

IEA Holds Workshop on the Role of Nuclear Power in a Clean Energy System



With the aim of identifying the key issues and exploring the future of nuclear power, the International Energy Agency held a workshop on 25 February on the role of nuclear power in a clean energy system.

The event brought together representatives from IEA member countries, industry leaders and experts to examine the role of nuclear energy in mature power markets and the implications of an uncertain future for nuclear energy for energy security, the economy and the environment.

“Nuclear energy plays a major role in both energy security and sustainability in today’s energy mix,” said Dr Fatih Birol, the IEA’s Executive Director, in his opening remarks. “However without appropriate policy attention, its contribution will

shrink, creating challenges for meeting our energy policy goals in the future.”

The workshop featured Jean Bernard Lévy, the Chairman and Chief Executive Officer of Électricité de France, Michał Kurtyka, Poland’s Deputy Minister of Environment and President of COP24, and John Parsons from the Sloan School of Management at MIT.

Other speakers included Minister of State Peter Kaderják from Hungary, Deputy Commissioner Shin Hosaka from Japan, Deputy Minister Rene Nédela from the Czech Republic and Assistant Secretary Ted Garrish from the United States Department of Energy.

The workshop focused on four themes: the outlook for nuclear power in advanced economies; the economic position of nuclear power in mature power markets; the role of nuclear power in power systems requiring more flexible resources; and the investment challenges for new nuclear power, including Small Modular Reactors.

With limited investment in new plants, the contribution of nuclear to the power mix in mature markets is set to decline significantly under current policy frameworks. In the IEA’s New Policies Scenario, nuclear power production grows as two countries, China and India, are responsible for over 90 percent of net growth to 2040. By contrast, outside of Japan, nuclear power generation in developed economies is set to decline by 20 percent by 2040. This decrease will be far greater if expected investments in plant life extension or new facilities do not take place.

The IEA is preparing a special report, “Nuclear Power in a Clean Energy System” which will examine these issues and develop policy recommendations. The report will be launched at the 10th Clean Energy Ministerial meeting, held in Vancouver, in May.

Source: **International Energy Agency**

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