



26th Session of the Committee on Sustainable Energy

Group of Experts on Cleaner Electricity Production from Fossil Fuels
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on behalf of Barry Worthington, Chair, UNECE Group of Experts on Cleaner Electricity Production from Fossil Fuels



Delivering on 2016-2017 work plan 1

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- **Assess a future role for thermal power plants**
 - A report on the role of thermal power plants in selected electricity markets presented at CEP12 in October 2016
 - Another study on PJM Interconnection is being prepared
- **Increasing flexibility in coal power generation**
 - A report on coordinated operation of coal power plants with variable renewables to be published as UNECE Energy Series

Delivering on 2016-2017 work plan 2

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- **Decreasing emissions and increasing efficiency...**
 - Two workshops on HELE (best practices for operation and maintenance of existing fossil fuel power plants) organized in 2016 and 2017, in collaboration with WCA and IEA CCC
 - A survey of High Efficiency-Low Emissions coal power generation to be presented at CEP13 in October 2017
- **Development and deployment of CCUS**
 - A report on policy parity for CCS/CCUS presented at CEP12 in October 2016

Looking ahead: work plan for 2018-2019

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- Assess a future role for thermal power plants in sustainable electricity systems (continued activity from 2016-2017 work plan)
- Increase flexibility in coal-fired electricity generation (continued activity from 2016-2017 work plan)
- Decrease emissions and increase efficiency from new and existing coal-fired power generation using best practices across the ECE region (continued activity from 2016-2017 work plan)
- Assess means for development and deployment of carbon capture, use and storage (CCUS) technology and know-how (continued activity from 2016-2017 work plan)
- Opportunities in combined heat and power (CHP), gasification and coal to develop other technologies or products (such as liquids or chemicals)
- Cross-cutting issues
 - Role of fossil fuels in supporting renewable energy deployment (with the Group of Experts on RE)
 - Role of gas and liquefied natural gas (LNG) in electricity generation (with the Group of Experts on Gas)
 - Innovation in the extraction and use of coal mine methane for electricity production and other uses (with the Group of Experts on Coal Mine Methane)

Other potential emerging issues

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- Recommendations to International Financial Institutions on financing coal and other fossil fuel-fired electricity generation
- HELE efficiency, emissions, performance standards/recommendations
- Transmission issues
- Redefining the scope of work of GoE on CEP to cover a broader range of electricity value chain?



Thank you!

Sustainable Energy Division

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