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Strategy on Reaching Net-Zero

Amity University Maharashtra has prepared a strategy to contribute in the reduction of meeting the global objective of minimizing global warming to 1.5°C by 2050. It is the strategy for achieving a balance between the greenhouse gases emitted into the atmosphere and the amount removed or offset.

In this direction the University has decided the following steps to be implemented with proper discussion with all employees and involvement of the students in the university.

- **Reduce Greenhouse Gas Emissions:** The university has decided to find the emission sources of Carbon Dioxide (CO₂), Methane (CH₄), and Nitrous Oxide (N₂O). University has vision of adopting cleaner energy sources, improving energy efficiency, transitioning to renewable energy, and implementing sustainable practices in the university campus and related activities conducted by the university outside of the campus.
- **Transition to Renewable Energy:** In continuation to the existing Investment in renewable energy sources like solar, the university is also planning to invest in the wind, hydro, and geothermal power, so that, the university can have minimal or zero greenhouse gas emissions. University has plan to completed avoid the fossil and reduce CO₂ emissions.
- **Energy Efficiency:** University has plan to do the automation in to further Improve energy efficiency in buildings, transportation, and university campus premises. This includes using energy-efficient appliances, better insulation, and sustainable practices in the University Campus buildings and hostel.
- **Promote Electric Transportation:** With reference to the existing battery vehicles in the campus, the University has plan to adoption of electric vehicles (EVs) for all operations and invest in transportation systems powered by clean energy to reduce emissions due to the transportation activities.
- **Afforestation and Reforestation:** The university is established in the green environment. University is Planting trees and restoring forests can act as natural



AMITY UNIVERSITY MAHARASHTRA

Established vide Maharashtra Act No.13 of 2014, of Government of Maharashtra, and recognized under Section 2 (f) of UGC Act 1956.

carbon sinks, absorbing CO₂ from the atmosphere. This helps in offsetting some of the remaining emissions.

- **Carbon Capture and Storage (CCS):** The university has plan to Implement CCS technologies that capture CO₂ emissions, then store them safely underground or use them for other purposes.
- **Circular Economy:** The university is planning to be more active to a circular economy, where products will be used that are more durable, reusable, and recyclable, reducing waste and associated emissions.
 - **Reducing Methane Emissions:** University has a plan to control methane leaks from natural from infrastructure.
 - **Government Policies and Regulations:** The university follows the rules and regulations for the smooth transition to a net-zero economy by implementing supportive policies, setting emissions reduction targets, and promoting sustainable practices.
 - **Public Awareness and Participation:** The university has the plan to raise awareness about the importance of net-zero and involving the public in sustainable actions can drive collective efforts towards a low-carbon future.
- The university has plan to collaborate with governments, businesses, communities, and individuals, for the sustainable solutions.



Authority Signature and Seal

Date: 27 July 2023.



Strategy on Reaching Net-Zero

Date: 01 June 2024

The strategy on reaching net zero is reviewed on 1st June 2024. There is no major change. However, the approach of educating the student in the subject of environmental studies should be included. Similarly, the automation of the electricity supply and consumption to the academic and administration block should be done. The daily practice to reduce electricity consumption should be followed in the classrooms, laboratories and the administration block.