

Energy Technology Perspectives 2020

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In news

Executive Director of International Energy Agency (IEA) launches of the Energy Technology Perspectives 2020

What is it?

- Energy Technology Perspectives 2020 is **a new study of IEA which focusses on the technology needs and opportunities for reaching international climate and sustainable energy goals**
- It **offers vital analysis and advice on the clean energy technologies** the world needs to meet net-zero emissions objectives.
- The report's comprehensive analysis **maps out the technologies needed to tackle emissions in all parts of the energy sector**, including areas where technological progress is still lacking such as long-distance transport and heavy industries.

What does the report say?

- It **shows the amount of emissions reductions that are required from electrification, hydrogen, bioenergy and carbon capture, utilisation and storage.**
- It also **provides an assessment of emissions from existing infrastructure and what can be done to address them.**
- This report **analyses over 800 technology options to examine what would need to happen for the world to reach net-zero emissions by 2050.**
- The report **focuses primarily on the Sustainable Development Scenario**, but it also includes a

complementary Faster Innovation Case that explores the technology implications of reaching net-zero emissions globally by 2050.

- The analysis seeks to **assess the challenges and opportunities associated with a rapid, clean energy transition.**
- The report covers all areas of the energy system, from fuel transformation and power generation to aviation and steel production.