



28th Session of the Committee on Sustainable Energy

Accelerating and Deepening the Transition of Sustainable Energy Systems

25-27 September 2019, Geneva



4. Attaining Carbon Neutrality in the ECE Region

ENERGY



Opening Remarks

Raymond Pilcher

Chair, Group of Experts on Coal Mine Methane; Vice-Chair, Committee on Sustainable Energy

Agenda
Item 4

Weekly overview reminder

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	25 Sep	26 Sep	27 Sep
10.00 - 13.00	<p>Opening and administrative matters</p> <p>---</p> <p>Accelerating and deepening the Transition to Sustainable Energy Systems</p>	<p>Attaining carbon neutrality</p> <p>a) Modernization of energy infrastructure</p> <p>b) Decarbonising electricity</p> <p>c) Moderated discussion</p>	<p>Sustainable Resource Management cont.</p> <p>a) Efficiencies, cities and circular economy</p> <p>---</p> <p>3 Expert Groups</p> <p>---</p> <p>Gender and energy</p>
<i>Lunch</i>	<i>Energy Transition Toolkits</i>	<i>Energy Transition Toolkits</i>	
15.00 - 18.00	<p>Pathways to Sustainable Energy cont.</p> <p>---</p> <p>Policy dialogue with the Committee</p>	<p>Sustainable Resource Management</p> <p>a) Gas pathways to 2050 and RE</p> <p>b) Managing resources</p> <p>---</p> <p>3 Expert Groups</p>	<p>Regional outreach and collaboration</p> <p>---</p> <p>Future work of the Committee</p>



4. Attaining Carbon Neutrality in the ECE Region

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Relevant Documents

- ECE/ENERGY/2019/2 – Attaining carbon-neutrality in the ECE region by 2050 – a discussion paper about the role of clean fossil fuels in sustainable energy

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Item 4

a) Modernizing of Energy Infrastructure and “just” Transition



ENERGY

Moderator: Raymond C. Pilcher, Chair, Group of Experts on Coal Mine Methane

Jan Bondaruk, Central Mining Institute, Poland

David Jermain, Boston University, United States

Hans Rüdiger Lange, Innovationsregion Lausitz GmbH, Germany

Stefan Stückrad, The Institute for Advanced Sustainability Studies (IASS) Potsdam, Germany

Agenda
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(a)

a) Modernizing of Energy Infrastructure and “just” Transition



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Discussion themes:

- How can the energy infrastructure of Poland undergo restructuring without straining the social fabric of a society in which coal has played such an important role for so many decades?
- What have others learned from working on these issues in other regions?
- What roles can universities and UNECE expert groups have to play in this project?
- How can lessons learned from the pilot project be used to develop resilient business models that can be applied more broadly and at other locations?
- How can the pilot project be financed and what are the sources of funding for broader application?


Agenda
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(a)

Adoption of Conclusions and Recommendations

ENERGY



Document
ECE/ENERGY/123

United Nations		ECE/ENERGY/123
 Economic and Social Council		Dist.: General 3 October 2017 Original: English
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Economic Commission for Europe		
Committee on Sustainable Energy		
Twenty-sixth session Geneva, 26-28 September 2017		
Report of the Committee on Sustainable Energy on its twenty-sixth session		
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IV. Accelerating the delivery of energy for sustainable development (agenda item 3)	12-58	3
A. Regional cooperation on energy for sustainable development	14-23	3
B. International Fora on Energy for Sustainable Development and Energy Ministerial	24-33	4
C. Tracking progress on sustainable energy	34-47	6
D. Framework guidelines for energy efficiency standards in buildings	48-58	8
V. Improving the environmental footprint of energy systems (agenda item 4)	59-92	9
A. Resource classification and management	59-66	9
B. Methane management in extractive industries	67-82	10
C. The critical role of carbon capture, use and storage in achieving climate objectives	83-85	12
D. Fossil fuels in the energy system	86-92	12
VI. Future work of the Committee on Sustainable Energy (agenda item 5)	93-109	13
A. Summary of activities of the sustainable energy subprogramme to accelerate energy for sustainable development	93-98	13
B. Approval of documents	99-105	14
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Revised publication plan for 2018-2019 (ECE/ENERGY/2017/13)		16

b) Decarbonising Electricity

ENERGY



Moderator: Raymond Pilcher, Chair, Group of Experts on Coal Mine Methane; Vice-Chair, Committee on Sustainable Energy

Lesley Sloss, Principal Environmental Consultant, IEA Clean Coal Centre

Marzia Zafar, Director Innovation and Issues Monitor, World Energy Council

Francisco Laveron, Head of Energy Prospective, Energy Policies and Climate Change, Iberdrola

Peter Taylor, Professor of Sustainable Energy Systems, University of Leeds, United Kingdom

**Agenda
Item 4
(b)**

b) Decarbonising Electricity

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Discussion themes:

- Energy infrastructure – affordability enabler or decarbonisation constraint
- Coal in the energy mix: update and trends
- How can the electricity sector take the lead towards a carbon neutral future? How can the power sector be decarbonised?
- Financing coal projects – trends - the importance of financing clean coal projects
- Successful financing examples: what works and what does not and why?
- What role for the Committee and its subsidiary bodies?

Agenda
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(b)


Adoption of Conclusions and Recommendations

ENERGY



Document
ECE/ENERGY/123

United Nations ECE/ENERGY/123

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Economic Commission for Europe
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c) Fossil Fuels and Carbon Neutrality



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Moderator: Scott Foster, Director, Sustainable Energy Division

Raymond Pilcher, Chair, Group of Experts on Coal Mine Methane

Jan Bondaruk, Central Mining Institute, Poland

David Jermain, Boston University, United States

Hans Rüdiger Lange, Innovationsregion Lausitz GmbH, Germany

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Peter Taylor, Professor of Sustainable Energy Systems, University of Leeds, United Kingdom

c) Fossil Fuels and Carbon Neutrality



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Discussion themes:


- ECE/ENERGY/2019/2: Attaining carbon neutrality in the UNECE region by 2050 – a discussion paper about the role of fossil fuels in sustainable energy
- Challenges that need to be overcome to deliver the 2030 Agenda
- Towards a position paper of the UNECE on carbon-neutrality/coal/fossil fuels (and/or other energy technologies, CCS, nuclear) in the energy mix
- Recommendation and mandates for funding proposals and partners
- What role for the Committee and its subsidiary bodies? The private sector? Others?

Adoption of Conclusions and Recommendations

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Document
ECE/ENERGY/123

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