

Electricity policy kuwait

The purpose of the Kuwait Energy Outlook 2020 (KEO-2020) Special Report is to characterize the progress made in Kuwait's energy sector; to outline the energy and economic outlook until 2035 in light of current economic and energy policies; and identify the necessity of reform necessary to move towards achieving the State's Vision 2035 ...

policy recommendations were provided to enable meeting Kuwait's energy targets for 2035. KEO-2019 and KEO-2020 relied upon the International Energy Agency's energy balances due to a scarcity of local energy statistics. In this new edition, of the Kuwait Energy Outlook (KEO-2023), KISR has partnered

Due to lax energy efficiency regulations and codes in the past, generous energy subsidies and a hot climate, electricity consumption grew, on average, by 5% per year from 2000 to 2015. Today, electricity demand for air-conditioning services in Kuwait accounts for some 70% of residential electricity demand.

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To ensure its continued prosperity in a low-carbon future, Kuwait needs to reduce its reliance on fossil fuels and foster economic diversification. In 2019, the Kuwait Energy Outlook (KEO) laid the groundwork for this transition, providing the first-ever economy-wide analysis of energy consumption and production in the country.

SEI was crucial to this effort, working with the Kuwait Institute for Scientific Research (KISR) to develop a scenario analysis in the Long-range Energy Alternatives Planning system. The result was detailed analyses of the residential, transportation, desalination and electricity generation sectors - and ideas for how Kuwait can transition to a more diversified, renewables-based energy system.

LEAP is SEI's flagship software tool for low emissions development planning. Both user-friendly and highly flexible, the system is the result of three decades of continuous improvements, based on carefully listening to the needs of developing country policymakers. It now boasts over 40 000 users worldwide, with dozens of countries using LEAP to plan their climate pledges under the Paris Agreement.

LEAP's success is largely due to its user-centred design and continuous evolution. SEI focuses on the needs of developing country planners, not just expert modellers. While the capabilities of LEAP have dramatically improved over the years, equally as important has been the continual improvements to all aspects of the tool: its algorithms, its usability and its capabilities for visualizing results in a form that is highly meaningful to planners and highly policy relevant.

In Kuwait, KISR chose LEAP for the Energy Outlook "because of its balance between simplicity and usefulness". Researchers were able to model Kuwait's entire energy system and break down emissions by the end-use sector.

"The Kuwait Energy Outlook has captured the attention of policymakers in the State of Kuwait. The first edition endorsed the formation of the newly formed Supreme Energy Committee, which will focus on developing policies to promote energy efficiency programmes and renewable energy integration, and to change consumer behaviour. LEAP and its ability to perform cost-benefit analysis is a vital tool for helping explore which energy efficiency programmes will benefit Kuwait the most."

The Kuwait Energy Outlook makes the case for a new energy strategy, highlighting how a transition to a more diversified, energy-efficient and renewables-based system can help Kuwait reduce its per capita greenhouse gas emissions, which are currently among the highest in the world.

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