

# Group of Experts on Energy Efficiency

Eighth session



**UNECE**

20–21 September 2020 | Geneva and virtual

# Group of Experts on Energy Efficiency

Eighth session

**20 September 2020**  
**10:00-13:00**

Agenda items 1, 2, 3, and 4



Geneva and virtual

# Welcome and housekeeping



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**Mr. Igor LITVINYUK**

Secretary, Group of Experts on Energy Efficiency

- Meeting times: 10:00-13:00 and 15:00-18:00
- Hybrid meeting: in-person (Geneva, Palais des Nations, Tempus 2) and online (Zoom), recorded
- Simultaneous interpretation in English, French and Russian
- Please prioritize chat function for questions and comments
- To request the floor, please use “raise hand” icon
- Presentations will be posted to the UNECE website
- Secretariat support: Igor LITVINYUK, Secretary, GEEE
- For inquiries, please contact: [energy.efficiency@un.org](mailto:energy.efficiency@un.org)

# Agenda item 1

## Adoption of the agenda



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*Documentation:* [ECE/ENERGY/GE.6/2021/1](https://unece.org/sites/default/files/2021-09/ECE/ENERGY/GE.6/2021/1) – Annotated provisional agenda for the eighth session

**Mr. Aleksandar DUKOVSKI**

Chair, Group of Experts on Energy Efficiency

**Mr. Igor LITVINYUK**

Secretary, Group of Experts on Energy Efficiency

### Provisional agenda:

1. Adoption of the agenda.
2. Election of officers.
3. Opening remarks.
4. Introductory plenary session.
5. Improving energy efficiency in industry.
6. Improving energy efficiency in buildings.
7. Unlocking energy efficiency potential through digitalization.
8. Regulatory and policy dialogue addressing barriers to improve energy efficiency.
9. Status of implementation of the Work Plan of the Group of Experts for 2020-2021 and considerations regarding draft Work Plan for 2022-2023
10. Other business.
11. Dates of the next meeting.
12. Adoption of conclusions and recommendations.
13. Adoption of the report and close of the meeting.

**Tentative timeline:** [https://unece.org/sites/default/files/2021-09/GEEE-8%20Session%20structure\\_rev.1.pdf](https://unece.org/sites/default/files/2021-09/GEEE-8%20Session%20structure_rev.1.pdf)

# Agenda item 2

## Election of officers



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**Mr. Igor LITVINYUK**

Secretary, Group of Experts on Energy Efficiency

The Bureau of the Group of Experts on Energy Efficiency comprises the following members:

- **Member States:** representative of Macedonian Centre for Energy Efficiency (Chair), Armenia, Belarus, Bosnia and Herzegovina, Georgia, Russian Federation, Ukraine.
- **Organizations:** representative of French Ministry of Ecological Transition, University of Geneva, Croatian Innovators Network, UNEP-DTU Partnership, PAN DATA;
- **Ex officio:** Green Growth Knowledge Partnership, Institute for Energy Efficiency in Production, United Nations Development Programme, Real Estate Tribune, Harvard Kennedy School of Government.

List of the Bureau members as of the beginning of the session: <https://unece.org/sites/default/files/2021-05/GEEE%20Bureau%202021%20%28as%20of%204%20May%29.pdf>

Received nominations for elections of additional Bureau members:

- re-election of Dr. Romanas SAVICKAS (UNEP-DTU Partnership); and
- re-election of Dr. Piyush VERMA (Harvard Kennedy School of Government, *ex officio*).

# Agenda item 2 (continued)

## Election of officers



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**Mr. Aleksandar DUKOVSKI**

Chair, Group of Experts on Energy Efficiency

**Mr. Igor LITVINYUK**

Secretary, Group of Experts on Energy Efficiency

At the Bureau meeting on 27 August 2021 ([report](#)), the Chair of the Group of Experts, Mr. Aleksandar DUKOVSKI, announced his resignation from the office effective conclusion of the eighth session.

The Bureau recommended that the Chairs (Co-Chairs) of the Task Forces that report to the Group of Experts (Task Force on Industrial Energy Efficiency, Joint Task Force on Energy Efficiency Standards in Buildings, and Task Force on Digitalization in Energy) step in as interim Co-Chairs of the Group of Experts and guide its activities during the intersessional period until the ninth session.

While keeping options open, the following proposal on candidacies of interim Co-Chairs of the Group of Experts on Energy Efficiency was made:

- Mr. Stefan M. BUETTNER, Co-Chair of the Task Force on Industrial Energy Efficiency
- Mr. Vahram Jalalyan, Co-Chair of the Joint Task Force on Energy Efficiency Standards in Buildings
- Mr. Piyush Verma, Chair of the Task Force on Digitalization in Energy

# Agenda item 2

## Election of officers



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**Mr. Igor LITVINYUK**

Secretary, Group of Experts on Energy Efficiency

The Group of Experts has the following members to serve on its Bureau:

**Member States:** Mr. Vahagn ATAYAN (Armenia), Mr. Andrei MINIANKOU (Belarus), Ms. Sanja KAPETINA (Bosnia and Herzegovina), Mrs. Natalia JAMBURIA (Georgia), Mr. Petr BOBYLEV (Russian Federation), Mr. Kostiantyn GURA (Ukraine).

**Organizations:** Mr. Benoit LEBOT (Ministry for the Ecological and Inclusive Transition), Prof. Martin K. PATEL (University of Geneva), Mr. Zlatko PAVICIC (Croatian Innovators Network), Dr. Alisa FREYRE (PAN DATA GmbH), Dr. Romanas SAVICKAS (UNEP-DTU Partnership, Copenhagen Centre on Energy Efficiency);

**Ex officio:** Mr. Hannes MAC NULTY (Green Growth Knowledge Partnership) and Mr. Stefan M. BUETTNER\* (Institute for Energy Efficiency in Production) as Co-Chairs of the Task Force on Industrial Energy Efficiency; Mr. Vahram JALALYAN\* (United Nations Development Programme in Armenia) and Ms. Irena PERFANOVA (Real Estate Tribune / AICC Ltd) as Co-Chairs of the Joint Task Force on Energy Efficiency Standards in Buildings; Dr. Piyush VERMA\* (Harvard Kennedy School of Government) as Chair of the Joint Task Force on Digitalization in Energy.

**\* a.i. Co-Chairs**

**of the Group:** Mr. Stefan M. BUETTNER, Mr. Vahram JALALYAN, Dr. Piyush VERMA.

# Agenda item 3

## Opening remarks



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**Mr. Aleksandar DUKOVSKI**

Chair, Group of Experts on Energy Efficiency



# Agenda item 4

## Introductory plenary session



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Discussion on topical issues facilitated by the subsidiary bodies of the Group of Experts on Energy Efficiency: Task Force on Industrial Energy Efficiency, Joint Task Force on Energy Efficiency Standards in Buildings, and Task Force on Digitalization in Energy.

**Mr. Aleksandar DUKOVSKI**

Chair, Group of Experts on Energy Efficiency

**Mr. Petr BOBYLEV**

Vice-Chair, Group of Experts on Energy Efficiency

**Mr. Vahram JALALYAN and Ms. Irena PERFANOVA**

Co-Chairs, Joint Task Force on Energy Efficiency Standards in Buildings

**Mr. Stefan M. BUETTNER and Mr. Hannes MAC NULTY**

Co-Chairs, Task Force on Industrial Energy Efficiency

**Dr. Piyush VERMA**

Chair, Task Force on Digitalization in Energy

**Mr. Oleg DZIOUBINSKI**

Regional Adviser on Energy

**Mr. Igor LITVINYUK**

Secretary, Group of Experts on Energy Efficiency

1. Plannability is of high importance, particularly during uncertain times - for decarbonisation it is often necessary to implement what may pay off only within some years - with all the measures discussed, how can plannability be achieved in a manner that stakeholders are encouraged can dare to risk to implement their efficiency potentials?
2. Despite energy/environment management systems in place it appears that improvement potentials are often not known and if known often not implemented - what could be the reason for this and how could it be overcome?
3. Analysis of the updated climate plans submitted to the UN has shown that we are far off where we should be right now to maintain ability to achieve the paris targets - in your eyes, how can you/can energy efficiency ensure a turnaround?
4. There are lots of entities fostering advancements of energy efficiency, technologies exists, often also support/facilitation programmes - why does it still appear as a "coalition of the willing" and how can be achieved that working energy efficiency is adopted by the Mainstream?
5. We heard form the chairs regarding the need for taking action; do they think that the current human capital is sufficient for making the transition towards a more efficient and sustainable future?
6. It was said that everyone has the means to do something and that many don't have this on the top of their mind - how can people, building owners, smaller companies be brought on-board?
7. Changes in sea level and ice bar (and related climate variabilities) have affected energy efficiency in developing countries using hydro power only. How may such challenges be resolved?
8. @Hannes Mac Nulty: concerning roadmaps: I have worked in the corporate responsibility team of a large consulting company. Although this is not a manufacturing company, from this perspective, I can share that they did not have a roadmap to net-zero, even though they aim at this goal by 2030. They had - at the most - a roadmap to improve individual aspects (e.g. getting a certain certification), but not a roadmap for the overall goal. I don't have detailed insights in other companies in Germany, but having a strong background in psychology, I expect that only a few have a strong roadmap.



# Group of Experts on Energy Efficiency

Eighth session

**20 September 2020**  
**15:00-18:00**

Agenda items 5 and 6

Geneva and virtual

# Agenda item 6

## Improving energy efficiency in buildings in the framework of the 11<sup>th</sup> International Forum on Energy for Sustainable Development



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The Group of Experts at its seventh session (22 and 25 September 2020) requested the results of the gap analysis, conducted in the framework of the project “Enhancing National Capacities to Develop and Implement Energy Efficiency Standards for Buildings in the UNECE Region” to be reported at the eighth session. The respective document was developed in response to this request.

Background information on this workshop is available in the [concept note](#).

*Documentation:* [ECE/ENERGY/GE.6/2021/4](#) – Energy Efficiency Standards in Buildings: analysis of progress towards the performance objectives

15:00- **Welcome remarks**

15:10 **Mr. Vahram JALALYAN**, Co-Chair, Joint Task Force on Energy Efficiency Standards in Buildings  
**Ms. Paloma TALTAVULL DE LA PAZ**, Chair, Real Estate Market Advisory Group (REM)

15:10- **UNECE Activities on Energy Efficiency in Buildings**

15:20 **Ms. Gulnara ROLL**, Secretary, Committee on Urban Development, Housing and Land Management  
**Mr. Oleg DZIOUBINSKI**, Regional Adviser on Energy

# **Agenda item 6 (continued)**

## **Improving energy efficiency in buildings** in the framework of the 11<sup>th</sup> International Forum on Energy for Sustainable Development



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*Documentation:* [ECE/ENERGY/GE.6/2021/4](https://www.unep.org/energy/energy-efficiency/energy-efficiency-standards-in-buildings) – Energy Efficiency Standards in Buildings: analysis of progress towards the performance objectives

15:20- **Regional Study on Gap Analysis between the Performance Objectives Set Forth in the Framework**  
15:30 **Guidelines for Energy Efficiency Standards in Buildings and Implementation of Current Energy**

**Efficiency Standards**

**Ms. Nadejda KHAMRAKULOVA**, Project Officer

15:00- **Findings of the National Studies with a More Detailed Gap Analysis in Armenia, Kyrgyzstan, and the**  
15:10 **Republic of Moldova**

**Sergiu ROBU**, UNECE Consultant (the Republic of Moldova)

**Mikhail TOROPOV**, UNECE Consultant (Kyrgyzstan)

**Andre OHANIAN**, on behalf of Ani RAFYAN, UNECE Consultant (Armenia)

# Agenda item 6 (continued)

## Improving energy efficiency in buildings in the framework of the 11<sup>th</sup> International Forum on Energy for Sustainable Development



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*Documentation:* [ECE/ENERGY/GE.6/2021/4](https://www.ece.org/energy/ge.6/2021/4) – Energy Efficiency Standards in Buildings: analysis of progress towards the performance objectives

15:50- 16:25 **Panel Discussion: Application of Recommendations from the Studies to Bridge the Gap and Enhance National Capacity to Develop and Implement Energy Efficiency Standards for Buildings**

Moderator: **Aleksandar DUKOVSKI**, Chair, Group of Experts on Energy Efficiency

Panellists:

- Representative of Government, Republic of Moldova
- **Maksat AMIRAEV**, State Agency of Architecture, Construction and Housing and Communal Services under the Government of Kyrgyzstan
- Representative of Government, Armenia
- **Andrew POPELKA**, Senior Energy Advisor, United States Agency for International Development
- **Rob BERNHARDT**, Passive House Expert, Canada

16:25- **Wrap-up**

16:30 **Vahram JALALYAN**, Co-Chair, Joint Task Force on Energy Efficiency Standards in Buildings

# Agenda item 5

## Improving energy efficiency in industry in the framework of the 11<sup>th</sup> International Forum on Energy for Sustainable Development



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The Task Force on Industrial Energy Efficiency, following its Action Plan, conducted research on possible economic measures to reduce greenhouse gas footprint. The outcomes of this research are presented in the documents.

Background information on this workshop is available in the [concept note](#).

*Documentation:* [ECE/ENERGY/GE.6/2021/3](#) – A pathway to reducing greenhouse gas footprint in manufacturing: determinants for an economic assessment of industrial decarbonization measures

GEEE-8/2021/INF.2 – Recommendations for an economic assessment of industrial decarbonization options

16:30- **Opening and setting the scene: Striving for net zero, but why?**

16:40 **Mr. Stefan M. BUETTNER**, Co-Chair, Task Force on Industrial Energy Efficiency

16:40- **Decarbonization pathways: the company perspective**

17:00 **Ms. Kerstin KOHLER**, Head of Environmental Management, SICK AG

**Mr. Francisco ALANIS**, Senior Consultant, Advisian

# Agenda item 5 (continued)

Improving energy efficiency in industry  
in the framework of the 11<sup>th</sup> International Forum  
on Energy for Sustainable Development



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*Documentation:* [ECE/ENERGY/GE.6/2021/3](#) – A pathway to reducing greenhouse gas footprint in manufacturing: determinants for an economic assessment of industrial decarbonization measures  
GEEE-8/2021/INF.2 – Recommendations for an economic assessment of industrial decarbonization options

17:00- **Panel discussion: Are we ready? Pathways to net-zero manufacturing**

17:30

Moderator: **Mr. Hannes MAC NULTY**, Senior Industry Advisor, Green Industry Platform, and Co-Chair, Task Force on Industrial Energy Efficiency

Panellists:

- **Ms. Kerstin KOHLER**, Head of Environmental Management, SICK AG
- **Mr. Michael HEINZE**, Board Member, INTENSE AG / CS4I (Digitalization)
- **Mr. Branko DUNJIC**, Director, Cleaner Production Centre of Serbia (Local Implementation)

17:30- **Decarbonizing carbon intensive industries**

17:40

**Ms. Iva BRKIC**, Project Officer, Carbon Neutrality Project, UNECE



# Agenda item 5 (continued)

Improving energy efficiency in industry  
in the framework of the 11<sup>th</sup> International Forum  
on Energy for Sustainable Development



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*Documentation:* [ECE/ENERGY/GE.6/2021/3](#) – A pathway to reducing greenhouse gas footprint in manufacturing: determinants for an economic assessment of industrial decarbonization measures  
GEEE-8/2021/INF.2 – Recommendations for an economic assessment of industrial decarbonization options

17:40- **Questions and answers session**

17:55

17:55- **Wrap-up and conclusions**

18:00

**Mr. Stefan M. BUETTNER**, Co-Chair, Task Force on Industrial Energy Efficiency

# Group of Experts on Energy Efficiency

Eighth session

**21 September 2020**  
**10:00-13:00**

Agenda items 5 (continued), 7 and 8



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# Agenda item 8

## Regulatory and policy dialogue addressing barriers to improve energy efficiency



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Exchange of experience, sharing conclusions on the raised issues, and discussing how to overcome the identified challenges and make use of the opportunities.

Moderator: **Mr. Aleksandar DUKOVSKI**, Chair, Group of Experts on Energy Efficiency

Panellists:

Rapporteurs designated by **Joint Task Force on Energy Efficiency Standards in Buildings**, **Task Force on Industrial Energy Efficiency**, and **Task Force on Digitalization in Energy**

Interventions by:

**Ms. Kankana DUBEY**, UNECE Consultant, on key findings of the study on Women in Energy

**Mr. Vitaly BEKKER** and **Mr. Andrey DODONOV**, UNECE Consultant, on key findings of study on guidelines and best practices for MSME in delivering energy-efficient products and renewable energy equipment

# Agenda item 7

## Unlocking energy efficiency potential through digitalization



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Digitalization is an emerging trend revamping the energy landscape and enabling progress toward continuous energy efficiency improvements. It is often recognized as a priority area of innovation in the energy sector. This year, the focus is on the buildings sector.

Background information on this workshop is available in the [concept note](#).

*Documentation:* [ECE/ENERGY/GE.6/2021/5](#) – Improving Efficiency of Buildings through Digitalization – Policy Recommendations from the Task Force on Digitalization in Energy

11:30- **Opening and setting the scene**

11:35 **Dr. Piyush VERMA**, Chair, Task Force on Digitalization in Energy

11:35- **International standards on energy efficiency, smart energy, and green data centres**

11:45 **Ms. Reyna UBEDA**, Advisor, International Telecommunication Union

11:45- **Internet of Things and advanced communication protocols for energy efficiency**

12:00 **Mr. Benoit LEBOT**, Senior Policy Advisor, French Ministry of Ecological Transition, and Vice-Chair, Group of Experts on Energy Efficiency

12:00- **How data analytics can drive strategic thinking across the utility**

12:15 **Dr. Beth MASSEY**, Director, Connected Analytics, the United States Energy Authority

# Agenda item 7 (continued)

## Unlocking energy efficiency potential through digitalization



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*Documentation:* [ECE/ENERGY/GE.6/2021/5](https://www.ece.org/energy/ge6/2021/5) – Improving Efficiency of Buildings through Digitalization  
– Policy Recommendations from the Task Force on Digitalization in Energy

12:15- **Panel discussion**

12:55

Moderator: **Dr. Romanas SAVICKAS**, Senior Advisor for Energy, UNEP-DTU Partnership, Copenhagen Centre on Energy Efficiency, and Vice-Chair, Group of Experts on Energy Efficiency

Panellists:

- **Dr. Beth MASSEY**, Director, Connected Analytics, the United States Energy Authority
- **Mr. Benoit LEBOT**, Senior Policy Advisor, French Ministry of Ecological Transition, and Vice-Chair, Group of Experts on Energy Efficiency
- **Mr. Ole KJELDSEN**, Director, Microsoft Denmark
- **Dr. Erlijn VAN GENUCHTEN**, Cyber Security Expert

12:55- **Wrap-up and conclusions**

13:00

**Dr. Romanas SAVICKAS**, Senior Advisor for Energy, UNEP-DTU Partnership, Copenhagen Centre on Energy Efficiency, and Vice-Chair, Group of Experts on Energy Efficiency

1. virtually every data stream leaving the building needs to be secured by design -> so smart home products & services ought to come with a smart digital security foundation
2. similarly for energy infrastructure, Industry4.0 etc - what can happen if this is not embraced we're seeing regularly in with confidential data being publicly available, with encrypting/blackmailing campaigns or most dramatically if a whole energy system is taken down (as realistically described in the novel "Blackout")

# Group of Experts on Energy Efficiency

Eighth session

**21 September 2020**  
**15:00-18:00**

Agenda items 9, 10, 11, 12, and 13



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# Agenda item 9

## Status of implementation of the Work Plan of the Group of Experts for 2020-2021 and considerations regarding draft Work Plan for 2022-2023



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The Group of Experts is invited to acknowledge the status of implementation of activities under its Work Plan for 2020-2021, and to elaborate on concrete steps towards implementation of the draft Work Plan for 2022-2023 (approved by written procedure and submitted to the Committee on Sustainable Energy for consideration at its thirtieth session).

*Documentation:* [ECE/ENERGY/2019/8](#) – Work Plan of the Group of Experts on Energy Efficiency for 2020-2021

[ECE/ENERGY/2021/10](#) – Work Plan of the Group of Experts on Energy Efficiency for 2022-2023



# Agenda item 9

## Status of implementation of the Work Plan of the Group of Experts for 2020-2021 and considerations regarding draft Work Plan for 2022-2023



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Documentation: [ECE/ENERGY/2019/8](#) – Work Plan of the Group of Experts on Energy Efficiency for 2020-2021

Concrete activities	Deliverables	Status	Reference
A. Improving energy efficiency in industry	(a) An industrial energy efficiency action plan	<b>implemented</b>	
	(b) An assessment of the roles of ECE and stakeholder organizations in delivering on the action plan	<b>implemented</b>	<a href="#">ECE/ENERGY/GE.6/2020/3</a>
B. Improving energy efficiency in buildings	(a) Improved Framework Guidelines for Energy Efficiency Standards in Buildings	<b>implemented</b>	<a href="#">ECE/ENERGY/GE.6/2020/4</a>
	(b) A set of workshops and train-the-trainer seminars on high performance energy efficiency standards in buildings in line with Framework Guidelines	<b>implemented</b>	<a href="#">Meetings and Events</a>
C. Regulatory and policy dialogue addressing barriers to improve energy efficiency	(a) A report on barriers, options, and best practices for energy efficiency improvements	<b>implemented</b>	<a href="#">GEEE-7/2020/INF.4</a> → <a href="#">ECE/ENERGY/135</a>
	(b) A report on gender equality in energy efficiency	<b>ongoing</b>	(see agenda item 8)
	(c) A report on viable energy efficiency policies to reach “Pathways to Sustainable Energy” scenarios	<b>implemented</b>	<a href="#">ECE/ENERGY/GE.6/2020/5</a>
D. Energy consumption and emissions of electric vehicles	(a) Form a joint task force to develop the procedures for energy consumption and emissions that could be applied by electric vehicles manufacturers	<b>ongoing</b>	-
	(b) Organize a set of activities to bring together vehicle and energy experts to streamline the development of energy consumption and emissions of electric vehicles	<b>implemented</b>	<a href="#">Workshop on Real-Time Upstream Emissions of EV During Recharge</a>

# Agenda item 9 (continued)

## Status of implementation of the Work Plan of the Group of Experts for 2020-2021 and considerations regarding draft Work Plan for 2022-2023



UNECE

*Documentation:* [ECE/ENERGY/2021/10](#) – Work Plan of the Group of Experts on Energy Efficiency for 2022-2023 (pending approval by the Committee on Sustainable Energy)

**Mr. Hannes MAC NULTY** and **Mr. Stefan M. BUETTNER**  
Co-Chairs, Task Force on Industrial Energy Efficiency

**Mr. Igor LITVINYUK**  
Secretary, Group of Experts on Energy Efficiency

### **A. Improving energy efficiency in industry**

*dependent on extrabudgetary resources and/or in-kind contributions*

#### **Work to be undertaken:**

- (a) Assess industrial energy demand, identify and develop approaches to implement best practices in increasing energy efficiency in key industries, and explore policy actions to foster implementation of energy efficiency measures and progress towards carbon neutrality by industry;
- (b) Expand membership of the Task Force on Industrial Energy Efficiency [...];
- (c) [...], organize workshops to exchange experience and share information on barriers, drivers, and options for improving energy efficiency and energy productivity in industry;
- (d) Promote the concept of energy productivity;
- (e) Provide input to relevant extrabudgetary projects;
- (f) Support closer cooperation between the subsidiary bodies of the Committee on Sustainable Energy [...].

#### **Deliverables and Timeline:**

- (a) Two reports on industrial energy efficiency in line with the Industrial Energy Efficiency Action Plan (ECE/ENERGY/GE.6/2020/3) and activities of the Committee on Sustainable Energy; first drafts for discussion by October 2022, final drafts by October 2023;
- (b) Workshops and information sharing sessions on relevant topics of interest; ongoing 2022-2023.

# Agenda item 9 (continued)

## Status of implementation of the Work Plan of the Group of Experts for 2020-2021 and considerations regarding draft Work Plan for 2022-2023



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*Documentation:* [ECE/ENERGY/2021/10](#) – Work Plan of the Group of Experts on Energy Efficiency for 2022-2023 (pending approval by the Committee on Sustainable Energy)

**Mr. Vahram JALALYAN** and **Ms. Irena PERFANOVA**

Co-Chairs, Joint Task Force on Energy Efficiency Standards in Buildings

**Mr. Igor LITVINYUK**

Secretary, Group of Experts on Energy Efficiency

### B. Improving energy efficiency in buildings

#### Work to be undertaken:

- (a) Conduct workshops and seminars on the application of the Framework Guidelines on Energy Efficiency Standards in Buildings in collaboration with partners;
- (b) Contribute to sustainable energy activities and initiatives, participate in development of project proposals, and provide guidance, as appropriate, within the scope of its expertise and in line with its Terms of Reference.

#### Deliverables and Timeline:

- (a) A set of [...] seminars on high performance energy efficiency standards in buildings in line with the Framework Guidelines on Energy Efficiency Standards in Buildings, ongoing in 2022-2023 **pending extrabudgetary resources**;
- (b) Contribution [...] to activities of the Group of Experts and the Committee on Sustainable Energy and its subsidiary bodies; ongoing in 2022-2023;
- (c) Additional centres of excellence on High-Performance Buildings supporting deployment of the Framework Guidelines on Energy Efficiency Standards in Buildings, undertaking research, and providing implementation-oriented advanced education and assistance; ongoing in 2022-2023 **pending engagement of additional centres of excellence**.

# Agenda item 9 (continued)

## Status of implementation of the Work Plan of the Group of Experts for 2020-2021 and considerations regarding draft Work Plan for 2022-2023



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*Documentation:* [ECE/ENERGY/2021/10](#) – Work Plan of the Group of Experts on Energy Efficiency for 2022-2023 (pending approval by the Committee on Sustainable Energy)

**Dr. Piyush VERMA**

Chair, Task Force on Digitalization in Energy

**Mr. Igor LITVINYUK**

Secretary, Group of Experts on Energy Efficiency

### C. Digitalization in Energy

**dependent on extrabudgetary resources and/or in-kind contributions**

#### Work to be undertaken:

- (a) [...] expand membership to include energy industry experts [...] and maintain list of <relevant> digital solutions;
- (b) [...] explore [...] opportunities and challenges and develop [...] reports covering [...] topics on energy digitalization;
- (c) Develop a compendium of [...] case studies that have significant potential of replication;
- (d) Organize workshops [...] to bridge the gap between academic research, industrial innovations, and policy needs;
- (e) Organize a roundtable for policymakers from ECE member States engaged on energy digitalization agenda [...];
- (f) Contribute [...] to sustainable energy activities [...] overseen by the Committee; pending resources, disseminate results through regional workshops, policy recommendations and viable business models [...];
- (g) Seek opportunities for joint activities with other relevant organizations.

#### Deliverables and Timeline:

- (a) Two reports [...] on digitalization in energy in line with the activities of the other subsidiary bodies [...]; first drafts for discussion by October 2022, final drafts by October 2023;
- (b) Compendium of case studies with a standard template of information for each case; by January 2023;
- (c) Workshops [...] on relevant topics of interest; ongoing in 2022-2023;
- (d) Roundtable on energy digitalization policy for policymakers; by March 2022.

# Agenda item 9 (continued)

## Status of implementation of the Work Plan of the Group of Experts for 2020-2021 and considerations regarding draft Work Plan for 2022-2023



UNECE

*Documentation:* [ECE/ENERGY/2021/10](#) – Work Plan of the Group of Experts on Energy Efficiency for 2022-2023 (pending approval by the Committee on Sustainable Energy)

**Mr. Igor LITVINYUK**

Secretary, Group of Experts on Energy Efficiency

### D. Regulatory and Policy Dialogue Addressing Barriers to Improve Energy Efficiency

#### Work to be undertaken:

- (a) Continue its regulatory and policy dialogue addressing barriers to improve energy efficiency;
- (b) Consider solutions towards practical implementation of the policy recommendations outlined in ECE/ENERGY/GE.6/2020/5 and explore other policy actions to overcome the identified challenges;
- (c) Continue monitoring and assessing barriers for delivery of energy efficiency improvements in the ECE region, notably in the areas of resource efficiency, energy productivity, energy performance standards, management of energy supply chains, and other that serve advancement of a circular economy and impact favourably on [...] achievement of SDG7.

#### Deliverables and Timeline:

- (a) [...] seminars to enable policy dialogue addressing barriers to improve energy efficiency; ongoing in 2022-2023;
- (b) A report on barriers for delivery of energy efficiency improvements in the ECE region, notably in the areas of resource efficiency, energy productivity, energy performance standards, management of energy supply chains, and other; **pending extrabudgetary resources**; first draft [...] by the ninth session [...]; final draft by the tenth session [...];
- (c) A report on the existing mechanisms promoting energy efficiency uptake and more efficient use of energy resources, including through subsidies as well as carbon pricing options, in the ECE region; **pending extrabudgetary resources**; first draft [...] by the ninth session [...]; final draft by the tenth session [...].

# Agenda item 9 (continued)

## Status of implementation of the Work Plan of the Group of Experts for 2020-2021 and considerations regarding draft Work Plan for 2022-2023



UNEP

*Documentation:* [ECE/ENERGY/2021/10](#) – Work Plan of the Group of Experts on Energy Efficiency for 2022-2023 (pending approval by the Committee on Sustainable Energy)

**Mr. Igor LITVINYUK**

Secretary, Group of Experts on Energy Efficiency

### **E. Assessing Energy Consumption and Emissions of Electric Vehicles dependent on extrabudgetary resources and/or in-kind contributions**

#### **Work to be undertaken:**

- (a) Continue dialogue among vehicle and energy experts to assess energy consumption and emissions of electric vehicles and explore pathways for a balanced integration of electric mobility;
- (b) Assess how digital technologies could enable more accurate measurement and reporting of real-time emissions of electric vehicles.

#### **Deliverables and Timeline:**

- (a) A set of workshops and seminars; ongoing in 2022-2023;
- (b) A report containing considerations on viable pathways for a balanced integration of electric mobility; first draft by December 2022, final draft by the tenth session [...].

# Agenda item 10

Other business



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There were no issues to be raised under this item.

# Agenda item 11

## Dates of the next meeting



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**Mr. Igor LITVINYUK**

Secretary, Group of Experts on Energy Efficiency

The ninth session of the Group of Experts is scheduled to take place in Geneva on 3 and 4 October 2022. The Group of Experts confirmed its proposal from the previous sessions that its meetings may take place in venues outside Geneva.



# Agenda item 12

## Adoption of conclusions and recommendations



UNEP

*Documentation:* [GEEE-8/2021/INF.1](#) – Draft Conclusions and Recommendations arising from the eighth session of the Group of Experts on Energy Efficiency

**Mr. Aleksandar DUKOVSKI**

Chair, Group of Experts on Energy Efficiency

**Mr. Igor LITVINYUK**

Secretary, Group of Experts on Energy Efficiency

Draft conclusions and recommendations were circulated to Geneva Permanent Representations. The Group of Experts is invited to review and adopt the draft Conclusions and recommendations arising from the eighth session of the Group of Experts on Energy Efficiency, as contained in GEEE8/2021/INF.1.

# Agenda item 13

## Adoption of the report and close of the meeting



**UNECE**

*Documentation:* ECE/ENERGY/GE.6/2021/2 – Report of the Group of Experts on Energy Efficiency on its eighth session

**Mr. Aleksandar DUKOVSKI**

Chair, Group of Experts on Energy Efficiency

**Mr. Igor LITVINYUK**

Secretary, Group of Experts on Energy Efficiency

The Group of Experts is invited to adopt its report based on the Conclusions and recommendations, subject to any necessary editing and formatting.

# Closing remarks



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**Mr. Aleksandar DUKOVSKI**  
Chair, Group of Experts on Energy Efficiency



# Group of Experts on Energy Efficiency

Eighth session

## THANK YOU FOR PARTICIPATION



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20–21 September 2020 | Geneva and virtual