



电力规划设计总院
China Electric Power Planning & Engineering Institute



Danish Energy
Agency



DENMARK IN CHINA
Ministry of Foreign Affairs of Denmark

China's Electric Power Sector Transformation

Webinar

30 September 2020 15:00 – 17:30 Beijing time / 09:00 – 11:30 CET

Working language: Chinese and English, simultaneous interpretation

International
Energy Agency

iea

Context

This webinar is jointly organized by the International Energy Agency (IEA), China Electric Power Planning & Engineering Institute (EPPEI), the Royal Danish Embassy in Beijing, Danish Energy Agency (DEA) with support from China National Energy Administration (NEA), the French Development Agency (AFD) and the European Commission.

The main objective of this webinar is to provide insights into the China's electric power sector transition both in the near future (14th Five-year) and in the medium & long run (2035/2050), with input from international and Chinese experts on deliberately selected topics covering:

- Analysis of China's potential flexible resources from physical aspect (supply, grid, & demand sides) and mechanism facet (e.g. market mechanism) to facilitate transition;
- Highlight the critical role of supporting policy and mechanism bolstering the transition, and provide tangible policy suggestions; and
- Outlook on China's renewable energy & other clean energy development and power system upgrading, framing roadmap for electric power sector transformation.

Additionally, as a lead meeting on China's electric power transformation, this webinar will preliminarily touch topics like cutting-edge technologies that have received tremendous interest inside power sector of China, e.g. green hydrogen, battery storage, digitalization & cyber security, which will be the focus of and exhaustively discussed in the following-up webinar to be hosted later this year.

The outcome of the webinar could affect:

- Policy-maker: support policy making process in China (partly as input to China's coming 14th Five-Year Plan)
- Enterprise: help improve strategic planning and operational optimization of corporations
- Research Institute: promote communication & exchange on research methodology and achievement

so as to reach more consensus on and expedite the progress of China's electric power sector transformation.

15:00 /09:00 CET	<p>Opening remarks</p> <ul style="list-style-type: none"> YANG Yang, Director, General Office, Department of Electric Power, NEA Helle Meinertz, Deputy Head of Mission, the Danish Embassy AN Fengquan, Senior Advisor, IEA
15:10 /09:10 CET	<p>Sustainable Renewable Energy Development: Roadmap and Policy Implications</p> <p>China's renewable energy sector outlook and development roadmap. Policy suggestions on sustainable development of renewables</p> <ul style="list-style-type: none"> TAO Ye, Deputy Director of China Renewable Energy Centre (CNREC) <p>Power Grid Facilitating Power System Transition: Interconnections, Dispatch Optimization, and market trading</p> <p>Options for promoting electricity market trading and the role of grid infrastructure upgrading and dispatch</p> <ul style="list-style-type: none"> LI Qionghui, Director, New Energy & Statistics Department, State Grid Energy Research Institute (SGERI) <p>Moderator: Chenlu Cheng, IEA</p>
15:50 /09:50 CET	<p>The Role of Flexible Sources in China's Power System Transition</p> <p>Policy suggestion for improving flexibility based on techno-economic analysis of flexibility options for future China's power sector</p> <ul style="list-style-type: none"> Peerapat Vithayasrichareon, Renewable Integration and Secure Electricity Unit, IEA <p>Three Region Experience on Flexibility Measures for Integration of Variable Renewable Energy</p> <p>Actual practice and experience in tailoring flexible measures according to local conditions, including policy implications</p> <ul style="list-style-type: none"> Pablo Hevia-Koch, Advisor, Danish Energy Agency (DEA) <p>Transition of China's power system to accommodate increasing share of renewable energy</p> <p>Renewable energy integration status quo and future trends in China. Key elements impeding renewable energy accommodation and flexibility solutions as counter measure</p> <ul style="list-style-type: none"> WANG Shunchao, Deputy Director of International Cooperation Division, EPPEI <p>Moderator: Anna Hedegaard, Energy counsellor, Danish Embassy in Beijing</p>
16:50 /10:50 CET	<p>Moderated panel discussion and questions</p> <ul style="list-style-type: none"> IEA, EPPEI, DEA, CNREC, SGERI <p>Moderator: Lars Bregnbæk, Senior Analyst, EA Energy Analyses</p>
17:25 /11:25 CET	<p>Wrap up and closing remarks</p> <ul style="list-style-type: none"> Aurelie Sol, Energy Project Manager, AFD Cesar Alejandro Hernandez, Head of Renewable Integration and Secure Electricity Unit, IEA
17:30 /11:30 CET	End of the webinar