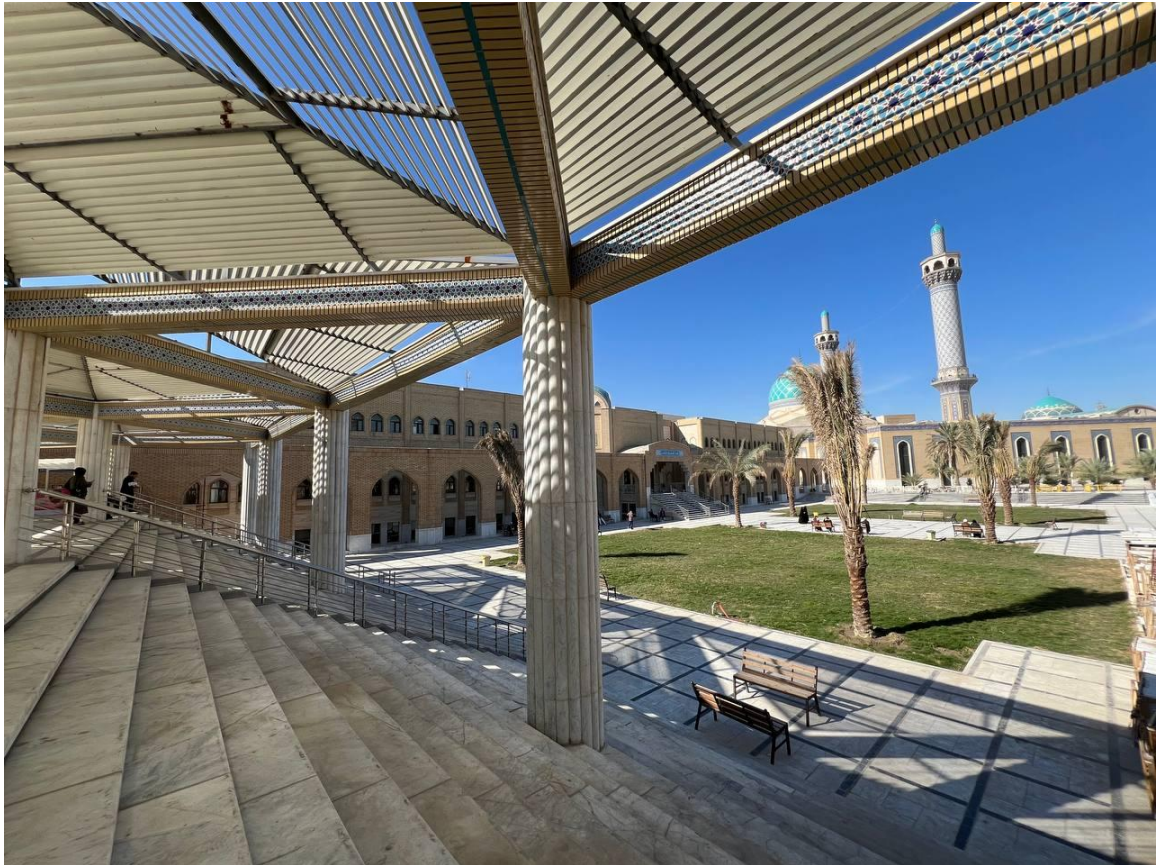
Sustainability Report for Altoosi University (previously, college)

October, 2024

Najaf, Iraq

Executive summary (2024)

In 2024, Altoosi University (formerly Altoosi University College) was officially upgraded to university status, reaffirming its commitment to sustainability in energy, water, waste, campus mobility, education, and community engagement. Key progress includes formalizing a sustainability landing page and report, documenting baseline electricity use (2023), and outlining near-term interventions centered on solar power expansion, efficient HVAC, and LED retrofits.



About Altoosi University

- **Location:** Najaf, Iraq
- **Status change:** Upgraded from *Altoosi University College* to *Altoosi University* in 2024.
- **Contacts & public profile:** University website and Facebook page actively communicate news, workshops, and sustainability items.

Governance & alignment

- **Policy basis:** The university maintains a sustainability page describing priorities in renewable energy, water conservation, green spaces/biodiversity, and community outreach—framed around SDG themes.
- **External benchmarks:** Altoosi University appears in the **UI GreenMetric 2024** listings for Iraq, indicating participation/visibility within a global campus sustainability frame.



Baseline: Energy & emissions

- **Electricity consumption (most recent reported baseline):** 2,529,000 kWh in 2023 (avg. 210,750 kWh/month).
- **Planned reductions:** The university’s sustainability briefs outline solar expansion, efficient HVAC upgrades, and LED lighting to cut grid demand 10–25% over the next few years.

2024 actions & status

- **Renewables:** The sustainability page notes adoption/exploration of solar panels to meet campus energy needs; narrative updates through late-2024 highlight “clean energy initiatives” and tree planting. (Exact 2024 kWh from solar not yet published on the site.)

Near-term (2025) targets you can publish now

- Install/expand rooftop PV to cover **≥10–15%** of annual electricity by end-2025 (phased), prioritizing buildings with best solar insolation.

- Complete LED relamping in classrooms, labs, corridors (target **>90%** LED by Q4-2025).
- Commission high-efficiency HVAC in priority blocks (target **≥10%** HVAC energy reduction vs. 2023 baseline).

(Targets above align with the university's stated directions and typical savings ranges for similar upgrades. Update with site-metered data once available.)



Water stewardship

- **2024 focus:** Rainwater harvesting exploration and greywater reuse for non-potable applications are explicitly described in the university's sustainability content, reflecting Najaf's arid context.
- **Next steps:** Pilot greywater reuse at ablution/restroom blocks; install submeters in high-use buildings; publish monthly water dashboards.

Waste & campus environment

- **Green spaces & biodiversity:** Ongoing tree-planting/landscaping initiatives support shading and heat-island reduction.
- **Waste:** Formalize segregation (paper/plastic/metal/organics); add signage and quarterly audits; pilot e-waste collection drives with certified vendors.



Mobility & access

- **Low-emission campus mobility:** Continue improving internal circulation for pedestrians and consider electric carts/shuttles for accessibility. (The institution's public channels and sustainability narrative support a move toward cleaner internal transport solutions.)

Education, research & community

- **Curricular/Co-curricular:** Site materials emphasize sustainability themes and workshops; integrate SDG-linked modules and capstone topics within existing programs (e.g., nursing/public health, environmental management practices, community health & resilience).
- **Community engagement:** Tree-planting, awareness campaigns, and clean-energy literacy activities featured in 2024 news/posts and sustainability pages.



Recognition & rankings (context)

- **UI GreenMetric 2024:** Altoosi University is listed among Iraqi institutions participating in the 2024 table—use this to frame KPIs and future category targets (Setting & Infrastructure, Energy & Climate Change, Waste, Water, Transportation, Education & Research).

Area	KPI	2023 Baseline	2024 Status	2025 Target
Energy	Total electricity (kWh)	2,529,000	(publish when verified)	–10% vs 2023
Energy	On-site solar share	0–<5% (narrative only)	(installations in progress/plan)	≥10–15%
Energy	LED coverage	~baseline not stated	Project initiated	≥90% campus
HVAC	High-efficiency units	Baseline stock	Replacement plan set	≥10% HVAC kWh cut
Water	Greywater reuse volume	0 (pilot)	Pilot design	Commission 1–2 blocks
Water	Rain/harvest	N/A	Design study	1 pilot system

	storage			
Waste	Segregation coverage	Partial	Expand bins/signage	≥80% buildings
Community	Trees planted	Ongoing	Continue	+200 trees/yr
Curriculum	SDG-linked courses/projects	Emerging	Map & publish list	Public catalog online

Data & methods

- **Primary sources:** University website sections *About*, *Sustainability*, and *Sustainability Report*; late-2024 sustainability articles.
- **Name change validation:** “University College of Altoosi was officially transformed into the University of Altoosi in 2024.”
- **Comparative/visibility sources:** UI GreenMetric 2024 list.

2025 roadmap

1. **Measurement & disclosure:** Publish monthly electricity & water dashboards; release 2024 year-end energy and water totals by Q1-2025.
2. **Capex plan:** Phase PV across rooftops with payback modeling; prioritize buildings with highest load factors.
3. **Policy:** Approve Green Procurement & Waste Policy; e-waste MOU with certified recycler.
4. **Academic:** Map and publish SDG-related courses/programs; launch sustainability student ambassadors.
5. **Ranking track:** Target UI GreenMetric category improvements with documented evidence (photos, meters, policies).