



LIFE info days 2023

## Energy policy update

Fit-for-55 and REPowerEU

EED – RED – EPBD  
REPowerEU  
Market Reform  
Net-Zero Industry  
Digitalisation

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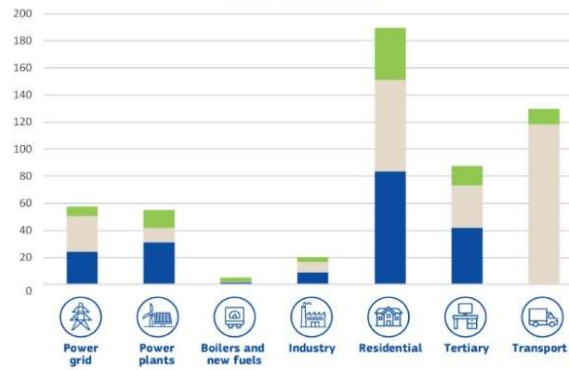
# Political context - EGD

## Climate Target Plan

- Published in September 2020
- Underpinning **European Climate Law** and its **binding objective** of reducing 55% GHG emission by 2030

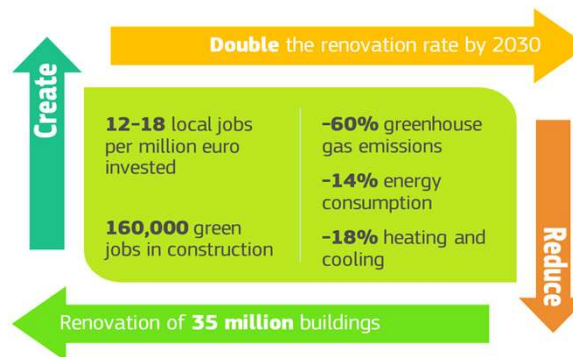
- Additional to achieve -55% greenhouse gas reductions, 2021-2030
- Additional under current 2030 policies in 2021-2030 compared to 2011-2020
- Historic annual investments in the energy system 2011-2020

Average annual investment 2011-2020 and additional investment 2021-30 under existing policies and to achieve -55% greenhouse gas emission reductions (in billion EUR 2015)



## Renovation Wave

- Published in September 2021
- Objective: (1) **double building renovation rates** in next 10 years, (2) **increase energy and resource efficiency** of building renovations



## Fit for 55

Legislative revision package implementing the European Green Deal, proposed by the Commission on 2021



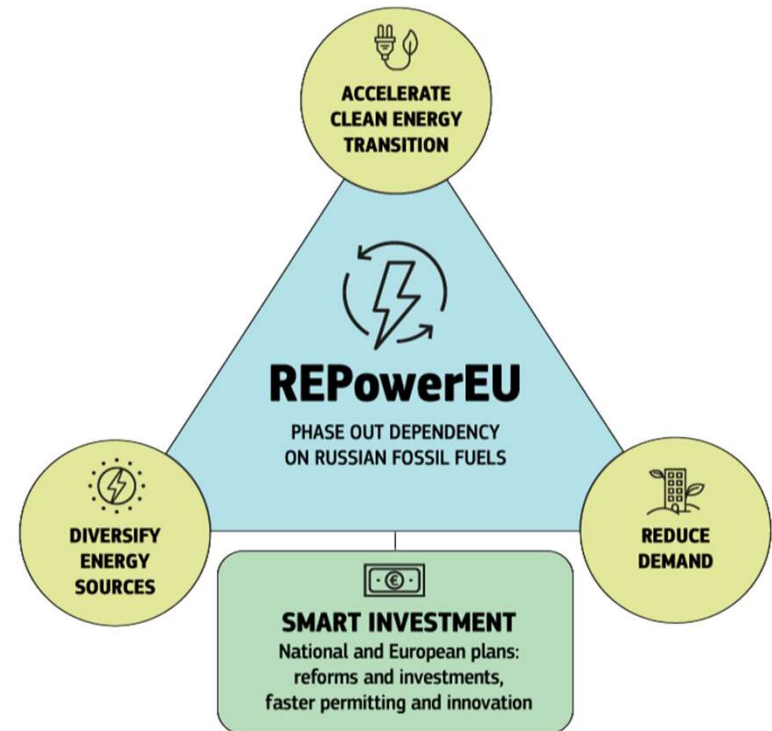
# REPowerEU: from goals to actions

## Independence from Russian fossil fuels by 2027

- Increase imports of **liquefied natural gas** (LNG) by 50 bcm
- Increase **pipeline gas** imports by 10 bcm
- Increase **biomethane** production by 3.5 bcm
- EU-wide **energy saving** to cut gas demand by 14 bcm
- **Rooftop solar** to reduce gas demand by 2.5 bcm
- **Heat pumps** to reduce gas demand by 1.5 bcm
- Reduce gas demand in the power sector by 20 bcm by deployment of **wind and solar**

Increase the target of renewable energy from 40% to **45%** by 2030

Increase the target of energy savings from 9% to **13%** by 2030

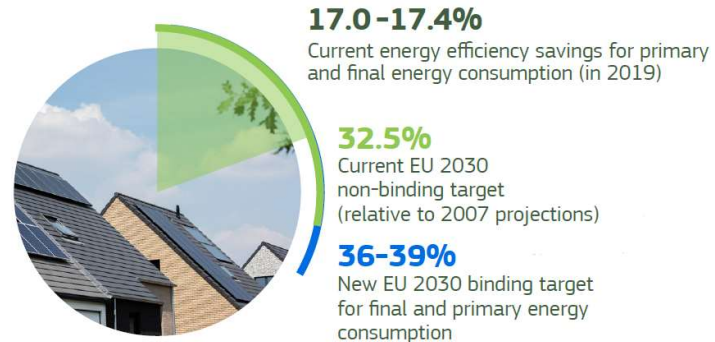


### Complemented by:

- [EU Save Energy Communication](#)
- [EU Solar Energy Strategy](#)

# Revising the Energy Efficiency Directive

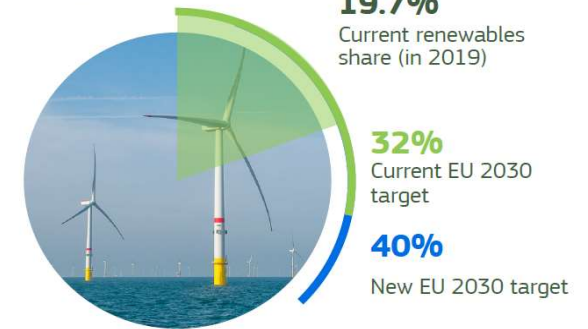
- Updated **EU energy efficiency targets to 11.7% reduction** (9% in FF55 and 13% in REPowerEU proposals) in primary and final energy consumption
- Strengthen annual **national energy saving obligations to 1,49% in average with step-wise approach** and exclusion of savings from direct fossil fuels combustion
- Reinforcement of the **Energy Efficiency First Principle** across sectors
- Update the definition of **energy efficient district heating and cooling**, introducing the **2050 trajectory for efficient district heating and cooling system**, and introduce **local heating and cooling plans** for municipalities (over 50.000).
- Update **thresholds for energy audits (10TJ/year)** and **energy management system requirements (85TJ/year)** for enterprises
- Increase the **exemplary role from the public sector: annual reduction of 1.9% of public sector energy consumptions**, increase the annual renovation rates to 3% of the public buildings over 250 m<sup>2</sup>.
- Reinforces **provisions on financing** to leverage further private capitals
- Introducing measures to alleviate **energy poverty and boost consumer empowerment**



# Revising the Renewable Energy Directive

- Increase **RES target by 2030 to 42.5%** (40% in FF55 and 45% in REPowerEU proposals) with additional indicative 2.5% share and a new indicative target of 5% for innovative technologies.
- Increased **renewables ambition in key sectors: heating and cooling** (mandatory annual increase of 1.1% RES share), **transport** (GHG reduction or RES share), **industry** (indicative 1.6% annual targetshare and binding 42% 2030 target of renewable hydrogen), **buildings** (indicative 49% target by 2030).
- Complementing REPowerEU targeted amendment on accelerating **RES permitting, overriding public interest and 'go to areas'**
- Boosting the deployment of and the investment in renewable energy, including **small-scale RES in buildings and local renewable energy communities**.
- **Sustainable bioenergy reinforced criteria** in line with the EU Biodiversity Strategy, **ensuring application to also small scale installations (7.5MW)** and that forest biomass is not sourced from relevant biodiversity and carbon stock areas.
- Measures to foster Energy System Integration via electrification and increase uptake of **RES in centralised district heating and cooling systems** via waste heat uptake.

Renewables in the EU energy mix



# Revision of the Energy Performance of Buildings Directive - Focus areas

**Twofold objective:** → Contribute to **reducing buildings' GHG emissions and final energy consumptions by 2030**

→ Provide a long-term vision for buildings and ensure an adequate contribution to achieving **climate neutrality in 2050**

## ***Renovation***

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

## ***Decarbonisation***

- Introduction of zero-emission buildings as new standard for new buildings
- Consideration of whole life cycle carbon
- Phasing out incentives for fossil fuels and new legal basis for national bans

## ***Financing***

- Sustainable finance and energy poverty alleviation
- Energy Performance Certificates database
- Deep renovation standard
- Renovation passports for individual buildings

## ***Modernisation & system integration***

- Infrastructure for sustainable mobility
- Smart Readiness Indicator
- Indoor air quality: ventilation and other technical building systems

## Other key-initiative

### Revision Electricity Market Design

- Accelerate/accommodate further renewables and phase-out fossil fuels
- Better protect consumer from price volatility and enhance their participation

[Link](#)

### Digitalising the energy system

- Support digital tools and services to help consumers and enterprises monitor their energy consumption and further energy system integration
- Monitor energy consumption and increase energy system integration of ICT sector;

[Link](#)

### Net-Zero Industry Act and Green Deal Industrial Plan

- Scale up manufacturing of clean energy technologies in the EU
- Facilitate access to market and enhance skills for clean energy transition

[Link](#)

### Sustainable Finance and unlocking private financing

- Enable the framework to develop innovative financing solutions and financial products for investment in sustainable energy
- Mainstream sustainable energy investments in the financial sector and support EU Taxonomy alignment

# Thank you

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