

Summary of Climate Actions 2018-2019

Submitted to Lebanon Climate Act

Climate Topic	Target	Measures	Initiatives
Energy	Determine energy baseline and identify hotspots	Assess NDU's energy profile	- Collect and analyze the data of energy consumption and production at NDU
	Initiate preliminary energy conservation actions	Shift toward energy efficient appliances and systems	- Phase out conventional light bulbs and gradually replace them with LED - Install motion detection sensors - Upgrade heating and cooling equipment for higher energy efficiency
	Involve NDU community	Encourage energy saving behavior	- Launch a campaign to educate the community on the importance and impacts of energy-saving actions, including, but not limited to: <ul style="list-style-type: none"> o Turning off the lights when not needed o Relying on natural means to stay comfortable in cold or hot seasons (window ventilation, convenient clothes, rugs, etc.) o Turning down/off air conditioners when not necessary o Adopt sleep mode when computers are idle and turn them off overnight
		Initiate a "Green Office Program"	- Develop a list of actions to be undertaken by offices, departments and faculties to contribute to achieving NDU's sustainability goals
Transportation	Reduce indirect GHG emissions	Decrease distances travelled by students, staff and faculty members	- Review parking pricing to affect behavior - Promote carpooling, pedestrian and biking to campuses - Increase vehicle occupancy rates through encouraging rideshare programs and mechanisms between campuses by faculty members and students - Encourage class time management and telecommuting to reduce commute distances - Initiate consultations with authorities regarding the planned BRT system as an alternative transit mode to ensure its access to/from NDU. Park and ride facilities are integral to this. - Investigate implementing employee commuter programs and other programs aimed at reducing trips from campuses

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Waste Management	Reduce waste-related emissions (GHG & SLCPs)	Deviating NDU waste from landfills and open dumps	<ul style="list-style-type: none"> - Sort recyclable items and send them for recycling - Collect e-waste and hazardous waste separately; and ship them according to Basel convention on transboundary movements & disposal of hazardous waste - Compost and reuse the landscaping waste - Assess the potential reuse of on-campus treated wastewater
Water Conservation	Reduce energy needed for water pumping	Reducing water consumption	<ul style="list-style-type: none"> - Identify major contributors to high water consumption - Recommend water efficient solutions
Land use & Ecosystems	Protect the surrounding ecosystems	Adopt low-impact management methods	<ul style="list-style-type: none"> - Reduce the impact of landscaping activities by converting gradually to drip irrigation and Integrated Pest Management approach - Assessing the potential of increasing green areas in NDU main campus
Purchasing	Reduce indirect GHG emissions	Adopt sustainable procurement methods	<ul style="list-style-type: none"> - Favor products with low impact on the environment
Outreach	Involve the community outside NDU	Educate the community and providing tools for contribution	<ul style="list-style-type: none"> - Organize a yearly conference on selected topics of sustainability - Provide opportunities for students to take part of planned initiatives - Develop an awareness/communication plan
Monitoring & Review	Secure continuous improvements	Adopt a dynamic approach	<ul style="list-style-type: none"> - Define key performance indicators and monitor them - Review the outcomes and suggest improvements to the plan

Reporting entity: **NDU Environmental Sustainability Task Force**
<http://www.ndu.edu.lb/sustainability>
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