Did you know... 

Palestine is largely dependent on energy imports from Israel.

- Domestic power production – mostly renewable energy – fulfills less than 5% of the country’s energy demand. Currently, 70% of households use solar water heaters that reduce energy consumption. Further expansions of photovoltaic plants and roof panels can save an additional 200,000 tonnes of CO₂ emissions per year.

- There are plans for construction of gas-powered electricity stations with a 400 MW capacity, which can satisfy most of electricity demand on the West Bank.

- Gas and liquid fuels make up half of the country’s energy consumption in transport, heating, cooling and manufacturing.

- The number of vehicles in Palestine is growing by about 10,000 cars per year. Switching to hybrid electric vehicles and natural gas-powered buses and trucks may significantly improve air quality and reduce emissions. If 25% of passengers used public buses rather than cars, the savings in emissions would come to 156,936 tonnes of CO₂ per year.

- More efficient transport, improved urban planning and solutions to land fragmentation can reduce traffic jams and reduce emissions.

- Widely used and properly enforced modern and green building standards could avoid 500,000 tonnes of greenhouse gas emissions. Improvements in lighting can save another 300,000 tonnes.

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Energy and Transport

Energy production and transportation diminish air quality, and are key sources of the greenhouse gas emissions that cause global warming. Individuals and families can reduce their climate footprints and contribute to national and global commitments to fight climate change by upgrading household devices to those with better energy efficiency, switching to green energy sources, using vehicles that run on natural gas, or taking public transport, among many alternatives.

Solutions

Emissions from traffic congestion, often at check points

Promote green spaces for better air quality

Trees cut for heating

Health risks, such as asthma

We can take steps to reduce the emissions related to our buildings and mobility.

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CREDITS & SOURCES

Palestine Institute for Biodiversity & Sustainability of Bethlehem University State of Palestine

Environment Quality Authority

Online information sources

Palestine Museum of Natural History: https://www.palestinenature.org
Environme nQuality Authority of Palestine: http://environment.pna.ps
Intergovernmental Panel on Climate Change: http://www.ipcc.ch
United Nations Framework Convention on Climate Change:
https://unfccc.int/

Selected publications

National Adaptation Plan to Climate Change in Palestine (2016). Environment Quality Authority
Climate Change Adaptation Strategy and Programme of Action for the Palestinian Authority (2010). UNDP and Environment Quality Authority
Analysis of the climatic variability and its environmental impacts across Palestine (2012). The Applied Research Institute of Jerusalem (ARIJ)
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