Times Higher Education Sustainability Impact Ratings

University: Al-Mustaqbal University

Country: Iraq

SDG 7.2: University measures towards affordable and clean energy

7.2.1 Does your university as a body have a policy in place for ensuring all renovations / new builds are following energy efficiency standards? (Relevant standards to be indicated)

Response: **Yes.**

Al-Mustaqbal University has established a complete policy to confirm that all renovations and new builds follow to energy efficiency standards, aligning with Sustainable Development Goal (SDG 7), which aims to ensure access to reliable, affordable, sustainable, and modern energy for all.

The key components of Al-Mustaqbal University policy include:

1- Formal Energy Efficiency Policy

Al-Mustaqbal University has developed a formal energy efficiency policy that mandates compliance with recognized energy standards for all construction and renovation projects. This policy is part of our broader sustainability strategy, which emphasizes our commitment to reducing energy consumption and promoting sustainable practices.

2- **Relevant Standards and Certifications**

2.1 LEED Certification (Leadership in Energy and Environmental Design)

Al-Mustaqbal University strives for LEED certification for all new buildings and significant renovations. LEED sets high standards for energy efficiency, water efficiency, sustainable site development, material selection, and indoor environmental quality. Al-Mustaqbal University ensures that their projects contribute positively to environmental sustainability.

2.2 ASHRAE Standards

Al-Mustaqbal projects adhere to ASHRAE standards, which provide guidelines for the design and operation of energy-efficient HVAC systems. These standards help us minimize energy consumption while ensuring comfort and air quality within our buildings. For example,

the campus of Al-Mustaqbal University utilizes solar energy to power applications like split air conditioners and solar absorption refrigerators in order to reduce the energy consumption.





2.3 Local and State Energy Codes

Al-Mustaqbal University ensures that all projects comply with local and state energy codes, which may impose additional requirements for energy efficiency, renewable energy integration, and sustainable practices.

3. Sustainable Design Principles

In all planning phases, Al-Mustaqbal University incorporates sustainable design principles that prioritize energy efficiency. This includes:

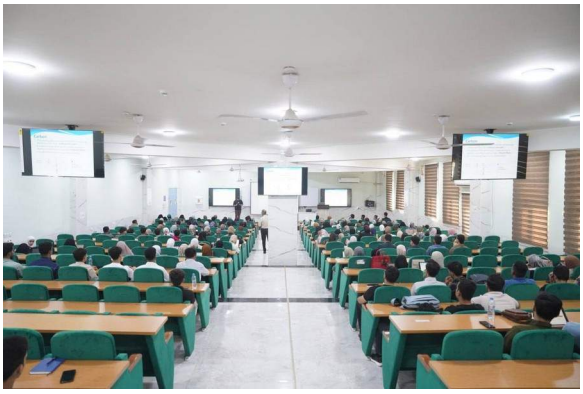
3.1 Maximizing Natural Light: Designing buildings to utilize natural light effectively, reducing reliance on artificial lighting.




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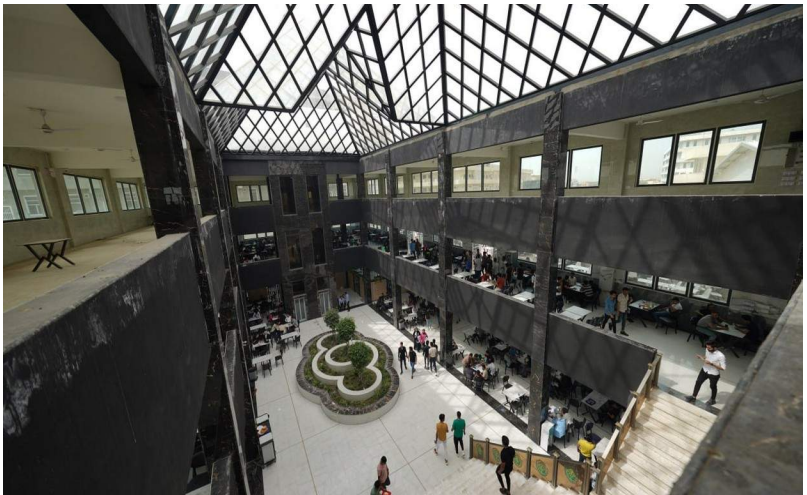

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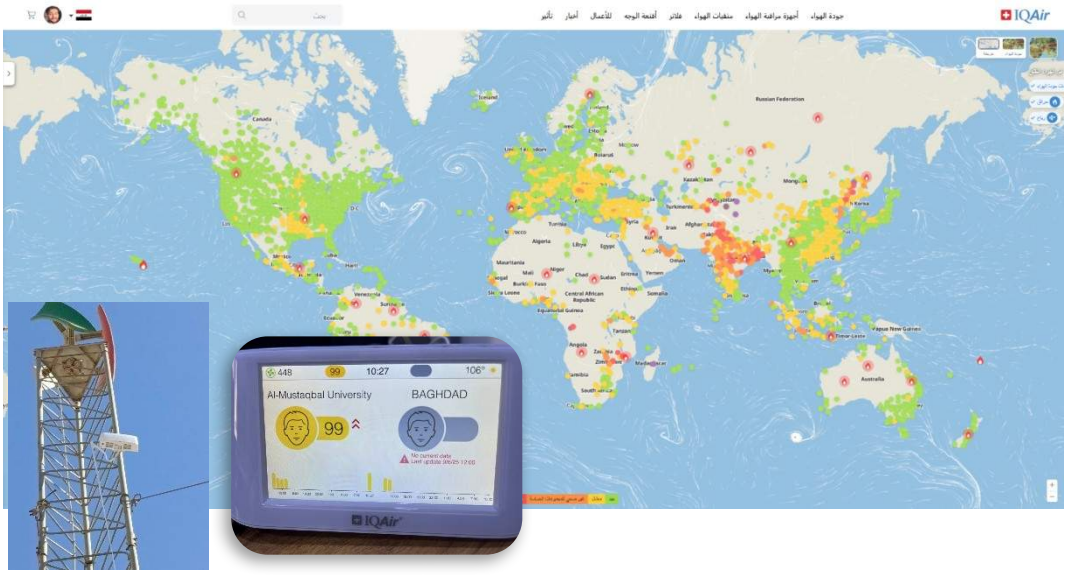


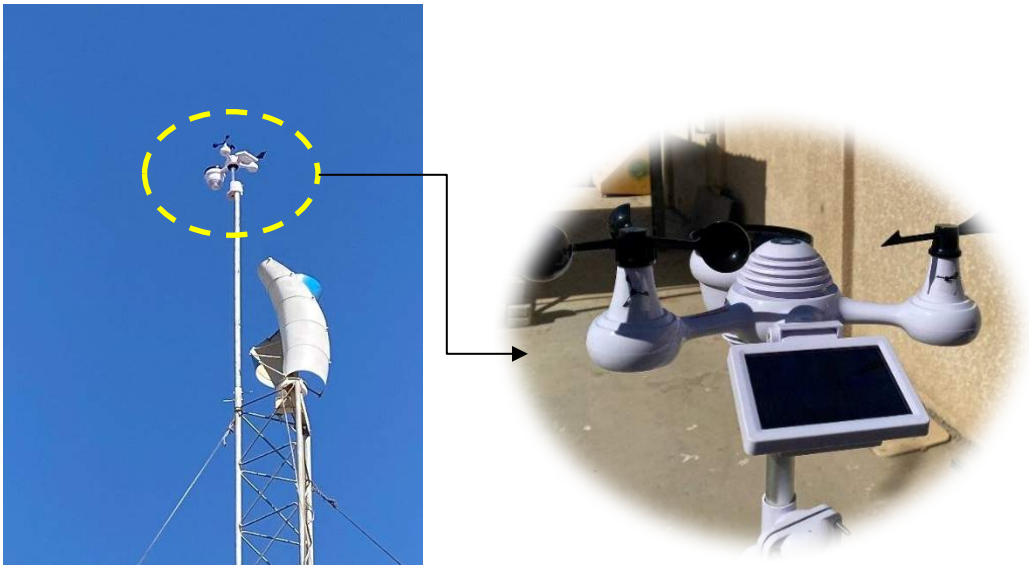
3.2 Building Orientation: Strategically orienting buildings to take advantage of solar energy and natural ventilation, thus reducing heating and cooling demands.



4. Monitoring an

Al-Mustaqbal University has established systems for monitoring energy use across our facilities. Regular energy audits are conducted to assess performance against established benchmarks and identify areas for improvement. This data-driven approach allows us to make informed decisions about energy management and efficiency upgrades.






OUT
29.7 °C
14 %
WIND
DIRECTION
287
IN
25.7 °C
26 %
FORECAST
1:06 PM
RAIN
RATE
158.6 mm/hr
LIGHT
Klux
63.5
UVI
3
MODERATE
MOON
1:06
BARO
ABSOLUTE
1013 hPa
SET
TEMP/°F
RAIN
WIND/+
BARO/-/=
ALERT
MAX/MIN
CHANNEL
VEVOR
TOUGH TOOLS, HALF PRICE





5. Integration of Renewable Energy

5.1 In alignment with our energy efficiency goals, our university is committed to integrating renewable energy solutions into our infrastructure. This includes:

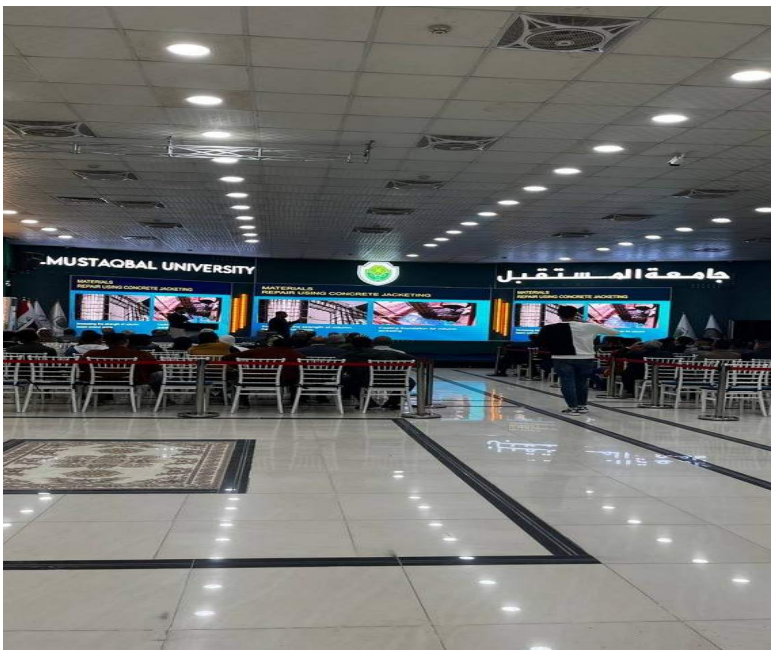
5.2 Solar Energy: Installation of solar panels on building rooftops and parking structures to harness solar power, reduce reliance on non-renewable energy sources, and lower overall energy costs.







5.3 Energy-Efficient Lighting: Implementing LED lighting solutions across campus, which consume less energy and have a longer lifespan than traditional lighting.





6. Education, Training, and Community Engagement

Al-Mustaqbal University prioritizes education and training related to energy efficiency for our staff, faculty, and students. Workshops and seminars are held to raise awareness about sustainable practices and the importance of energy conservation. Additionally, we engage the campus community in sustainability initiatives, encouraging participation in energy-saving campaigns and programs.





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In addition, AL-Mustaqbal University put different polices such as energy consumption reduction program policy, renewable energy usage policy, greenhouse gas reduction program policy. Additionally, wide numbers of plan had been taken into consideration to be helpful in energy consumption reduction such as increasing the numbers of energy efficient appliance, cleaner fossil fuel, sustainable green buildings, investment in renewable energy. In response to conserve energy and climate change, Al-Mustaqbal University set up sustainable development unit to follow the guidelines for energy conservation in designated building, promote the energy conservation and energy substitution usage within university. The university commitment for the future can be described below:

1. This policy governs all of the construction of the buildings activates of Al-Mustaqbal University.
2. 50 million kg carbon dioxide of carbon emission reduction per year by 2030.
3. 90% renewable energy usage within Al-Mustaqbal University by 2030.
4. Promoting and creation awareness of energy conservation and management among students and staff with continual improvement for climate change and sustainability.
5. The new buildings is planned, constructed and implemented considering the applicable building code regulations, fire code regulations, ADA guidelines, OSU best practices, and zoning code regulations.
6. All campus space is managed, renovated in accordance with the policies and procedures of the appropriate committees in the campus such as the Campus Planning Committee, University Space Committee, University Safety Committee, etc.
7. Appropriate experts and professionals are licensed to design the sustainable buildings.
8. Avoiding establishing cooperation with carbon intensive bodies dependent on fossil fuel.

Prof. Dr. Hasan Sh. Majdi

President of Al-Mustaqbal University

2025-2026