



An-Najah National University Commitment to Carbon Reduction Targets by 2035



Executive Summary

An-Najah National University stands ready to address the urgent global issue of climate change. Recognizing the pivotal role universities play in tackling this planetary challenge, we proudly announce our commitment to join the international [Race to Zero](#) campaign. In the upcoming report, we detail the actions taken by our university, demonstrating our firm resolve to make a positive impact that transcends our campus and resonates globally.

Introduction

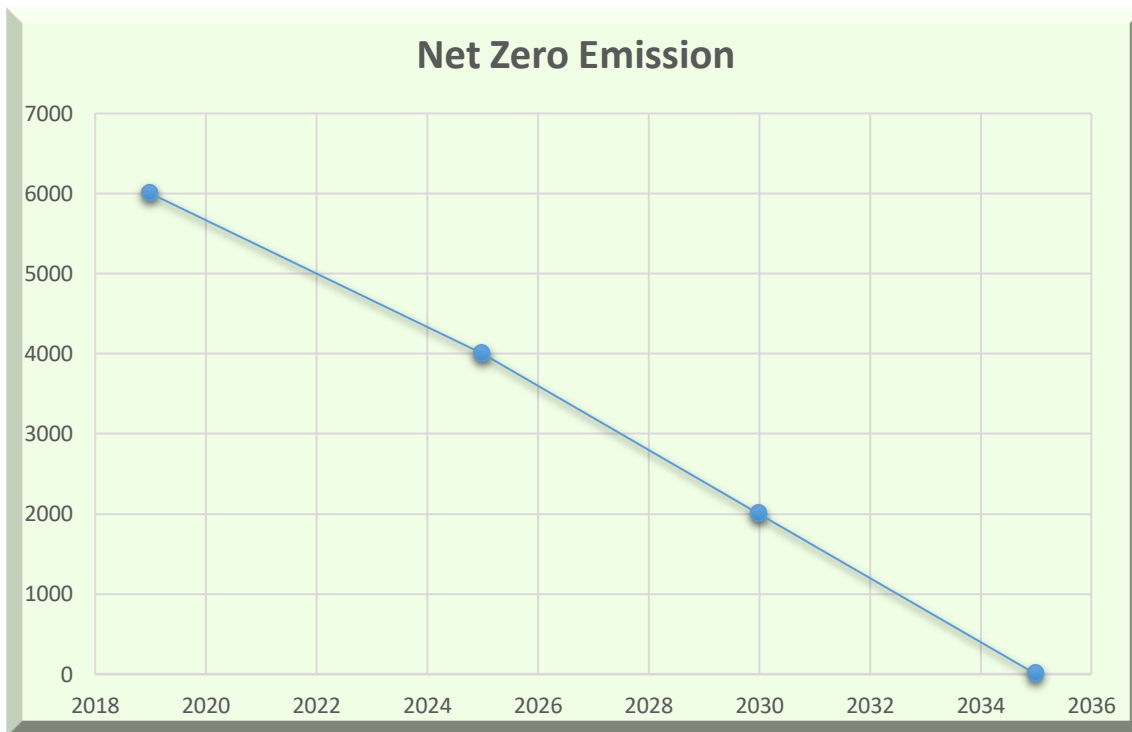
An-Najah National University, situated in Nablus, Palestine, is dedicated to sustainable development and environmental stewardship. With a firm commitment to combatting climate change, the university has set ambitious targets to reduce carbon emissions and transition towards a low-carbon future. This report provides an overview of An-Najah National University's efforts towards achieving these targets.

Current Carbon Emissions Profile

An-Najah National University conducted a thorough assessment of its carbon emissions to establish a baseline for reduction efforts. This assessment encompassed various sources of emissions, including energy consumption, transportation, waste management, and campus operations. The university's carbon footprint serves as a benchmark against which progress towards reduction targets is measured.

Targets

2035: Achieve net-zero emissions



[Our Last Conducted Inventory](#)

Our Zero Carbon Plan has a 2035 target of net zero emissions and 18 percent reduction in gross carbon emissions compared to our 2019 baseline.

Strategies and Actions by Focus Area

1. Energy Efficiency:

- Conduct energy audits to identify areas for improvement in energy efficiency.
- Implement energy-saving measures such as installing LED lighting, improving insulation, and optimizing HVAC systems.
- Encourage energy conservation practices among students, faculty, and staff through awareness campaigns and behavioral change programs.

- Establish energy management systems to monitor and track energy usage across campus buildings.

2. Renewable Energy Integration:

- Invest in on-site renewable energy generation, such as solar panels, to reduce reliance on fossil fuels.
- Explore partnerships with local renewable energy providers to source clean energy for campus operations.
- Incorporate renewable energy education and research into the curriculum to foster innovation and awareness.
- Seek funding opportunities and grants to support the development and implementation of renewable energy projects.

3. Sustainable Transportation:

- Promote alternative transportation options such as biking, and walking through infrastructure improvements and incentives.
- Electrify campus vehicle fleets and install charging stations to support electric vehicle adoption.
- Develop transportation demand management strategies to reduce single-occupancy vehicle trips and encourage public transit use.
- Integrate sustainable transportation education into student orientation programs and campus events.

4. Waste Reduction and Recycling:

- Implement waste reduction initiatives, such as composting and source reduction, to minimize the generation of waste.

- Expand recycling programs to capture a wider range of materials and increase diversion rates from landfill.
- Provide recycling bins and signage across campus to facilitate proper waste sorting and disposal.
- Collaborate with local recycling facilities and waste management companies to ensure effective waste processing and recycling.

5. Green Building Standards:

- Adopt green building standards for new construction and major renovations, focusing on energy efficiency, water conservation, and sustainable materials.
- Incorporate passive design strategies such as natural ventilation and daylighting to reduce energy demand.
- Retrofit existing buildings to improve energy performance and indoor environmental quality.
- Educate architects, engineers, and contractors on green building principles and best practices.

6. Education and Awareness:

- Integrate sustainability education into the curriculum across disciplines, emphasizing the importance of climate action and environmental stewardship.
- Organize workshops, seminars, and guest lectures on topics related to sustainability and carbon reduction.
- Engage students, faculty, and staff in campus sustainability initiatives through volunteer opportunities and student-led projects.
- Communicate progress towards net zero emissions goals through regular updates, newsletters, and social media channels.

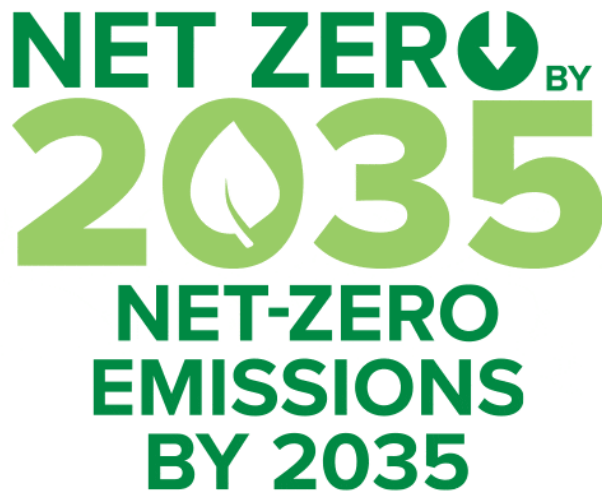
7. Monitoring and Reporting:

- Establish a carbon accounting system to track greenhouse gas emissions from campus operations and activities.
- Set targets and milestones for emissions reduction and regularly assess progress towards net zero emissions goals.
- Develop annual sustainability reports to communicate achievements, challenges, and future plans to the university community and stakeholders.
- Utilize data-driven decision-making to identify areas for improvement and optimize resource allocation.

With these efforts, An-Najah National University aims to achieve net-zero carbon emissions by 2035, contributing to a sustainable and environmentally friendly future.

Progress Towards Targets

An-Najah National University has made significant progress towards its carbon reduction targets since the implementation of these initiatives. Through the collective efforts of students, faculty, staff, and administration, the university has achieved measurable



reductions in carbon emissions across key sectors. Regular monitoring and evaluation ensure that progress remains on track, with adjustments made as needed to optimize efficiency and effectiveness.

Our goal is clear: to cut our Scope 1, 2, and 3 emissions, setting a transformative course towards a more sustainable future.

An-Najah National University is committed to significantly reducing its carbon footprint across all scopes of emissions. Our goal is ambitious yet essential, as we recognize the urgency of addressing climate change and transitioning towards a more sustainable future. By targeting

Scope 1, 2, and 3 emissions, we aim to address direct emissions from university-owned sources, indirect emissions from purchased electricity and heat, as well as other indirect emissions associated with our activities, including commuting, waste generation, and procurement.

This commitment underscores our dedication to comprehensive carbon reduction efforts that encompass all facets of university operations and activities. By cutting emissions across all scopes, we are not only mitigating our environmental impact but also demonstrating leadership in sustainability and contributing to global climate action objectives.

Through the implementation of targeted strategies and initiatives, An-Najah National University is laying the groundwork for a transformative journey towards a more sustainable future. By embracing innovation, collaboration, and engagement, we are paving the way for a greener, cleaner, and more resilient university community.

Together, we can achieve our goal of reducing Scope 1, 2, and 3 emissions and charting a course towards a more sustainable and prosperous future for generations to come.

Scope 1 emissions, originating directly from sources controlled by the University like natural gas for heating and diesel for power generation and transportation, are a focal point for reduction efforts. Our plan outlines a series of targeted strategies:

- **Renewable Energy Implementation:** We aim to integrate solar panels onto campus buildings to supply a portion of our energy needs sustainably.
- **Fleet Electrification:** Gradually transitioning our vehicle fleet to electric alternatives will significantly reduce diesel consumption.
- **Energy Efficiency Upgrades:** Optimizing our existing heating and cooling systems will enhance energy efficiency across campus.
- Our initial objective is to achieve a 60% reduction in Scope 1 emissions by 2027, setting the foundation for even more substantial cuts by 2035.

Scope 2 emissions, stemming from purchased electricity consumption, are another area of focus for reduction strategies:

- **Green Energy Procurement:** Exploring partnerships with renewable energy providers will enable us to procure a larger share of our electricity from sustainable sources.
- **On-campus Energy Conservation:** Implementing a campus-wide energy conservation plan, including the use of energy-efficient lighting and appliances, will contribute to emissions reduction.
- Our interim goal for Scope 2 emissions is 80% reduction by 2027, paving the way for near-zero emissions by 2035.

Acknowledging the complexity of reducing **Scope 3 emissions**, which include all other indirect emissions like business travel, commuting, and waste disposal, our comprehensive strategy encompasses several key actions:

- **Promoting Sustainable Commuting:** Encouraging the use of public transportation, cycling, and carpooling among our students and staff.
- **Sustainable Waste Management:** Enhancing our waste management system through recycling and composting initiatives to minimize landfill waste.
- **Online Learning and Remote Work Options:** Integrating online learning options and facilitating remote work when possible to reduce the carbon footprint of commuting and business travel.
- Our ambitious target is to minimize Scope 3 emissions by at least 60% by 2027, progressing towards substantial reductions by 2035.

These initiatives are not just aspirations; they are integral to our current strategic objectives and actions. Since 2019, we have been diligently tracking our GHG emissions, observing the impact of various initiatives on our targets. Even amidst the challenges of the COVID-19 pandemic, which temporarily lowered emissions due to remote learning and work, we leveraged it as an opportunity to adopt more sustainable practices.

Our carbon reduction commitment goes beyond addressing climate change; it aims to position An-Najah National University as a pioneer of sustainability in higher education, ultimately enhancing the well-being of our community.

Supported by robust data monitoring and transparency, we will annually assess and publish our GHG emissions, ensuring accountability and making necessary adjustments to stay on course.

Our 2035 carbon reduction target signifies An-Najah National University 's steadfast dedication to environmental sustainability. As we navigate this journey, we invite our community to join us in our endeavors and contribute to a more sustainable and resilient future.

Future Outlook and Commitment

Looking ahead, An-Najah National University remains steadfast in its commitment to carbon reduction targets by 2035. The university will continue to prioritize sustainability in its operations, research, and outreach activities, seeking innovative solutions to further mitigate its environmental impact. Through collaboration with stakeholders and engagement with the wider community, An-Najah National University strives to lead by example in addressing climate change and building a more sustainable future.

Conclusion

In conclusion, An-Najah National University is dedicated to reducing its carbon footprint and contributing to global efforts to combat climate change. By implementing comprehensive strategies and initiatives, the university has made significant progress towards achieving carbon reduction targets. With continued commitment and action, An-Najah National University aims to fulfill its responsibility as a leader in sustainability and environmental stewardship.

Recommendations

- Continued Monitoring and Evaluation: An-Najah National University should continue to monitor and evaluate its carbon reduction efforts to ensure progress towards targets and identify areas for improvement.
- Stakeholder Engagement: The university should actively engage stakeholders, including students, faculty, staff, and the local community, to garner support for sustainability initiatives and foster a culture of environmental responsibility.
- Investment in Innovation: An-Najah National University should invest in research and innovation to develop new technologies and strategies for further reducing carbon emissions and advancing sustainability goals.
- Knowledge Sharing and Collaboration: The university should seek opportunities for collaboration and knowledge sharing with other institutions, organizations, and government agencies to leverage collective expertise and resources in addressing climate change challenges.