A Decarbonization Roadmap for the Energy Community

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The European Commission in cooperation with the Secretariat will launch preparatory work on developing a decarbonisation roadmap for the Energy Community until 2030 and beyond in the framework of the Energy and Climate Committee and its technical working group.

*Ministerial Council conclusions 17.12.2020*
Areas typically covered by a DR

- **Electricity and energy**
  - Production of zero and low-carbon electricity

- **Non-energy and industry**
  - Electrification & shifting away from fossil fuels to zero & low-carbon fuels
  - Energy efficiency
  - Flexibility – local/distributed generation, demand-side measures

- **Residential & commercial buildings**

- **Transport, aviation, shipping**

- **Carbon Sequestration**
  - Capture, removal and storage and remaining CO₂
Context

- 2050 carbon neutrality objective
- Coal phase-out by 2050
- NDC 2
- 2030 targets (EC study)
- NECPs
- Other existing ntl. strategies
- EnC Decarbonization Roadmap
- LCPD, IED & NERPs
- EnC RES & EE obligations
- Long-term Strategies (Gov. Reg. / PA)
- Low-Carbon Development Strategies (MMR)
- Potential new acquis

External issues, new EU legislation – e.g. CBAM

Energy Community Secretariat

6th Energy and Climate Committee, 22nd February 2021
EU legislative initiatives with possible impact

- European Climate Law (Regulation) and 2030 Climate Target Plan;
- Regulation on the Just Transition Fund;
- Revision of the EU Emissions Trading System (ETS);
- Carbon Border Adjustment Mechanism (CBAM);
- Effort Sharing Regulation;
- Renewable Energy Directive;
- Energy Efficiency Directive;
- Regulation on the inclusion of greenhouse gas emissions and removals from land use, land use change and forestry;
- Reducing methane emissions in the energy sector;
- Energy Tax Directive;
- Directive on deployment of alternative fuels infrastructure;
- Regulation setting CO2 emission performance standards for new passenger cars and for new light commercial vehicles;
- Third Energy Package for gas.
Principles and possible scope

• Use existing sources of information and studies, based primarily on CP data;
• Do not duplicate existing national strategies / policy documents;
• Work with CPs building on their planned policies and measures but also taking a “helicopter view” to see consistency on the regional level;
• Assume full compliance with EnC acquis and other obligations (AAs, PA, Sofia Declr., carbon pricing);

• **Targeted scope**: sectoral decarbonization roadmap for the electricity sector (with potential extension to heating and possibly other areas)

• **Planned timing**: in the course of 2021
Questions to tackle

- Trajectories
- Carbon price
- Regional pathways
- Costs
- Coal phase-out by 2050
- Renewables
- Policy scenarios
- Electrification
- 2030 targets
- Security of supply
- Regional optimization
- Generation adequacy
- Emission trading
- LCPD and IED compliance
- Fossil fuel subsidies
Possible challenges

• Availability of up-to-date data for all CPs (WB6 and EaP);
• Consistency among different various commitments/pledges and policies/strategies(?)
• CP representatives’ capability to participate in the process while attending to other commitments;
• Uncertainty of internal and external policy developments (e.g. national policies, EU initiatives e.g. CBAM);
• Impact of planned scenarios on non-electricity sectors.
Next steps

• Development of the concept and research questions;
• Establishment of peers in CPs and in the EC;
• Following-up with ECC, TWG, ETF, EECG and RECG.
THANK YOU
FOR YOUR ATTENTION

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