

# Key Takeaways from the Thirty-first session of the Committee on Sustainable Energy 21-23 September 2022

## ENERGY SECURITY, RESILIENCE AND NET ZERO

TANGIBLE ACTIONS TO DELIVER A SUSTAINABLE  
ENERGY FUTURE



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# Agenda

## Energy Security, Resilience and Net Zero: Tangible Actions to Deliver a Sustainable Energy Future



1. Opening and adoption of the agenda.
2. ***High-level segment: Building resilient energy systems in the United Nations Economic Commission for Europe region: achieving greater energy security, affordability, and net-zero.***
3. ***Delivering on sustainable energy: subprogramme accomplishments since the thirtieth session of the Committee on Sustainable Energy.***
4. ***Achieving high performance in buildings.***
5. Modernizing resource management.
6. Enabling a hydrogen ecosystem.
7. Addressing methane management.
8. Understanding subsidies and carbon pricing.
9. ***Technical assistance, regional outreach and collaboration activities.***
  - a) Regional advisory services and collaboration activities;
  - b) Extrabudgetary and United Nations Development Account projects.
10. ***Preparing for the 70th session of the Economic Commission for Europe.***
11. ***Looking ahead: Future work of the Committee on Sustainable Energy.***
  - (a) Review of subprogramme performance and planning;
  - (b) Approval of documents.
12. Election of officers.
13. Any other business.
14. Adoption of the report and close of the meeting.

***GEEE work was discussed during all bolded sessions***

# Key Conclusions and Recommendations



- On ***Building resilient energy systems in the UNECE region***, the Committee
  - .. *acknowledged an improvement of energy systems resiliency through implementation of energy efficiency measures first, unpinning the importance of integrating efficiency strategies to bolster the durability and flexibility of energy systems and thus improving system's ability to absorb shocks and recover, among other taking advantage of advancements in applicable digital solutions. Argued that at its core, energy efficiency is about reducing the demand for energy to perform the same task or achieve the same outcome. Thus, underscoring an expeditious beneficial impact of energy efficiency deployment on improving energy resiliency, proposed taking account of how improvements in energy efficiency across buildings, industry, transport, and other sectors can reduce the end-use energy demand as well as the need for redundancy to maintain resiliency.*
  - Noted many current Work Plans and activities of the ...Committee directly support increased resiliency of energy systems and that... additional activities may be proposed for consideration in the future Work Plans...**called upon the subsidiary bodies to formulate proposals that support efforts to building more resilient energy systems in the ECE region.**

# Key Conclusions and Recommendations *(continued)*



- Launched the **ECE Platform on Resilient Energy Systems\*** for inclusive dialogue that will prioritize, implement and promote special activities related to building energy resilience across the ECE region, potentially including but not limited to:
  - Hosting a series of dialogues on resilient energy systems
  - Supporting an expanded Pathways to Sustainable Energy initiative that focuses on building energy system resiliency in Central Asia first
  - Exploring and increasing understanding on energy-related climate financing\*
  - **Giving increased attention to energy conservation, from a system level perspective, to improve resilience through cross-sectoral action on energy efficiency**

*\* Requested the Commission take note of the Platform and give the Committee a new mandate on the financing*

# Key Conclusions and Recommendations *(continued)*



- On ***achieving high performance buildings***, the Committee:
  - Noted with appreciation the accomplishments to date
  - Requested the secretariat continue its efforts to develop the network of International Centres of Excellence on High Performance Buildings to support and advance the principles of the Framework Guidelines for Energy Efficiency Standards in Buildings (ECE/ENERGY/GE.6/2020/4)
  - **Requested an update on progress at the thirty second session.**

# Key Conclusions and Recommendations *(continued)*



- On ***preparing for the 70<sup>th</sup> session of the Commission***, with the theme *Digital and green transformation for sustainable development in the UNECE region*, the Committee
  - Noted the key areas where it has been actively supporting the theme, including the:
    - *Task Force on Digitalization in Energy*
    - *High performance buildings initiative*
    - *Low- and zero-carbon technology, including abatement technology, interplay for carbon neutral systems with a focus on demand-side fuel-switching in critical sectors, such as buildings, transport and energy intensive industries to facilitate the transition to a net zero economy and resilient energy systems.*
  
- On ***Looking Ahead, Future Work***, the Committee
  - **Approved the extension of the mandates of the Task Force on Industrial Energy Efficiency and the Task Force on Digitalization in Energy to 2023-2024**

**Thank you!**

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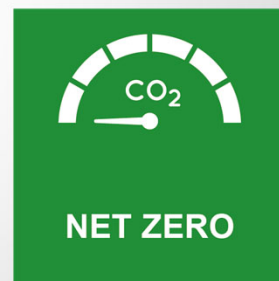
3 October 2022, Geneva



SECURITY



RESILIENCE



NET ZERO

**31<sup>st</sup> Session of the COMMITTEE  
ON SUSTAINABLE ENERGY 2022**



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