



# Economic and Social Council

Distr.: General  
24 July 2023

Original: English

---

## Economic Commission for Europe

### Committee on Sustainable Energy

#### Group of Experts on Cleaner Electricity Systems

##### Nineteenth session

Geneva, 3-4 October 2023

Item 1 of the provisional agenda

##### Adoption of the agenda

### Annotated provisional agenda for the nineteenth session

To be held at the Palais des Nations, Geneva, starting at 10 a.m. on Tuesday 3 October 2023.\*

#### I. Provisional agenda

1. Adoption of the agenda.
2. Opening remarks.
3. Elections of officers.
4. Activities and priorities of the Committee on Sustainable Energy and matters for consideration by the Group of Experts.
5. Plenary session.
6. Achieving net-zero emissions power systems.
7. Reliability and cyber resiliency of smart integrated energy systems.
8. Exploring pathways for a balanced integration of electric mobility into power systems.
9. Implementation of the Work Plan of the Group of Experts on Cleaner Electricity Systems for 2024-2025.
10. Any other business.
11. Dates of the next meeting
12. Adoption of conclusions and recommendations.
13. Adoption of the report and close of the meeting.

---

\* Delegates attending meetings at the Palais des Nations are requested to register online at <https://indico.un.org/event/1002210/>, if possible, at least two weeks prior to the session. Should you experience difficulties with registering online, please indicate your wish to participate by email [clean.electricity@un.org](mailto:clean.electricity@un.org). On the day of the meeting, delegates are requested to present themselves at least 45 minutes prior to the start time at the Pass and Identification Unit of the United Nations Office at Geneva Security and Safety Section, located at the Pregny Gate, 14, Avenue de la Paix, opposite the Red Cross Building (see the map [here](#)) for the issuance of an identification badge. Registration is open every workday at the Pregny Gate from 8.00 a.m. to 4.45 p.m.



## **II. Annotations to the provisional agenda**

### **1. Adoption of the agenda**

*Documentation:* ECE/ENERGY/GE.5/2023/1 – Annotated provisional agenda

In accordance with the rules of procedure of the United Nations Economic Commission for Europe (ECE), the first item on the provisional agenda is the adoption of the agenda.

The documents for the session will be published on the website as they become available. A timetable for the session will be available on the website shortly before the meeting.<sup>1</sup>

### **2. Opening remarks**

The opening remarks will be delivered by the Chair, who will present an overview of the activities of the Group of Experts in line with its Work Plan for 2022-2023 and with activities and priorities of the ECE Committee on Sustainable Energy.

### **3. Election of officers**

At its seventeenth session in 2021, the Group of Experts elected representatives of the Czech Republic, Kyrgyzstan, Tajikistan, and the United Kingdom as Vice-Chairs, to serve until the end of the nineteenth session in 2023.

At its eighteenth session in 2022, the Group of Experts elected the representative of the United States as Chair, and the representative of Kazakhstan as Vice-Chair, to serve until the end of the twentieth session in 2024.

The Bureau of the Group of Experts also comprises the representative of DigiTransfo Expertise Inc. with a mandate until the end of the nineteenth session, and representatives of Électricité de France, The International Centre for Sustainable Carbon, and World Nuclear Association with mandates until the end of the twentieth session.

The Group of Experts will be invited to elect Bureau members to serve until the end of the twenty-first session in 2025.

### **4. Activities and priorities of the Committee on Sustainable Energy and matters for consideration by the Group of Experts**

The secretariat will provide an overview of recent activities of the Committee on Sustainable Energy following its thirty-second session, 13-15 September 2023, as well as any decisions taken by the parent bodies related to the work of the Group of the Experts.

### **5. Plenary session**

*Documentation:* ECE/ENERGY/2023/11 – United Nations Economic Commission for Europe Platform on Resilient Energy Systems Work Plan

Experts will be invited to participate in a moderated discussion on energy resilience issues in the ECE region, facilitated by members of the Group of Experts.

Document “United Nations Economic Commission for Europe Platform on Resilient Energy Systems Work Plan” (ECE/ENERGY/2023/11), prepared by the Bureau of the Committee on Sustainable Energy, including the Chair of the Group of Experts, will inform the discussions under this agenda item.

---

<sup>1</sup> <https://unece.org/info/Sustainable-Energy/events/379584>

## 6. Achieving net-zero emissions power systems

*Documentation:* ECE/ENERGY/GE.5/2023/5 – Transitioning to net-zero emissions power systems – common principles for reliability of supply

Achievement of the net-zero carbon dioxide emissions globally by 2050, requires fundamental changes in how the sectors of the economy are structured and operated. Only through extraordinary and determined action, will it be possible to accelerate changes in resource management, supply chain, end use consumption, and conversion technologies.

Informed by the document “Transitioning to net-zero emissions power systems – common principles for reliability of supply” (ECE/ENERGY/GE.5/2023/5) the Group of Experts will be invited to consider findings and recommendations on common principles for ensuring reliability of power supply while transitioning to net-zero emissions systems, contained therein.

## 7. Reliability and cyber resiliency of smart integrated energy systems

*Documentation:* ECE/ENERGY/GE.6/2023/3, ECE/ENERGY/GE.5/2023/3 – Key considerations and solutions to ensure cyber resiliency in the smart integrated energy systems

ECE/ENERGY/GE.6/2023/4, ECE/ENERGY/GE.5/2023/4 – Improving efficiency and reliability of energy systems by means of big data analytics

Digitalization is recognized as a solution for designing more resilient energy systems, as it makes energy systems more connected, efficient, reliable and sustainable, and acts as an enabler of a cleaner power generation by allowing integration of intermittent renewables, baseload and dispatchable power, and distributed energy resources, as well as facilitating grid optimization, demand-side management, customers’ participation, etc. By enhancing accessibility, improving accountability, and increasing transparency across the value chain, digital innovations can significantly improve the way in which policies are developed, coordinated, and implemented.

Two documents, developed in the framework of the activities of the Task Force on Digitalization in Energy, will be presented to the Group of Experts under this agenda item. The experts will be invited to discuss key conclusions and policy recommendations arising from the conducted analysis.

## 8. Exploring pathways for a balanced integration of electric mobility into power systems

The Group of Experts argues that electric mobility (e-mobility) will have as much impact on the design and operation of the electric grid as it will have on transportation systems themselves. Electric loads will grow significantly, and therefore determination of location and mode of operation of electric vehicles’ (EV) chargers need to be integrated into grid and resource planning, and a greater emphasis must be placed on cybersecurity.

As a result, ensuring a balanced integration of electric mobility calls for collaboration and information sharing between governments, electricity and transport sectors experts, and other stakeholders active in the related areas.

The experts will be invited to share evidence, lessons learned, and practical case studies from the ECE region and beyond, and assess the impact that integration of e-mobility has on the power systems design and operations.

## **9. Implementation of the Work Plan of the Group of Experts on Cleaner Electricity Systems for 2024-2025**

*Documentation:* ECE/ENERGY/2023/9 – Work Plan of the Group of Experts on Cleaner Electricity Systems for 2024-2025

The Chair will present concrete activities that are to be delivered under the Work Plan 2024-2025, including: A. Improving electricity system resilience as an enabler for transformation of the energy system; B. Supporting the creation of favourable power market design and financing conditions for the transformation of the electricity systems; C. Assessing the contribution of digitalization to designing cleaner electricity systems; and D. Exploring the impact of E-mobility integration on electric system design and operation.

The experts will be invited to discuss concrete results that are to be achieved, and develop practical recommendations on organizing the work of the Group of Experts for the period in question.

## **10. Any other business**

The Group of Experts may discuss any other pertinent issues that arise before or during the session, and that fall within the scope of the mandate of the Group of Experts. Delegations are encouraged to notify the secretariat and the Chair in advance of any issue they may wish to raise under this agenda item.

## **11. Dates of the next meeting**

The Group of Experts will be invited to discuss the preparations for its twentieth session, which is scheduled to take place in Geneva on 16-17 September 2024.

## **12. Adoption of conclusions and recommendations**

*Documentation:* GECES-19/2023/INF.1 – Conclusions and Recommendations arising from the nineteenth session of the Group of Experts on Cleaner Electricity Systems

Draft conclusions and recommendations arising from the nineteenth session of the Group of Experts on Cleaner Electricity Systems will be circulated to participants and Geneva Permanent Representations at least ten days before the start of the session. The Group of Experts will be invited to adopt conclusions and recommendations.

## **13. Adoption of the report and close of the meeting**

*Documentation:* ECE/ENERGY/GE.5/2023/2 – Report of the Group of Experts on Cleaner Electricity Systems on its nineteenth session

The Chair of the Group of Experts, with the assistance of the secretariat, will summarize the agreed conclusions and recommendations and draft a report on the session, including conclusions and recommendations, for discussion by delegates.

The Group of Experts will be invited to adopt its report based on the prepared draft.

Following that, the Chair will close the meeting.

---