



Climate Action target dates

years	Action
2020-2025	Reaching zero emissions from generators
2025-2030	30% transformation to solar energy
2030-2039	Reaching 50% dependency of renewable energy sources.
2040-2050	100 % dependency on renewable energy.

Climate Action for Al-Qasim Green University

The rise in human activities, particularly industrial processes relying on fossil fuels, and the resultant pollutants, along with increased transportation, has led to a higher concentration of carbon dioxide gas in the atmosphere, as well as increased levels of other gases such as methane and nitrous oxide. All of these contribute to the trapping of a larger portion of the sun's rays within the atmosphere, a phenomenon known as the greenhouse effect.

Climate change is one of the biggest threats facing the planet. The impact of climate changes on agriculture and crop production appears through an increase or decrease in temperatures, as well as water scarcity or floods, which negatively affect agricultural productivity, thus, evaporation will occur and water consumption rates will increase, generating higher desertification rates. Moreover, the impact of climate change on water resources can be seen in terms of the increased need for the availability of water necessary for basic human needs, and the resulting undermining of the rights of billions of people to enjoy clean and safe drinking water and sanitation services. In the future, this will result in an environmental displacement of humanity from one region to another due to desertification, heat waves, ultraviolet radiation damage, and rising sea and ocean water levels above other areas characterized by scarcity, which negatively affect human lives, living conditions, and health.



Al-Qassim Green University envisions a future where sustainability and environmental stewardship are seamlessly integrated into our academic framework. Our goal is to create a resilient and prosperous university campus that can combat climate change and inspire our students, faculty, and society as a whole. To achieve this, we are taking comprehensive measures to improve energy efficiency, invest in renewable energy resources, and promote sustainable transportation options. This includes modernizing existing buildings, designing new buildings with green technologies, and implementing solar panels and geothermal systems to reduce our dependence on fossil fuels and minimize environmental pollution.

The university is constantly updating the curriculum to provide climate knowledge in all disciplines, and to provide students with the knowledge and skills necessary to confront environmental challenges. Through interdisciplinary research and collaboration, we develop innovative solutions to mitigate and adapt to climate change. Our university will serve as a living laboratory, where students and faculty can experiment and implement cutting-edge sustainable practices.

The university's vision is centered around community outreach. This involves partnering with local governments, businesses, and non-profit organizations, and advocating for policies that promote climate action at the regional, national, and global levels to support sustainability initiatives and share best practices. The university will work on raising awareness and promoting collective action toward a sustainable future by collaborating with research centers, and various institutions, and hosting conferences, workshops, seminars, and public events.

Our colleges have a clear vision and strong insight into addressing climate change. With various scientific specializations, they generate new ideas and effective tools to build a more sustainable future. This includes conducting numerous research projects and making sustainability a key focus. Through open discussions and the exchange of ideas, they produce applied scientific research in the fields of environment, biology, agriculture, food, and water. Additionally, they organize specialized conferences, seminars, and workshops to discuss climate change phenomena and develop solutions to address them.

It's important to educate students about climate change and its impacts and to teach



them how to address its various aspects. This can be achieved through several methods, such as creating easy-to-understand educational materials on climate change, including its causes, impacts, mitigation efforts, and the role of individuals in reducing its effects. Additionally, organizing volunteer awareness campaigns within the university to raise awareness about climate change is crucial.

Furthermore, conducting afforestation campaigns on an annual and quarterly basis can help emphasize the importance of addressing global warming. Designing posters, flyers, brochures, information boards, and films is also essential for educating individuals about climate change and its management. Finally, implementing projects for safe waste disposal and recycling will further contribute to addressing environmental issues. Al-Qasim Green University will be a beacon of sustainability, demonstrating that proactive climate action is not only possible but essential for a prosperous and just future. Together, we will pave the way towards a greener, more sustainable world.

Evidence website: <https://www.uoqasim.edu.iq/Sustainability/en/g13>