



EU RENOVATION WAVE

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EU Policy Background

- **European Green Deal**
- **New EU Budget and Next Generation EU**
- **Energy System Integration Strategy**
- **Hydrogen Strategy**
- **Climate Target Plan**
- **Renovation Wave**
- **”Fit for 55” package**

Renovation Wave – adopted 14 Oct 2020

- **Recognises the importance of buildings in Green Deal: 85% built before 2001 and mostly inefficient with old and inefficient heating stock**
- **Climate Target Plan - 55% emission reduction target by 2030 compared to 2015:**
 - **EU should reduce buildings' greenhouse gas emissions by 60%**
 - **final energy consumption by 14%**
 - **energy consumption for heating and cooling by 18%**

Key Messages:

- **At least double the annual energy renovation rate of residential and non-residential buildings by 2030 and to foster deep energy renovations**
- **Mobilising forces at all levels towards these goals will result in 35 million building units renovated by 2030**
 - **The increased rate and depth of renovation will have to be maintained also post2030 in order to reach EU-wide climate neutrality by 2050**
 - **Achieve at least 4% annual replacement rate of heating systems in buildings**
 - **Renewable based and efficient heating systems**
 - **Sustainable cooling (efficiency and renewability) is increasingly important**

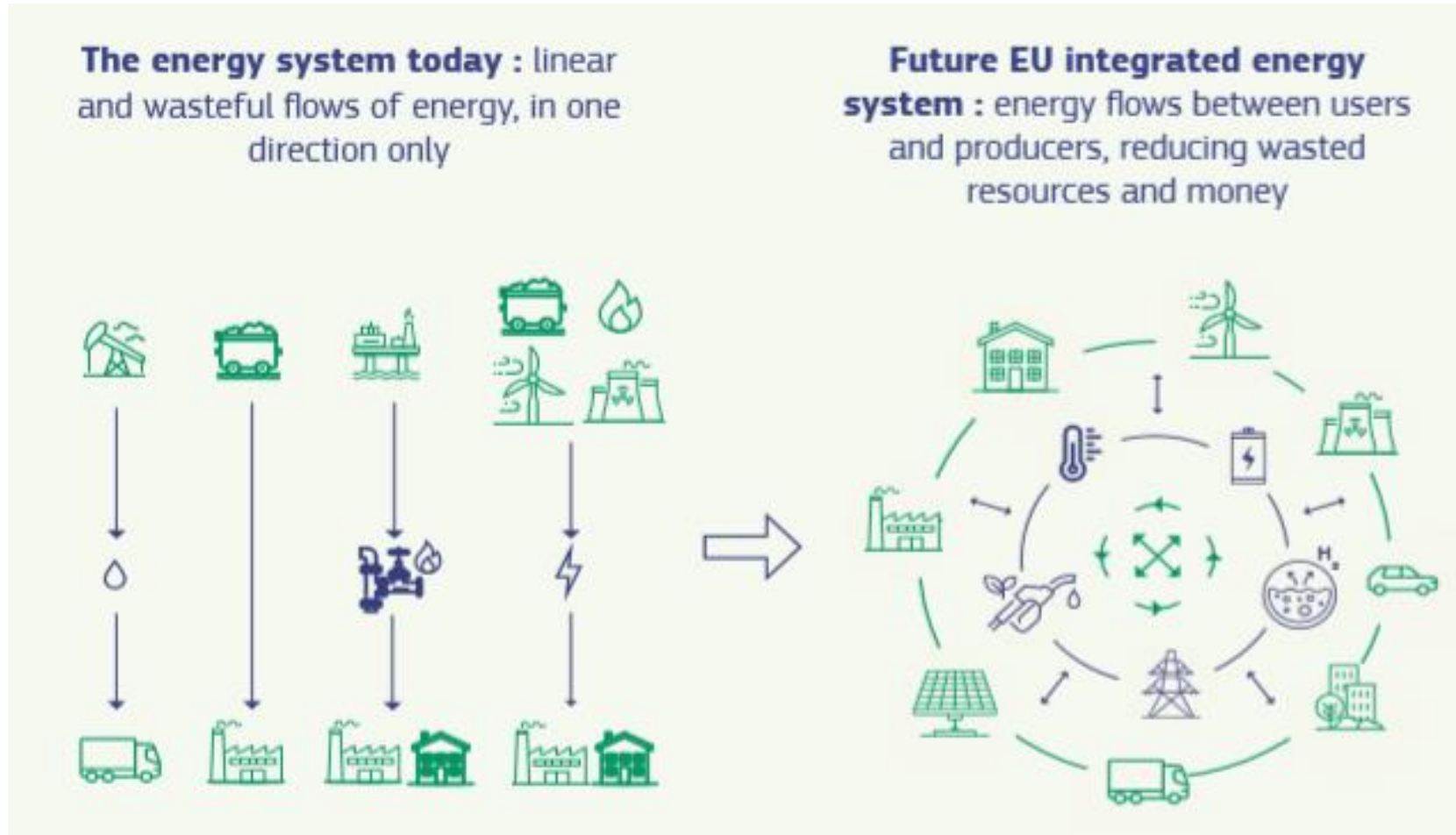
Key principles of the Renovation Wave

- **Energy efficiency first**
- **Affordability**
- **Integration of renewables**
- **Life-cycle thinking and circularity**
- **High health and environmental standards**
- **Twin green and digital transition**
- **Aesthetics and architectural quality**

Key Actions:

- **Strengthening mandatory minimum energy performance standard for new and existing buildings**
- **Update of Energy Performance Certificates**
- **Focus areas for action:**
 - **Public Buildings and social housing**
 - **District and community approaches, energy communities**
 - **Tackling energy poverty**
 - **Decarbonising heating and cooling**

The role of district heating and cooling



Energy System Integration (ESI) is the integrated planning and operation of the energy system 'as a whole', across multiple carriers, infrastructures and consumption sectors

Green Deal and 'Fit for 55' package – end goal: carbon neutrality by 2050

- **Review of the relevant regulatory framework: Renewable Energy Directive, Energy Efficiency Directive, ETS and Effort Sharing Regulation, Energy Taxation, ...**
- **Later on: review of the Energy Performance of Buildings Directive, Gas package, Ecodesign and Energy Labelling**
- **Energy System Integration is mainstreamed, in particular in REDII and EPBD reviews – heating and cooling: priority sector for action**
- **Climate spending mainstreamed in new EU budget and Next Generation EU (Recovery and Resilience Facility, National Recovery Plans)**

⇒ **Higher focus on heating and cooling in EU energy policy**



Thank you for your attention!

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