Delivering on the European Green Deal and Fit for 55

energy efficiency policy background

European Commission – DG ENER
Energy Efficiency unit
Margot Pinault
“Fit for 55” legislative package

- Fit for 55
- Social Climate Fund
- Emissions trading for road transport and buildings
- EU Emissions Trading System - for power, industry, maritime & aviation
- Land Use, Land Use Change, and Forestry Regulation
- Effort Sharing Regulation
- Carbon Border Adjustment Mechanism
- Reducing Methane Emissions
- EU Forest Strategy
- Energy Taxation Directive
- Energy Efficiency Directive
- Renewable Energy Directive
- CO2 emissions standards for cars and vans
- Hydrogen and Decarbonised Gas Package
- Alternative Fuels Infrastructure Regulation
- FuelEU Maritime Initiative
- ReFuelEU Aviation Initiative
- Reducing Methane Emissions
REPowerEU Communication

Reach independence from energy imports from Russia, through diversification of supply, accelerate renewable deployment and energy efficiency.
Main elements – EED-recast

- Increased EU energy efficiency target for 2030: **11.7% reduction** in primary (indicative) and final (binding) energy consumption.


- Strengthened energy savings obligation in end-use: **1.49%/y in average with a step-wise approach**.

- Stronger exemplary role of public sector: **1.9%/y reduction of public sector final energy consumption, 3% annual renovation rate of all public buildings above 250 m²**.

- H&C planning and Efficient District Heating and Cooling definition for the sector transition to decarbonisation.
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Background on the renewable energy directive

European Commission – DG ENER
Renewables and Energy System Integration Unit
Vera KISSLER
Revised RED: new RES target for 2030

**Overall RES share**

**At least 32%**
EU binding target
MS contributions + formula

**EU binding target**
MS contributions + formula
+ additional aspirational target of 2.5%

+ new indicative target for new capacities in innovative technologies: 5% by 2030

**Trajectories shall add up to the ref. points in 2022, 2025 and 2027 and to the EU 2030 binding RES target of at least 42.5%**
RED – measures to support target achievement

- Administrative procedures
- Binding EU RE target by 2030
- Guarantees of Origin
- Cooperation mechanisms
- Support mechanisms
- Self-consumption and renewable energy communities
- Sustainability criteria for bioenergy
- RE in H&C and transport
Key issues affecting RES permit-granting procedures

- Long procedures requiring significant paperwork
- Limited citizen and community involvement
- Many parallel procedures with limited internal coordination
- Insufficient human resources and skills
- Limited or non-existent planning for renewable projects
- Long waiting-time for grid connection permits
- Slow and complex procedures
Key areas of the EU action

- Long-term planning and investment
- Repowering, optimising grid capacity
- Identifying suitable areas, minimising exclusion zones
- Streamlining environmental assessments
- Clear, short and digitalised procedures
- Facilitating citizen and community participation
- Improving internal coordination
- Sufficient human resources and skills
- Ensuring staffing in line with NECP targets
- Clear deadlines for all process steps
- Access to justice ensured with efficient legal proceedings
- Enabling framework for renewable energy communities
- Passing benefits to local communities
- Responsibilities and procedures at national, regional and municipal levels
- Single contact points
- Simplify and accelerate
- Clear, short and digitalised procedures
- Facilitating citizen and community participation
- Improving internal coordination
- Sufficient human resources and skills
- Ensuring staffing in line with NECP targets
- Clear deadlines for all process steps
- Access to justice ensured with efficient legal proceedings
- Enabling framework for renewable energy communities
- Passing benefits to local communities
- Responsibilities and procedures at national, regional and municipal levels
- Single contact points
- Funding for upskilling and reskilling of permit-granting bodies
- Ensuring staffing in line with NECP targets
Background on the energy performance of buildings

European Commission – DG ENER
Energy Performance of Buildings and Products unit
Thibault ROY
EPBD revision: priority areas and main provisions

**Renovation**
- National Building Renovation Plans
- Minimum Energy Performance Standards
- Energy Performance Certificates
- Renovation passports for individual buildings

**Decarbonisation**
- Zero-emission buildings as new standard for new buildings and 2050 vision for building stock
- Consideration of whole life cycle carbon
- Phasing out of incentives for fossil fuels and new legal basis for national bans

**Modernisation & system integration**
- Infrastructure for sustainable mobility
- EPC digitalisation & databases
- Smart Readiness Indicator

**Financing**
- Public and private financing & technical assistance
- Deep renovation standard
- Priority to vulnerable households