



Green Energy and Energy Management Policy

Background

The energy crisis and global warming concerns are gaining much attention from governments to counteract their impacts on environment. This can be accomplished via distributed generation and efficient utilization of available renewable energy sources in cooperation with traditional ones. Since Arab Academy for Science and technology is considered as a center of excellence not only in Egypt but in the ARAB League, it is quietly concerned with energy research in the fields of optimal energy management, energy saving and diversion towards clean green energy not only within AASTMT campuses but also sustaining services to the surrounding community and environment. This comes in accordance with the AAST Strategic plan 2021-2026 in particular Goal (5): “Serve the Community Efficiently and Resourcefully” and its associated objectives.

Consequently, AAST Energy Research Unit and Energy Management Committee have integrated these energy objectives with AASTMT environmental policy, Sustainable Investment Policy, and Consumption Recycling policy into the updated version of Green Energy and Energy Management policy.

The first version of the energy policy for AAST has been approved on the 15th of December 2020.

Hereby, this is the policy updated version approved on the 15th of December, 2022.

Policy

Energy-efficient facilities

- Ensuring all renovations or new buildings follow energy efficiency standards in lighting, HVAC ...etc
- Analysis of energy demand, updating development priorities and upgrading the existing facilities.
- Ensuring the implementation of smart building technology by employing clean energy, energy efficiency strategies and Building Management System (BMS) in new buildings design.
- Utilizing the unused space to build clean energy resources such as PV plants and Solar heaters.

Regular Monitoring

- Performing regular (online) monitoring and analysis of energy consumption.
- Regular monitoring to the air quality and environment condition.

Emissions Reduction

- Carbon Footprint Estimation Towards developing a “Model for Promoting Sustainable Development Goals (Green Campus)”
- Climate action plan is being implemented towards “50% Reduction in Emissions by 2040” and “Net Zero Carbon by 2050”.

الإسكندرية - المقر الرئيسي - Alexandria - Main Campus

P.O. Box 1029 - Miami - Miami Tel: (+203) 5565429/5461163 - Fax: (+203) 5487786/5506042 - Abukir Tel: (+203) 5622366/5622388 - Fax: (+203) 5610950

سوريا - فرع اللاذقية
Syria - Latakia branch

P.O.Box 869 Latakia
Tel: (+96341) 458595
Fax: (+96341) 453977

فروع جنوب السواحي
Ganoub Al Wadi branch

Aswan-Sadat Road- P.O.Box 11Aswan
Tel: (+2097) 2332843/ 2332845
Fax: (+2097) 2332842

القاهرة - فرع الدقي
Cairo - Dokky branch

23 Doctor Sobky st.
Tel: (+202) 37481593/33365491
Fax: (+202) 33365492

القاهرة - فرع القرية الذكية
Cairo - Smart Village branch

B2401 - Smart Village
Tel: (+202) 35370882/35370883
Fax: (+202) 35370881

القاهرة - فرع مصر الجديدة
Cairo - Misr El Gedida branch

P.O. Box 2033 - Elhorria
El Moskir Ismail st.-behind Sheraton Bldg
Tel: (+202) 22685615/ 22685616
Fax: (+202) 22685892

Community Engagement and Governments Support

- Sustain Serving the Surrounding Community and the Environment towards clean energy.
- Inform and support governments in clean energy and energy-efficient technology policy development
- Preparing a specialized practical training in the field of energy management and renewable energy for serving the community needs.
- Carrying out consultant services in the field of energy management and environment.

Education


- Upgrading the existing education programs and develop a new program (B.Sc. and Masters) relegated to energy and environment.
- Linking graduation project in AAST with energy research and community needs.

Investments

- Divesting investments from carbon-intensive energy industries notably coal and oil to renewable energy initiatives including wind, solar, hydro, bioenergy, etc. projects.
- Sustainability-focused investment approach towards projects that promote environmental conservation, and clean energy technologies.
- Investments in start-ups and businesses that not only demonstrate a potential for economic growth, but also operate responsibly with a strong focus on sustainability and environmental stewardship.

Research

- Expand research on green building and infrastructure projects that meet internationally recognized sustainability standards.
- Focus on carbon emission reduction projects and energy recovery projects via energy recuperation.

Document control	
Policy title:	Green Energy and Energy Management Policy
Date created:	2020
Approving body:	SDG workforce committee
Version:	2
Last review date	2023
Next review date:	2025
Policy owner:	Energy Research Unit Energy Management Committee
Lead contact:	Prof. Mostafa Abdelgeleil Head of Energy Research Unit Head of Energy Management Committee
Approval Signature	

Alexandria - Main Campus - الإسكندرية - المقر الرئيسي

P.O. Box 1029 - Miami - Miami Tel: (+ 203) 5565429/5461163 - Fax: (+ 203) 5487786/5506042 - Abukir Tel: (- 203) 5622366/5622388 - Fax: (+ 203) 5610950

سوريا - فرع اللاذقية
Syria - Latakia branch

P.O.Box 869 Latakia
Tel: (+ 96341) 458595
Fax: (+96341) 453977

فروع جنوب السودان
Ganoub Al Wadi branch

Aswan-Sadat Road- P.O.Box 11Aswan
Tel: (+ 2097) 2332843/ 2332845
Fax: (+ 2097) 2332842

القاهرة - فرع الدقي
Cairo - Dokky branch

23 Doctor Sobky st.
Tel: (+ 202) 37481593/33365491
Fax: (+ 202) 33365492

القاهرة - فرع القرية الذكية
Cairo - Smart Village branch

B2401 - Smart Village
Tel: (+ 202) 35370882/35370883
Fax: (+ 202) 35370881

القاهرة - فرع مصر الجديدة
Cairo - Misr El Gedida branch

P.O. Box 2033 - Elhorria
El Mostafir Ismail st.-behind Sheraton Bldg
Tel: (+ 202) 22685615/ 22685616
Fax: (+ 202) 22685892