



13 CLIMATE ACTION





13. Climate Action

13.1. Low Carbon Energy Use

(Low Carbon Energy Measurement)

Palestine Ahliya University (PAU) is committed to increasing the use of low-carbon energy solutions to reduce carbon emissions and enhance energy efficiency. This commitment is part of the University's broader effort to support sustainable development and minimize its environmental impact. Key actions include:

- Regularly measuring and tracking low-carbon energy usage to evaluate progress and effectiveness.
- Integrating renewable energy sources, such as solar or wind power, into campus energy systems.
- Optimizing energy systems to ensure efficiency and sustainability across all facilities. These initiatives align with global sustainability goals and significantly contribute to reducing PAU's carbon footprint, fostering an environmentally responsible campus.

13.2. Climate Change Education

(Climate Change Education Campaigns, Community and Government Climate Action Planning)

PAU is dedicated to advancing climate change education by promoting awareness and providing resources that prepare students, faculty, and the community to address climate-related challenges. Key initiatives include:

- Developing and delivering targeted climate change educational campaigns for the University and the broader community.
- Partnering with government agencies and non-profit organizations to host collaborative workshops on climate action planning.
- Continuously updating educational content to reflect the latest research on climate science and adaptation strategies. These actions support climate resilience by empowering individuals to contribute to sustainable practices and community-wide climate solutions.

13.3. Carbon Neutrality Target

(Carbon Neutrality Target Implementation, Emissions Reduction and Clean Energy Initiatives Procedure)

PAU is committed to achieving carbon neutrality through a comprehensive strategy that includes reducing emissions, promoting clean energy sources, and adopting innovative practices. Key measures include:

- Establishing clear timelines and step-by-step plans to meet carbon neutrality targets.
- Forming partnerships with clean energy organizations for technical expertise and solutions to reduce emissions.
- Enhancing energy efficiency in buildings and operations through advanced technologies.
- Educating the University community through workshops and campaigns about the importance of carbon neutrality and individual contributions to this goal.



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By implementing these initiatives, PAU demonstrates leadership in environmental responsibility and its dedication to a sustainable and carbon-neutral future.

13.4. Strategic Key Performance Indicators (KPIs)

SN	KPI	2021/2022	2022/2023	2023/2024
1.	Low-Carbon Energy Use	93%	95%	98%
2.	Climate Education Programs	89%	91%	94%
3.	Climate Action Partnerships	88%	90%	93%
4.	Carbon Neutrality Target - 2027	93%	95%	98%
5.	Emission Reduction Rate	91%	93%	96%
6.	Clean Energy Initiatives	94%	96%	99%

13.5. Activities and initiatives achieved (2023/2024)

SN	Activities / Initiatives	Link
1.	Climate Action Policy	Go
2.	U-SOLVE webinar explored adequate Sustainable Development Goals for Palestine	Go

13.6. SDG Scientific Research (2023)

SN	Article Name	Link
1.	Khattab, M., Jaradat, O., Hachemi, S., Suleiman, H., Benzetta, H., & Shakarna, M. (2024). An experimental study on the use of waste marble as replacement of aggregates and cement in construction material. Innovative Infrastructure Solutions, 9(7), 269.	Click
2.	Shakarna, M., Khattab, A., Abudayyah, A., & Al-Jabareen, A. (2024). Utilization of Stone Cutting Industry Slurry in Cement Production.	Click