



IEA's India Energy Outlook – exploring energy and emission pathways to 2040

Date: 10 February 2021

Time: 3:30pm-5pm

Background:

This session will present the *India Energy Outlook (IEO) 2021*, a new special report from the International Energy Agency's *World Energy Outlook* series. Last published in 2015, the *India Energy Outlook* takes stock of the progress India has made in delivering reliable, affordable and sustainable energy to a growing population, and the challenges that lie ahead. Using the latest available data on energy technologies and markets, including the recent impacts of the Covid-19 pandemic, the report explores different pathways out of the crisis and the longer-term impacts on India's energy supply, demand and investment.

The *Outlook* is based on detailed modelling of a set of scenarios for India's energy sector evolution to 2040, exploring the consequences of India's policy choices related to energy access, sustainability, security and affordability. While the report explores the overarching trajectories of energy demand and emissions, it also includes a series of in-depth 'deep dives' exploring cross-cutting issues including:

- The effects of economic growth and industrialisation on India's fuel and sector-level demand trends
- The evolution and electrification of mobility in the context of growing urbanisation
- The challenges in and prospects for expanding energy access to rural areas
- Flexibility requirements in the power sector under ambitious renewable capacity targets and a significant rise in electricity demand – especially from air conditioners
- Challenges and opportunities for clean energy finance, including investments in solar and batteries
- The sector-specific potential for natural gas in India's economy
- Prospects for developing modern bioenergy supply chains and taking advantage of India's growing volumes of organic waste
- Impacts of India's energy policy choices on energy access, air pollution and carbon emissions
- India's growing importance in global energy issues, and the implications of its development trajectory on international energy supply, trade and investment

This event will feature senior experts from across India's energy sector to discuss the key messages from *IEO 2021* and the implications for policy-makers, corporations, financial actors and the environment.