



MUST Climate Action Plan (MUST CAP)

0- Introduction

MUST University is steadfast in its commitment to combat climate change and lead by example in sustainability practices. This unique and powerful Climate Action Plan outlines our specific goals, tailored strategies, and dedicated approach to address the region's challenges and make a lasting impact on climate action as an integrated approach for leading the university in the direction of ensuring that all its activities are aligned with the country vision for 2030 ecologically, economically, and socially along with SDGs goals.

MUST has modified the Sustainability office to be “Sustainability, Energy and Climate Center” to be adapted to MUST Strategy for Sustainability and Climate Action Plan and SDGs.

1- Sustainability Vision

Our sustainability vision is to be recognized as a global leader in climate action and sustainability. We aspire to be ranked among the top 100 universities worldwide for our commitment to the Sustainable Development Goals (SDGs), and to be the foremost African and Egyptian university in advancing sustainability initiatives.

2- Sustainability Goals

Our climate action goals are clear and ambitious:

1. **Green House Gas Protocol (GHG):** This Action Plan aims to encourage a reduction in the university greenhouse gas (GHG) emissions and air pollution, and to prepare its offspring and the facility infrastructure for the impacts of climate change through adaptation and mitigation.
2. **Net-Zero Carbon Campus:** Reduce our carbon emissions by 15% by 2030 and achieve a carbon-neutral campus by 2050. We will invest in renewable energy sources, such as solar and wind power, and improve energy efficiency throughout our campus.
3. **Climate Resilience:** Adapt to the impacts of climate change, such as increased heat waves, droughts, and floods, by implementing sustainable water management practices and innovative technologies.
4. **Education and Empowerment:** Educate our community about climate change and the importance of acting. By integrating climate education across disciplines, we empower students, staff, and the community to become climate champions. Improvement of the research and education programs to integrate sustainability and to facilitate sustainability education on campus.

3- Challenges



MUST University face distinct sustainability challenges including:

5. **Climate Impacts:** The region is already experiencing impacts of climate change, such as heatwaves and water scarcity, which pose risks to our campus and community.
6. **Finance:** this challenge may hinder our ability to invest in large-scale sustainability initiatives, requiring innovative solutions to overcome financial barriers.
7. **Behavioral Change:** Encouraging behavior change and widespread adoption of sustainable practices among our campus community is essential for achieving our climate action goals.

4- Operational Focus

To achieve our climate action goals, we will focus on these key areas:

- **Renewable Energy Leadership:** We will harness the power of the sun by installing solar panels on all university buildings, reducing our reliance on fossil fuels and generating clean, renewable energy.
- **Water Stewardship:** Implementing a water conservation program will reduce our water usage by 5% by 2030, safeguarding this vital resource for future generations.
- **Sustainable Purchasing and Investment:** We are maintaining and developing the sustainable purchasing and investment policies (yearly) that require all university purchases to meet specific sustainability standards, ensuring that our investments align with our climate goals.

5- Cluster Action Items

Action Item 1:	Install Solar Panels on MUST University Buildings
Goal:	Reduce our reliance on fossil fuels and generate clean, renewable energy.
Timeline:	Complete (20%) the installation of solar panels on all university buildings by 2030.
Metrics:	Track the amount of energy generated by solar panels and the amount of carbon emissions saved.
Responsible Party:	Sustainability Office – Sector of Community Service and Environment’s Development – International Ranking Office.



Action Item 2:	Implement a Water Conservation Program
Goal:	Reduce water usage by 15% by 2030 to protect our water resources.
Timeline:	Gradually implement the water conservation program by 2030.
Metrics:	Monitor the amount of water saved and its impact on the university's water bill.
Responsible Party:	Sustainability Office – Sector of Community Service and Environment’s Development - International Ranking Office.

Action Item 3:	Develop a Sustainable Purchasing and Investment Policies
Goal:	Ensure all university purchasing & Investment are align with sustainability standards.
Timeline:	Develop the policy by 2023 and implement it by 2024.
Metrics:	Track the number of sustainable purchases made and their impact on the university's environmental footprint.
Responsible Party:	Sustainability Office – Sector of Community Service and Environment’s Development - International Ranking Office.

Action Item 4:	Energy Efficiency Upgrades
Goal:	Reduce energy consumption and lower greenhouse gas emissions through targeted energy efficiency upgrades.
Timeline:	Conduct energy audit and implement energy efficiency upgrades by 2030.
Metrics:	Track the percentage reduction in energy consumption and associated carbon emissions.
Responsible Party:	Sustainability Office – Sector of Community Service and Environment’s Development.



Action Item 5:	Green Transportation
Goal:	Promote sustainable transportation options to reduce carbon emissions from commuting.
Timeline:	Establish green transportation initiatives by 2024.
Metrics:	Monitor the increase in the use of sustainable transportation methods and the reduction in single-occupancy vehicle use.
Responsible Party:	Sustainability Unit in collaboration -Transportation Administration– Sector of Community Service and Environment’s Development - International Ranking Office.

Action Item 6:	Waste Reduction and Recycling
Goal:	Minimize waste sent to landfills and increase recycling rates on campus.
Timeline:	Implement waste reduction and recycling program by 2024.
Metrics:	Measure the reduction in waste sent to landfills and track recycling rates.
Responsible Party:	Sustainability Office – Sector of Community Service and Environment’s Development.

Action Item 7:	Biodiversity and Green Spaces
Goal:	Enhance campus biodiversity and create green spaces for environmental conservation.
Timeline:	Develop a campus biodiversity plan and green space initiative by 2025.
Metrics:	Monitor the increase in native flora and fauna populations and the expansion of green spaces.
Responsible Party:	Sustainability Unit in collaboration with Campus Greening administration



Action Item 8:	Climate Resilience Infrastructure
Goal:	Strengthen campus infrastructure to withstand extreme weather events and changing climate conditions.
Timeline:	Implement climate-resilient infrastructure projects by 2030.
Metrics:	Assess the resilience of campus infrastructure and track the number of resilience measures implemented.
Responsible Party:	Sustainability Unit in collaboration with Facilities Management Department

Action Item 9:	Climate Literacy and Education
Goal:	Foster climate literacy and awareness among the university community.
Timeline:	<ul style="list-style-type: none"> - Integrate climate change and sustainability topics into the curriculum by 2024. - Improvement of the academic and research programs. - Enhancing Staff, Faculty Staff and Students capabilities in sustainability.
Metrics:	Evaluate the number of climate-related courses offered and the participation in climate education programs.
Responsible Party:	Sustainability Office – Sector of Student Affairs – Sector of Postgraduates and Research. International Ranking Office – Quality and Accreditation Center. Student’s GREENISH CLUB.

Action Item 10:	Zero Waste Events
Goal:	Minimize waste generation and promote sustainable practices during campus events.
Timeline:	Implement zero waste practices for all events starting in 2024.
Metrics:	Monitor the waste diversion rate and the reduction of single-use plastic during events.
Responsible Party:	Sustainability Office – Sector of Community Service and Environment’s Development - General Public Relation.



Action Item 11:	Renewable Energy Certificates
Goal:	Offset carbon emissions by establishing credible renewable energy sources.
Timeline:	Procure renewable energy certificates by 2027.
Metrics:	Track the amount of carbon emissions offset through renewable energy certificates.
Responsible Party:	Sustainability Office - Sector of Community Service and Environment's Development - Finance Department

Action Item 12:	Sustainable Food Policy and Initiatives
Goal:	Support sustainable and locally sourced food options on campus.
Timeline:	Collaborate with trusted Suppliers to offer sustainable food choices by 2024.
Metrics:	Assess the percentage of sustainable food options available on campus according to MUST Policy of Food.
Responsible Party:	Sustainability Office - Sector of Community Service and Environment's Development - Food Services Department in collaboration.

Action Item 13:	Carbon Offsetting
Goal:	Compensate for unavoidable emissions through credible carbon offset projects.
Timeline:	Initiate carbon offset initiatives by 2023.
Metrics:	Monitor the number of Carbon offset projects implemented and their impact on emissions.
Responsible Party:	Sustainability Office - Sector of Community Service and Environment's Development



Action Item 14:	Green Building Standards
Goal:	<ul style="list-style-type: none"> - Incorporate green building standards in all new construction and major renovations (New Campus). - Campus with LEED emission.
Timeline:	Implement green building standards for new projects starting in 2022.
Metrics:	Evaluate the number of green building certifications achieved.
Responsible Party:	Sustainability Office - Sector of Community Service and Environment's Development - Construction & Design Team

Action Item 15:	E-Waste Recycling
Goal:	Establish an e-waste recycling program for responsible electronic waste disposal.
Timeline:	Implement e-waste recycling program by 2025.
Metrics:	Measure the amount of e-waste recycled and diverted from landfill.
Responsible Party:	Sustainability Unit in collaboration with IT Services and Waste Management Team

Action Item 16	Rooting Sustainability in MUST and community.
Goal:	Establish an e-waste recycling program for responsible electronic waste disposal.
Timeline:	Implement Rooting Sustainability in MUST and community by 2024.
Metrics:	Measure Sustainability culture by Questionnaires.
Responsible Party:	Sustainability Unit in collaboration with IT Services and Waste Management Team



Action Item 17	Sustainability Governance System.
Goal:	<ul style="list-style-type: none"> - Reforming Sustainability Center to be “Sustainability, Energy and Climate Center). - Aligning MUST Strategy according to Egypt’s vision 2030. - Monitoring Carbon emissions and according to (GHG). - Evaluating sustainability practices in MUST campus.
Timeline:	2024
Metrics:	Monitor all environmental impacts and projects operations of MUST
Responsible Party:	Sustainability Unit in collaboration with IT Services and Waste Management Team

6- Stakeholder Engagement

Our climate action plan is founded on active stakeholder engagement. We involve academic staff, faculty staff, students, local communities, and external partners in decision-making processes, fostering shared ownership and collective impact.

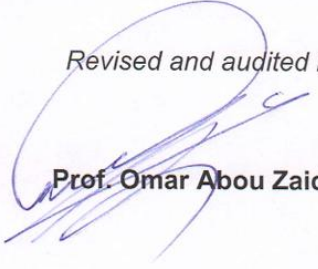
7- Conclusion

MUST University Climate Action Plan (MUST CAP) is a testament to our unwavering commitment to a sustainable future. Inspiring stakeholders and local community to perform with one action plan to enhance a sustainable world for the future generation.

- Issued in 2022.
- Revised in August 2024.

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Revised and audited by:


Prof. Omar Abou Zaid



Accreditation,
MUST President.


Prof. Hala El-Monufy