



Committee on Sustainable Energy

Resumed 25th Session:
Meeting the Challenge of Sustainable Energy

19 January 2017, Geneva, Salle XXIV



Opening of the meeting

Agenda overview

ENERGY



10.00 – 13.00: 8th International Forum on Energy for Sustainable Development and Energy Ministerial

- ECE/ENERGY/2016/9 and ECE/ENERGY/2016/9.Rev.1, consultation process, recommendations and next steps
- Future development of international fora series

13.00 – 15.00: Lunch break and Exhibition: Case studies on energy transition in UNECE countries

- Reception

15.00 – 16.00: Group of Experts on Gas

- Update on activities on gas, Gas Centre, Gas Industry Advisory Board

16.00 – 17.00: How do the Committee and its subsidiary bodies meet the energy-related SDGs?

- Enhancing efficiency and impact of results through a cross-cutting approach
- Future mandates, work plans of the Groups of Experts
- Industrial ecosystem concept
- Update on Pathways to Sustainable Energy, Global Tracking Framework

17.00 – 17.15: AOB

17.15 – 18.00: Adoption of Report

Opening of the meeting

Agenda overview

ENERGY



→ Documents and room documents

ECE/ENERGY/106 – Provisional agenda

CSE-25/2017.Res/INF.3 – Agenda of the day and session structure

Link to documents:

<http://www.unece.org/index.php?id=44373#/>



→ Short video

Mr. Yerbol Shormanov, Deputy Chairman

**Mr. Allen Chaizhununssov, Director Department Promotion
and Tourism**

Astana EXPO-2017 National Company JSC

Agenda item VI: Energy Ministerial

Consultation Process: 31 Aug 2016 – 2 Jan 2017



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→ Consultation process

ECE/ENERGY/2016/9 (original and with tracked changes)

ECE/ENERGY/2016/Rev.1.

CSE-25/2017.RES/INF.4 List of all comments received

ECE/ENERGY/2016/8 and CSE-25/2017.RES/INF.5

Agenda item VI: Energy Ministerial

Consultation Process: 31 Aug 2016 – 2 Jan 2017

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- Comments received: 21
 - Countries: 6, including 5 from UNECE member States
 - International organisations: 8
 - Expert group Chairs: 5
 - Individuals: 2
- Type of comments:
 - General comments on the Concept Note and the Ministerial Outcome Document
 - Specific comments directly made to the text in both the Concept Note and the Ministerial Statement

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Energy Ministerial

Integration of Comments

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Treatment of comments:

- Integration and acceptance of comments and text additions in the existing paragraphs
- Redrafting of text to allow integration of general comments
- Action Agenda has been modified as a menu of options, now Annex II
- Specific commitments have been moved up front
- Two concept notes included as Annex III and IV: Regional Centre for development of green technologies and investment projects; Framework Principles for Building Standards

Detailed treatment of comments can be seen in document:

CSE-25/2017.RES/INF.4 – List of comments received for ECE/ENERGY/2016/9

Energy Ministerial

Content: Key Messages

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Pledge

(...) We recognize that it is essential for our nations to secure access to affordable, reliable, sustainable, and modern energy and to reduce greenhouse gas emissions from the energy sector for the world to develop sustainably. We recognise the importance of fossil fuels in the transition to a future sustainable energy system but note that improving power plant efficiency and reducing emissions will be essential to meet environmental goals.

Energy Ministerial

Content: Key Messages

ENERGY



- *Achieving the 2030 Agenda depends on transforming the energy system. There is an imperative for profound and immediate changes in how energy is produced, traded, transformed, and consumed as the energy sector accounts for 60% of total global greenhouse gas emissions.*
- *All options for reducing net carbon emissions must be developed and pursued urgently to reduce energy's net carbon intensity. To support sustainable development, our populations need access to modern energy services that are both reliable and affordable.*

Energy Ministerial

Content: Key Messages

ENERGY



- *The rate of improvement in energy efficiency, the deployment of net low carbon energy solutions, and the provision of sustainable access to modern energy services are insufficient today.*
- *Energy's contribution to the 2030 Agenda will falter in the absence of concrete measures to improve energy productivity, optimize energy resources, and deploy both new energy technologies and sustainable energy infrastructure.*

Energy Ministerial

Content: Key Commitments

ENERGY



- 1. We will develop national sustainable energy action plans aligned with future energy needs, the 2030 Agenda for Sustainable Development, and the Paris Agreement, including notably significant improvements in energy efficiency, reductions in the net carbon intensity of the energy sector, and reductions in emissions of methane from the energy sector.*
- 2. We support the establishment of sustainable energy centres in our regions (...).*
- 3. We support the development and dissemination of internationally recognized minimum energy performance standards in all sectors.*

Energy Ministerial

Content: Key Commitments

ENERGY



6. *We will participate in the gathering and publication of appropriate data and indicators related to energy for sustainable development.*
7. *We will participate actively in international dialogue on technology, energy policy, and lessons learned to share best-practices.*
8. *We call on the community of (...) involved in energy to coordinate their support for our efforts (...) and to invite other countries to participate in the United Nations energy ministerial meetings.*

Energy Ministerial

Content: Key Messages

ENERGY



What needs to happen?

Stimulate the Transition to a Sustainable Energy System

- Reform will not happen unless energy security is assured.
- Energy productivity in most countries needs to improve more quickly.
- Access to modern energy services requires mobilizing resources.
- Renewable energy policies need a systems perspective.
- Finance will be critical.
- The future energy system will need new technology.
- Energy indicators for tomorrow.
- National and regional circumstances vary substantially.
- Collaboration is essential.

Energy Ministerial

Next steps / Process

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- 2 February 2017: UNECE Executive Committee Meeting
 - Further consideration of ECE/ENERGY/2016/9.Rev.1
- 26-27 April 2017: 67th UNECE Commission
 - Potential further endorsement of the Committee approved recommendations and outcome document
- April – June 2017:
 - Further consultation and adaptation of the Ministerial Statement
- 11 June 2017: Energy Ministerial
 - Hosted by Kazakhstan in collaboration with partners
- 11–14 June 2017: 8th International Forum on Energy for Sustainable Development
 - Hosted by the UN Regional Commissions in collaboration with partners in Astana, Kazakhstan
- 10 June – 10 September 2017:
 - EXPO 2017 “Future Energy”, Astana, Kazakhstan
- 26–28 September 2017: 26th Session of the Committee on Sustainable Energy
 - Report on progress made and present concrete action outcomes from the ministerial meeting

Energy Ministerial

Relevant related developments

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- Future Fora on Energy for Sustainable Development
 - 9th Forum in 2018: Invitation by Ukraine
 - UN Energy Ministerial in 2019
- Pathways to Sustainable Energy Project
 - Timeframe: Oct 2016 – Dec 2018
 - Outputs: modelling of scenarios, policy and technology options, early-warning system
 - Activities: modelling, expert workshops, policy dialogues
 - High-level policy dialogue planned for 2018 (location: Russian Federation)
- Global Tracking Framework for Sustainable Energy for All
 - Timeframe: Jun 2016 – June 2017
 - Outputs: 3rd GTF report including a UNECE Regional Chapter (launch in April), 1st UNECE regional report (launch in June) on sustainable energy progress in the UNECE region
 - Partners: World Bank, SE4All, IEA, 5 Regional Commissions, and others
- Other

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ECE/ENERGY/2016/9.Rev.1 Annex III

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→ International Centre for Green Technology and Investment

Mr. Rassul Rakhimov

Programme Officer, Sustainable Urbanization and Energy & Environment Portfolio

United Nations Development Programme, Kazakhstan

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Discussion

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→ Consultation with the Committee

Endorsement

Recommendations

Next steps

Conclusions and Recommendations

Agenda Item 6

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56. In its resumed session, the Committee was informed of the comments made during the public, informal and inclusive consultation process concerning document ECE/ENERGY/2016/9. 21 comments were received from other Regional Commissions, subsidiary bodies, and partners from the private sector, international organizations and academia. The results can be seen on the website. Recommendations and suggestions have been integrated into document ECE/ENERGY/2016/9.Rev.1, which was presented to the Committee for endorsement.

Conclusions and Recommendations

Agenda Item 6

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57. In the light of the discussions, the Committee endorsed ECE/ENERGY/2016/9.Rev.1 and recommended its submission to EXCOM for approval and inclusion in the forthcoming sixty-seventh session of the Economic Commission for Europe on 26-27 April 2017.

Alternative wording:

[, the Committee recommended document ECE/ENERGY/2016/9.Rev.1 for approval to EXCOM and inclusion in the forthcoming sixty-seventh session of the Economic Commission for Europe on 26-27 April 2017]

[, the Committee recommended document ECE/ENERGY/2016/9.Rev.1 be proposed as outcome document at the energy ministerial. It further requested EXCOM to consider its inclusion in the forthcoming sixty-seventh session of the Economic Commission for Europe on 26-27 April 2017.]

Conclusions and Recommendations

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58. Further changes can be made to the ministerial statement in preparation of the energy ministerial based on additional inputs from concerned countries, ministers and other Regional Commissions before adoption at the ministerial.

Lunch Break and Exhibition

Reception

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→ **Case Studies on Energy Transition in UNECE Countries**

Azerbaijan through the Lens

Germany's Energiewende

Expo 2017 "Future Energy"

Ukraine after Chernobyl

Agenda items IX to XII

Group of Experts on Gas

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→ **Presentation**

Mr. Francisco de la Flor

Chair, Group of Experts on Gas

Vice Chair of the Committee

Documents:

- ECE/ENERGY/2016/1 Draft work plan of the Group of Experts on Gas for 2014-2017
- ECE/ENERGY/GE.8/2016/2 Report of the third session of the Group of Experts on Gas

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Conclusions and Recommendations

Agenda Item 10

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81. See also paragraphs 85 and 86 in this document.

85. Requested the Group of Experts on Gas to accelerate its contribution to the work of the Committee in the area of methane management in extractive industries, in particular through the Group's work on managing methane emissions in the gas value chain.

Conclusions and Recommendations

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86. In view of the importance of methane management as a means to enhance economic growth and reduce greenhouse gas emissions, supported the proposal of the Global Methane Initiative that a Year of Methane should be organized, preferably in 2018. The Committee requested that this proposal be considered by the Economic Commission for Europe at its sixty-seventh session.

87. Requested that the Group of Experts on Gas at its fourth session (27-28 March 2017) explore the establishment of a gas industry advisory board to support attainment of the Sustainable Development Goals and the Paris Climate Agreement and submit its recommendation to the Committee at its twenty-sixth session.

How do the CSE and its subsidiary bodies meet the energy-related SDGs?

Groups of Experts

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→ Presentation (audio)

Mr. Ray Pilcher

Chair, Group of Experts on Coal Mine Methane

Vice Chair of the Committee

Documents and room documents:

- ECE/ENERGY/2017/1 Structuring the Sustainable Energy Subprogramme processes and activities to support countries in achieving the Sustainable Development Goals
- CSE-25/2017.RES/INF.6 Accelerating energy systems – working paper for industrial ecosystems concept
- CSE-25/2017.RES/INF.7 Matrix of cross-cutting activities of the groups of experts

Conclusions and Recommendations

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66. Further asked the Groups of Experts to prepare requests for mandates and work plans taking into account a more cross-cutting approach for consideration at its twenty-sixth session, as appropriate. This is to be seen in the light of enhancing the efficiency and effectiveness of work undertaken given the cross-cutting nature of the Sustainable Development Goals and the fundamental role energy is playing in all of them. The Committee supported a dynamic and flexible approach and recommended that all options be considered for such a cooperation.

Projects overseen by the Committee

Pathways to Sustainable Energy

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Pathways to Sustainable Energy Project

- Progress update:
 - Nov-Dec 2016:
 - Contracting of modelling institutions prepared
 - March 2017:
 - Kickoff workshop with modelling institutions planned
 - June 2017:
 - Workshop with energy experts planned during the 8th Forum on Energy for Sustainable Development
 - Possible linkage to the Global Tracking Framework progress report on sustainable energy in the UNECE region, to be launched in June 2017 (see next slide)
 - Sep 2017:
 - Intermediary results to be presented at the 26th CSE session (planned)
 - Under discussion: workshop with energy experts

Projects overseen by the Committee

Global Tracking Framework for SE4All

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Global Tracking Framework for SE4All

- Progress update:
 - 9 Dec 2016 – 26 January 2017
 - Consultation process with member States, energy experts from countries
 - 6 Feb 2017:
 - Submission of final version of UNECE Regional Chapter to World Bank (10 pages)
 - Jan - April 2017:
 - Development of UNECE report “Global Tracking Framework: UNECE Progress in Sustainable Energy“ (70-100 pages)
 - 11 Jun 2017:
 - Launch of UNECE report
 - 12-14 Jun 2017:
 - Workshop with partners (World Bank, IEA, Regional Commissions, ...) to discuss future process, content and responsibility for the 2019 GTF and UNECE reports

Conclusions and Recommendations

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55. Requested a regional report on the results of the Global Tracking Framework after the first year and as a consequence mandated the secretariat to proceed with the preparations for such a publication to be issued in 2017 instead of publication number 7 in document ECE/ENERGY/2015/3, providing thus a mandate for the issuance of the publication. In the context of the publication plan for 2016-2017 the Committee further recommends the issuance of the booklet series in 2017 instead of 2016 to have the biggest coverage of the subjects before the twenty-sixth session. The revised publication plan for 2016-2017 is attached in Annex 1.

Title: Global Tracking Framework: UNECE Progress in Sustainable Energy

Conclusions and Recommendations

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67. The Committee decided to revise its programme of work for 2016–2017 (ECE/ENERGY/2015/2/Rev.1) making the following changes to parliamentary documentation: increasing the set of documents for the Committee to approximately 35 documents; increasing the set of documents for the Expert Group on Resource Classification to 24 documents; decreasing the set of documents for the Group of Experts on Coal Mine Methane to 6 documents; decreasing the set of documents for the Group of Experts on Cleaner Electricity Production from Fossil Fuels to 6 documents; and decreasing the set of documents for the Group of Experts on Gas to 2 documents.

Conclusions and Recommendations

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68. Took note of the draft proposal for the programme of work for the ECE sustainable energy subprogramme for 2018–2019 (ECE/ENERGY/2016/10), including the terms of reference of the Committee on Sustainable Energy and mandates and terms of reference of its subsidiary bodies (Annex IV) and requested the secretariat to incorporate comments made, **and including about its programme of work for 2016-2017**, for consideration at the twenty-sixth session. Recommended to maintain the length of meetings at twelve sessions per biennium.

Conclusions and Recommendations

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70. Endorsed the Provisional calendar of meetings for 2017 (ECE/ENERGY/2016/11) and the draft publication plan for 2018–2019 (ECE/ENERGY/2016/12), ~~and recommended their submission to EXCOM for subsequent approval.~~

Any other business

ENERGY



→ **26th session of the Committee: 26-28 September 2017,
Geneva**

Adoption of Report

Agenda Item 11

ENERGY



→ **Adoption of meeting report**

ECE/ENERGY/107

(version for consideration at the Committee)



Thank you!

Sustainable Energy Division

UNECE

Date 19 | 01 | 2017, Geneva

