ECONOMIC COMMISSION FOR EUROPE

EXECUTIVE COMMITTEE

Eighty-seventh meeting
Geneva, 18 November 2016

Item 4 (a) of the provisional agenda

Informal document No. 2016/56

Meeting with the Chair of the Committee on Sustainable Energy

Report by the Chair
Report from the Chairperson of the Committee on Sustainable Energy

I. Achievements since the twenty-fourth session

1. The Executive Committee (EXCOM) approved the programme of work of the sustainable energy subprogramme for 2016-2017 and renewed mandates and work plans for the subsidiary bodies of the Committee on Sustainable Energy (the Committee) in its eighty-third meeting on 14 March 2016. Details can be found in documents ECE/EX/2016/L.5 and ECE/EX/2016/L.6.

2. Since its twenty-fourth session, the Committee has been investigating and assessing options for pathways to attain the energy-related Sustainable Development Goals and subsequent pledges made during the Paris climate meetings in December 2015. The current focus, in line with ECE/EX/7, is on energy efficiency, cleaner electricity production from fossil fuels, renewable energy, coal mine methane, natural gas, and classification of energy and mineral reserves and resources through the work of six subsidiary bodies. Sustainable Development Goal 7 is most relevant for the work of the sustainable energy subprogramme as it is directly related to energy access, renewable energy and energy efficiency, but the Committee’s work contributes directly or indirectly to all of the energy-related Sustainable Development Goals.

3. Document ECE/ENERGY/2016/16 – Mapping of the sustainable energy subprogramme processes and activities that support countries in achieving the Sustainable Development Goals – describes how the Committee and its six subsidiary bodies have been contributing to meeting the energy-related Sustainable Development Goals and how the activities offer support in the implementation of the 2030 Agenda on Sustainable Development (2030 Agenda).

4. Key achievements over the time period comprise: i) bridging the oil and fuel gas reserves and resources classification of the Russian Federation of 2013 and the United Nations Framework Classification for Fossil Energy and Mineral Reserves and Resources 2009 (UNFC-2009) (ECE/ENERGY/2016/3); ii) broadening the application of UNFC-2009 to encompass renewable energy (ECE/ENERGY/2016/4); iii) broadening the application of UNFC-2009 to geothermal energy resources (ECE/ENERGY/2016/5); iv) issuing the specifications for the application of UNFC-2009 to injection projects for the purpose of geological storage (ECE/ENERGY/2016/6); v) organizing the seventh International Forum on Energy for Sustainable Development in Baku, Azerbaijan on 18-21 October 2016, in partnership with the other four United Nations Regional Commissions (ECE/ENERGY/2016/8); vi) leading the organization of the eighth International Forum on Energy for Sustainable Development and Energy Ministerial in Astana, Kazakhstan on 11-14 June 2016 (ECE/ENERGY/2016/9); vii) agreeing with the Ministry of Energy of Poland on the establishment of an international centre of excellence on coal mine methane; and viii) engaging in the World Bank Group’s Global Tracking Framework in the context of the Secretary General’s Sustainable Energy for All (SE4All) initiative.

II. Main outcomes from the twenty-fifth session of the Committee

5. The Committee focussed its twenty-fifth session on the implementation of the 2030 Agenda. As an underlying element of all of the Sustainable Development Goals, sustainable energy integrates environmental, economic and social aspects to ensure a sustainable energy system in the future. The 2030 Agenda requires countries to pursue concerted and accelerated action on sustainable energy in their national programmes in order to reconcile the world’s growing need for energy services with mitigating the impacts of energy resource development and use. Important gaps to address the 2030 Agenda are immediately apparent. There is a first gap between current actions taken by governments and the commitments they have made and a second gap between their commitments and the ambition of limiting temperature rises to well below 2°C.

6. This year’s session offered an opportunity for member States and partners from academia and business to explore the challenge to reconcile the tight 2°C emissions pathway with development aspirations. Due to its diversity and technological and financial strength, the United
Nations Economic Commission for Europe (ECE) region has an important contribution to make to the current dialogues about energy for sustainable development.

7. The Committee was further briefed on the activities undertaken by the Committee and its subsidiary bodies since its twenty-fourth session and the plans for the coming year. It discussed the topics with a view of the growing complexity and uncertainty that governments are operating under and the important contributions that can be made through partnerships, cross-cutting approaches and action oriented policy dialogue. Over one hundred and thirty participants attended from member and non-member States, international and non-governmental organizations, business and academia.

8. The Committee endorsed the collaboration with the other United Nations Regional Commissions, the World Bank, the International Energy Agency, and the International Renewable Energy Agency on tracking progress towards attainment of the energy-related Sustainable Development Goals and targets and supported the organisation of an energy ministerial to be hosted by Kazakhstan at the auspices of the Eighth International Forum on Energy for Sustainable Development (the Eighth Forum) in Astana on 11 June 2017 at the opening of the EXPO 2017 “Future Energy”.


10. The Committee decided not to close its twenty-fifth session on 30 September 2016 but to adjourn the session with the objective to reconvene on 19 January 2017 to consider for endorsement the draft outcome document for the energy ministerial (ECE/ENERGY/2016/9). The Committee approved the report for the first part of its twenty-fifth session and decided to adopt the additional part of the report at the closure of the session. The conclusions and recommendations arising from the first part of the twenty-fifth session are attached in the Annex of this document.

III. Major activities planned for 2016 and beyond

11. EXCOM has already been informed of the planned activities of the Committee and its subsidiary bodies at its eighty-third meeting. Additional topics arising from the twenty-fifth session are listed below:

Eighth International Forum on Energy for Sustainable Development and Energy Ministerial

12. The International Forum on Energy for Sustainable Development, an annual event organized by all of the United Nations Regional Commissions since 2010, has made major contributions to the global dialogue on sustainable energy. On this occasion, the Committee was informed of the preparations for the seventh and eighth International Fora on Energy for Sustainable Development. The Committee welcomed and appreciated the preparatory efforts currently underway by host-countries Azerbaijan and Kazakhstan for the seventh and eighth fora, respectively.

13. The eighth Forum and the Energy Ministerial are about closing the gap between action and ambition quickly by advancing economically rational solutions that promote energy access while improving efficiency and reducing carbon emissions from the energy sector. The intent is to have ministers agree on a balanced set of options of what countries could do concretely and effectively.

14. The Committee decided to launch an informal on-line public consultation process to receive a maximum number of inputs to the document before it is presented to a ministerial audience (ECE/ENERGY/2016/9). The Committee invites EXCOM to disseminate broadly the information to potential participants.
Strengthening the capacity of ECE member States to achieve the energy-related Sustainable Development Goals (Pathways to Sustainable Energy)

15. Preparations have started to implement the extrabudgetary project approved by EXCOM on 16 September 2016 (informal document 2016/55) with the objective to increase capacities of the ECE member States to develop, implement and track national sustainable energy policies aligned with international agreements and contribute to climate change mitigation and sustainable development, see also document ECE/ENERGY/2016/7. EXCOM will be informed of developments when requested or relevant.

The Global Tracking Framework

16. The five United Nations Regional Commissions, the World Bank and the International Energy Agency (IEA) have collaborated for the third edition of the Global Tracking Framework, with the objective to assess how fast the world has progressed on achieving the Sustainable Development Goals, this time with a regional focus. Fundamentally, the report assesses whether the world is moving fast enough to achieve 2030 Agenda goals. With a publication date in April 2017, the results will be ready for consideration by the participants of the Energy Ministerial.

Exhibition on energy transition in the Hall des Pas Perdus

17. Preparations have begun for an exhibition about energy transformation and greening of the economy in member States in the Palais des Nations from 16 to 27 January 2017, under the auspices of the second part of the twenty-fifth session of the Committee. Member States are invited to participate and contribute with exhibition material.

IV. Any proposed change to the subsidiary structure of the Committee

18. The subsidiary bodies requested a review of the subsidiary structure of the Committee to better reflect the cross-sectoral nature of the challenges of the 2030 Agenda and to enhance opportunities for greater cooperation among the subsidiary bodies. The topic will be on the agenda of the twenty-sixth session of the Committee.

V. Follow-up to the 2015 session of the Economic Commission for Europe

19. Nothing specific to report. All of the activities of the Committee on Sustainable Energy and its subsidiary bodies are designed to help member States to achieve the sustainable development goal on energy and to reduce the environmental footprint of the energy sector.

VI. Intersectoral activities: new activities and/or progress in existing intersectoral activities

Energy efficiency in the built environment

20. Work has begun on a principles-based performance standard in buildings for the ECE region. The standard seeks to be outcome-based and to project a vision of holistically designed and operated ultra-high performance buildings as part of an integrated sustainable energy system. The final goal of the ECE standard is to help usher in a progressive but radical transformation of the world’s commercial and residential building stock and many of the elemental principles on which the overwhelming bulk of buildings in the developed and much of the developing world are conceived, designed, constructed, employed, maintained, renewed, and retired.
21. The Committee mandated the Joint Task Force on Energy Efficiency Standards in Buildings with the Committee on Housing and Land Management and the participation of the ECE Working Party on Regulatory Cooperation and Standardization Policies to work with the stakeholder community to develop the concept further, subject to available resources.

**Nexus between energy and environment**

22. The nexus among energy and other key development challenges (e.g. water, food, health, education, and gender) suggests that numerous opportunities can arise from wider cross-sector perspectives and more holistic decision-making. The Committee will discuss this further in its twenty-sixth session.

**VII. Technical cooperation activities**

23. Activities under the regional programme on technical cooperation (RPTC) were reported and are summarized in document ECE/ENERGY/2016/14.

**VII. Cooperation with other organizations**

24. Document ECE/ENERGY/2016/15 describes the Committee’s efforts to cooperate and coordinate with other intergovernmental and non-governmental organizations, the private sector and academia since the twenty-fourth session of the Committee.
Annex

Conclusions and Recommendations arising from the twenty-fifth session of the Committee on Sustainable Energy

I. Opening and adoption of the agenda (agenda item 1)

Documentation: ECE/ENERGY/106 – Annotated provisional agenda.

8. The Committee agreed to consider recommendations and conclusions after each agenda item, followed by the adoption of the report of the Committee at the end of the twenty-fifth session.

II. Election of officers (agenda item 2)

10. The Committee elected Mr. Ramazan Zhampiisov (Kazakhstan) and Mr. Jarad Daniels (United States) as Vice-Chairs until the end of the twenty-seventh session of the Committee. The term of office of the already-elected officials, Mr. Jürgen Keinhorst (Germany) as Chair and Mr. Nazir Ramazanov (Azerbaijan), Mr. Sergio Garribba (Italy), Mr. Talyat Aliev (Russian Federation), Mrs. Jelena Simovic (Serbia), Mr. Jean-Christophe Füeg (Switzerland), Mr. Yagshygeldi Kakaev (Turkmenistan), and Mr. Ihor Didenko (Ukraine) as Vice-Chairs was for two years from the date of their election until the end of the twenty-sixth session of the Committee on Sustainable Energy.

IV. Report on how the subsidiary bodies contribute to meeting the energy-related Sustainable Development Goals (agenda item 4)

Documentation: ECE/ENERGY/2016/16 – Mapping of the sustainable energy subprogramme processes and activities that support countries in achieving the Sustainable Development Goals

15. In light of the discussion, the Committee endorsed the collaboration with the other United Nations Regional Commissions, the World Bank, the International Energy Agency, and the International Renewable Energy Agency on tracking progress towards attainment of the energy-related Sustainable Development Goals and targets and requested the secretariat to seek funding for the activities on an ongoing basis.

17. With respect to the individual subsidiary bodies, the Committee:

(i) Expert Group on Resource Classification

18. Noted with appreciation the progress that the Expert Group on Resource Classification has made since the twenty-fourth session on delivering on its mandated activities and Work Plan for 2016–2017.

19. Noted with appreciation in particular the significant work that has been undertaken to broaden the application of UNFC-2009 to encompass renewable energy and requested the Expert Group on Resource Classification to consider changing the name of UNFC-2009 to reflect that it is for energy and mineral resources and not just for fossil energy.

(ii) **Group of Experts on Cleaner Electricity Production from Fossil Fuels**

21. Noted with appreciation the progress that the Group of Experts on Cleaner Electricity Production from Fossil Fuels has made since the twenty-fourth session on delivering on its mandated activities and Work Plan of the Group of Experts on Cleaner Electricity Production from Fossil Fuels for 2016-2017.

22. Requested the Group of Experts on Cleaner Electricity Production from Fossil Fuels to submit a request for extension of its mandate and a draft Work Plan of the Expert Group for 2018-2019 at its twenty-sixth session.

23. Recognizing the central role of electricity in the process of reforming the energy system to achieve the Sustainable Development Goals and targets and the importance of aligning producer and consumer efforts to achieve this reform, requested the secretariat to review the structure of subsidiary bodies with a view of confirming or securing that the Committee is well served with advice for its future activities, and report findings at its twenty-sixth session.

(iii) **Group of Experts on Coal Mine Methane**

24. Noted with appreciation the progress that the Group of Experts on Coal Mine Methane has made since the twenty-fourth session on delivering on its mandated activities and the Work Plan of the Group of Experts on Coal Mine Methane for 2016-2017.


26. Requested that the Group of Experts on Coal Mine Methane make a proposal to the twenty-sixth session of the Committee on Sustainable Energy on expanding the mandate of the Group of Experts to encompass work on the transition of traditional mining companies to become integrated service companies and to explore the impact this transition might have on the contributions of the energy sector on sustainable development (see also paragraph 73 in this document).

(iv) **Group of Experts on Gas**

27. Noted with appreciation the progress that the Group of Experts on Gas has made since the twenty-fourth session on delivering on its mandated activities and the Work Plan of the Group of Experts on Gas for 2016-2017.

(v) **Group of Experts on Renewable Energy**


30. Recommended to use key findings from the UNECE Renewable Energy Status Report and subsequent updates as a basis for promoting renewable energy projects, providing technical assistance and training programmes, and exploring the establishment of one or more sub-regional Centres of Excellence in collaboration with other partners in member States at their request and upon the availability of resources. These efforts will support member States to increase the uptake of renewable energy and support achieving the target of increasing substantially the share of renewable energy in the global energy mix by 2030.
31. Requested the Group of Experts on Renewable Energy to assess constraints on renewables deployment, explore opportunities for their acceleration and share information on best practices for the deployment of renewable energy within future energy systems.

(vi) **Group of Experts on Energy Efficiency**


34. Requested the Group of Experts on Energy Efficiency to explore barriers that impede energy efficiency implementation, with particular focus on the industrial, residential, and service sectors.

35. Requested the Group of Experts on Energy Efficiency to assess existing national minimum energy performance standards and their application throughout the ECE region.

36. Requested the Groups of Experts on Energy Efficiency and on Renewable Energy to deepen their collaboration on deploying renewable energy sources in conjunction with energy efficiency measures.

V. **Energy and Environment in a green economy (agenda item 5)**

38. The Committee appreciated the discussion and requested that future mandates and work plans for the subsidiary bodies give special attention to joint activities across sectors within governments and within ECE in addressing energy nexus issues, and to explore potential partnerships for enhanced capacity building and sharing of experiences and lesson learned.

VI. **International Fora on Energy for Sustainable Development and Energy Ministerial (agenda item 6)**

*Documentation:*

- ECE/ENERGY/2016/7 – Pathways to sustainable energy

42. In light of the discussion, the Committee:

43. Stressed the importance of developing concrete pathways and solutions towards sustainable energy in the ECE region at this time and continued the support of the project it mandated during the twenty-third and twenty-fourth sessions on Pathways to Sustainable Energy (ECE/ENERGY/2014/96 and ECE/ENERGY/2015/99).

44. Recommended to strengthen ECE’s and the Committee’s role as a neutral platform for policy and technology dialogues on the attainment of the Sustainable Development Goals and targets and to continue to collaborate with the other Regional Commissions for accelerated progress as it is being done through the international forum process.
45. Took note that member States support the initiative of Kazakhstan to host an energy ministerial that will be held back to back with the Eighth International Forum on Energy for Sustainable Development (the Eighth Forum) at the opening of the EXPO-2017 “Future Energy” in Astana, Kazakhstan, on 11 June 2017.

46. Agreed to extend invitations to member States of five Regional Commissions for ministerial participation at the energy ministerial.

47. Took note of the draft outcome document of the Seventh Forum (ECE/ENERGY/2016/8) and of the concept note and draft outcome document of the Eighth Forum (ECE/ENERGY/2016/9) proposing to commit to concrete actions to accelerate achievement of the energy-related Sustainable Development Goals (ECE/ENERGY/99, para. 87 to 89), with the idea that ministers would sign up to specific actions during the Eighth Forum.

48. Endorsed to conduct the country consultation process in preparation for the Eighth Forum and energy ministerial through an on-line consultation process involving the member States of all Regional Commissions to refine the outcome document of the Eighth Forum and energy ministerial (ECE/ENERGY/2016/9, Annex). Recommendations should focus on action-oriented implementation, in particular in relation to the regional application of the Global Tracking Framework as well as the sixty-seventh session of the ECE Commission in April 2017 and must involve the six subsidiary bodies, interested international organisations and stakeholders. Decided to seek comments from member States between 3 October and 31 December 2016 through aforementioned on-line consultation process.

49. Took note that the Committee on Housing and Land Management also expressed its support and interest to participate in the consultation process of document ECE/ENERGY/2016/9.

50. Decided not to close the twenty-fifth session of the Committee on Sustainable Energy on 30 September 2016 with the adoption of the report (ECE/ENERGY/107) but to adjourn the session with the objective to reconvene on 19 January 2017 to consider the draft outcome document for the ministerial meeting (ECE/ENERGY/2016/9) and to adopt the report of the twenty-fifth session.


52. Requested the secretariat to proceed with the preparations of the twenty-sixth session of the Committee on Sustainable Energy on 26-28 September 2017 in Geneva, including a draft agenda, draft report, all supporting documents for mandate and work plan approval of its six subsidiary bodies, the draft strategic framework for 2020-2021 and the draft proposal for the programme of work for the ECE sustainable energy subprogramme for 2018–2019.

53. Endorsed the collaboration with the other United Nations Regional Commissions, the World Bank, the International Energy Agency, and the International Renewable Energy Agency on the 2017 edition of the SE4All Global Tracking Framework and its follow-up activities. Mandated the Groups of Experts on Energy Efficiency and Renewable Energy to carry out work on their relevant subject areas to support the efforts of the Global Tracking
Framework, with a particular focus on indicators of progress in energy efficiency and renewable energy.

VII. Complexity and decision-making in conditions of uncertainty (agenda item 7)

*Documentation:* ECE/ENERGY/2016/7 – Pathways to sustainable energy

55. The Committee took note of the developments of the project it oversees called Pathways to Sustainable Energy and requested a report on the results for presentation at its twenty-sixth session.

VIII. Energy efficiency in the built environment (agenda item 8)


57. The Committee supported the proposal to develop a principles-based performance standard in buildings and mandated the Joint Task Force on Energy Efficiency Standards in Buildings with the Committee on Housing and Land Management to work with the stakeholder community to develop the concept further, subject to available resources. The Committee further requested a progress report at its twenty-sixth session.

C. Future work of the Committee on Sustainable Energy

IX. How can the Committee best respond to the needs of member States going forward? (agenda item 9)

*Documentation:* ECE/ENERGY/2016/10 – Draft proposal for the programme of work for the ECE sustainable energy subprogramme for 2018–2019

ECE/ENERGY/2016/11 – Provisional calendar of meetings for 2017

ECE/ENERGY/2016/12 – Draft publication plan for 2018–2019

ECE/ENERGY/2016/13 – Budget and resourcing of the ECE sustainable energy subprogramme

ECE/ENERGY/2016/14 – Report on regional advisory services in sustainable energy

ECE/ENERGY/2016/15 – Cooperation and coordination with other intergovernmental and non-governmental organizations

59. In light of the discussion, the Committee:

60. Invited the Groups of Experts to meet regularly, possibly on a virtual basis, to discuss and develop a common understanding of and approach to achieving Sustainable Development Goals. Further invited the Groups of Experts to help member States produce transparent, timely, and accurate data for assessment of energy production, transportation, transformation, consumption and energy emissions.

61. 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
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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 for consideration at the twenty-sixth session. Recommended to maintain the length of meetings at twelve sessions per biennium.

62. Further took note of the following reports: Budget and resourcing of the ECE sustainable energy sub-programme (ECE/ENERGY/2016/13), Report on regional advisory services in sustainable energy (ECE/ENERGY/2016/14) and Cooperation and coordination with other intergovernmental and non-governmental organizations (ECE/ENERGY/2016/15).

63. 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.

64. Invited governments and other organizations to provide financial and/or in-kind expert support to strengthen the implementation of its programme of work for 2016-2017.

65. Took note of the request by its Bureau to increase the participation of representatives and experts from the capitals of the ECE member States in its activities and meetings. In order to allow more targeted outreach and information flow in preparation for the second part of its twenty-fifth session and the twenty-sixth session in 2017, requested member States of the ECE and other participants of the meeting to provide expert contact points to the secretariat and requested the secretariat to implement this request.

X. Approval of documents (agenda item 10)

Documentation:

- ECE/ENERGY/2016/2 – Methane management in extractive industries - update
- ECE/ENERGY/2016/4 – Specifications for the application of UNFC-2009 to renewable energy resources
- ECE/ENERGY/2016/5 – Specifications for the application of UNFC-2009 to geothermal energy resources
- ECE/ENERGY/2016/6 – Specifications for the application of UNFC-2009 to injection projects for the purpose of geological storage
- ECE/ENERGY/GE.8/2016/2 - Report of the Third Session of the Group of Experts on Gas

67. In the light of the discussion, the Committee:

(i) Expert Group on Resource Classification

68. Endorsed the following four documents: i) Bridging Document between the Oil and Fuel Gas Reserves and Resources Classification of the Russian Federation of 2013 and the

70. Endorsed the conclusion of the Expert Group on Resource Classification at its seventh session that an update of UNFC-2009 should be prepared for release, but not before 2018. Requested that the revised version of UNFC-2009 when issued be published in all United Nations languages to help implement ECOSOC Decision 2004/233.

71. Noting that an updated version of UNFC-2009 is included in the Publications Programme for 2016–2017 (item number 68/1879), endorsed the recommendation of the Expert Group on Resource Classification that this publication be issued instead as Case Studies on UNFC-2009. Further noting that the case studies will assist with global application of UNFC-2009, recommended that the publication be issued in all United Nations languages in support of ECOSOC Decision 2004/233.

72. Endorsed the extrabudgetary project proposal prepared by the Expert Group on Resource Classification to fund needed secretariat support and other activities such as outreach and dissemination to ensure full and proper continued development and deployment of UNFC-2009 and requested the Secretariat to seek funding for the project.

(ii) Group of Experts on Coal Mine Methane

73. Took note of the report on methane management in extractive industries – update (ECE/ENERGY/2016/2) and requested that the task force on methane management in extractive industries prepare a report based on its survey of current practices and a draft best practice guidance document on monitoring, measuring, recording, and reporting methane emissions for submission to the twenty-sixth session of the Committee.

(iii) Group of Experts on Gas

74. Took note of the report of the Third Session of the Group of Experts on Gas (ECE/ENERGY/GE.8/2016/2).


76. Requested the secretariat to submit the Draft Work Plan of the Group of Experts on Gas for 2014–2017 (ECE/ENERGY/2016/1) for subsequent approval by the Executive Committee.

XI. Any other business (agenda item 11)

77. The secretariat informed of the possibility to hold an exhibition about energy transformation in member States in the Palais des Nations from 16 to 27 January 2017 and invited member States to participate and contribute.
XII. Adoption of the report and close of the meeting (agenda item 12)

*Documentation:* ECE/ENERGY/107 – Report of the Committee on Sustainable Energy on its twenty-fifth session

79. The Committee adopted the report of the first part of its twenty-fifth session as presented and subject to any necessary editing and formatting. Decided that the resumed session on 19 January 2017 will conclude the consideration of items VI. and X. and that the relevant part of the report will be approved at the closure of the session.