

27 ottobre 2021, Fiera Key Energy, Rimini Expo Centre

## IL PACCHETTO FIT FOR 55 E LA STRATEGIA EUROPEA PER LA DECARBONIZZAZIONE



# UTILITALIA

FEDERAZIONE UTILITIES

acqua | ambiente | energia

# KEY ENERGY

THE RENEWABLE ENERGY EXPO



# UTILITALIA: who we are

Utilitalia is a federation of nearly 450 multiutilities operating in water, environment, electric energy and natural gas supply chains. The associated members are represented among National and European institutions

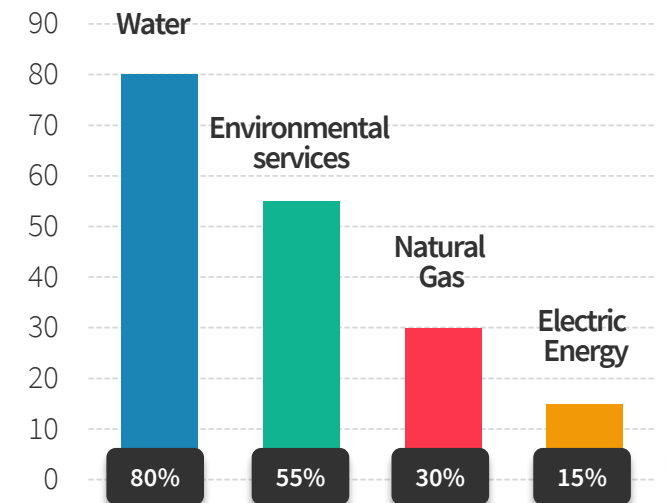
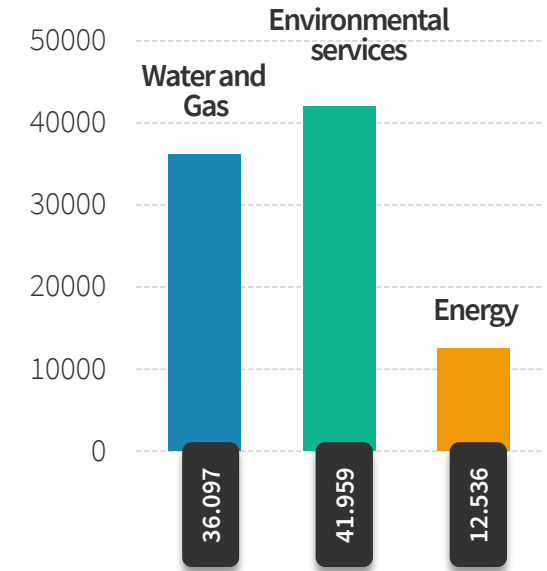
## Employees

90.592

TOTAL PRODUCTION VALUE  
**40** Billions €

NET PROFIT  
**1,3** billions €

Percentage of National population supplied by the services of our associated members



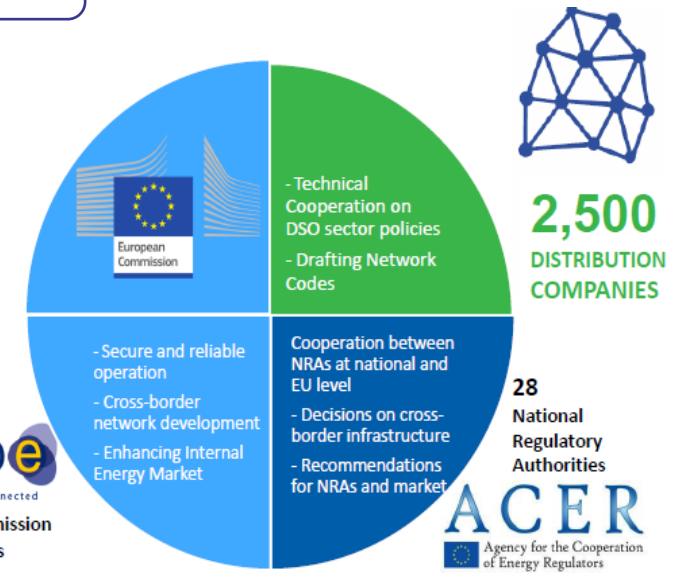
# UTILITALIA in the energy policy scenario



## EU DSO Entity:

- One voice for the electricity DSOs on technical matters
- An equal footing with TSOs on Network Codes notably when it comes to the drafting of **network codes**

**entsoe**  
Reliable Sustainable Connected  
42 Transmission Companies



UTILITALIA interacts with the main European and National stakeholders, about generation, trading, distribution and sales of electric energy, trading, distribution and sales of natural gas, district heating, RES, waste to energy, e-mobility, biomethane, hydrogen, energy efficiency and more

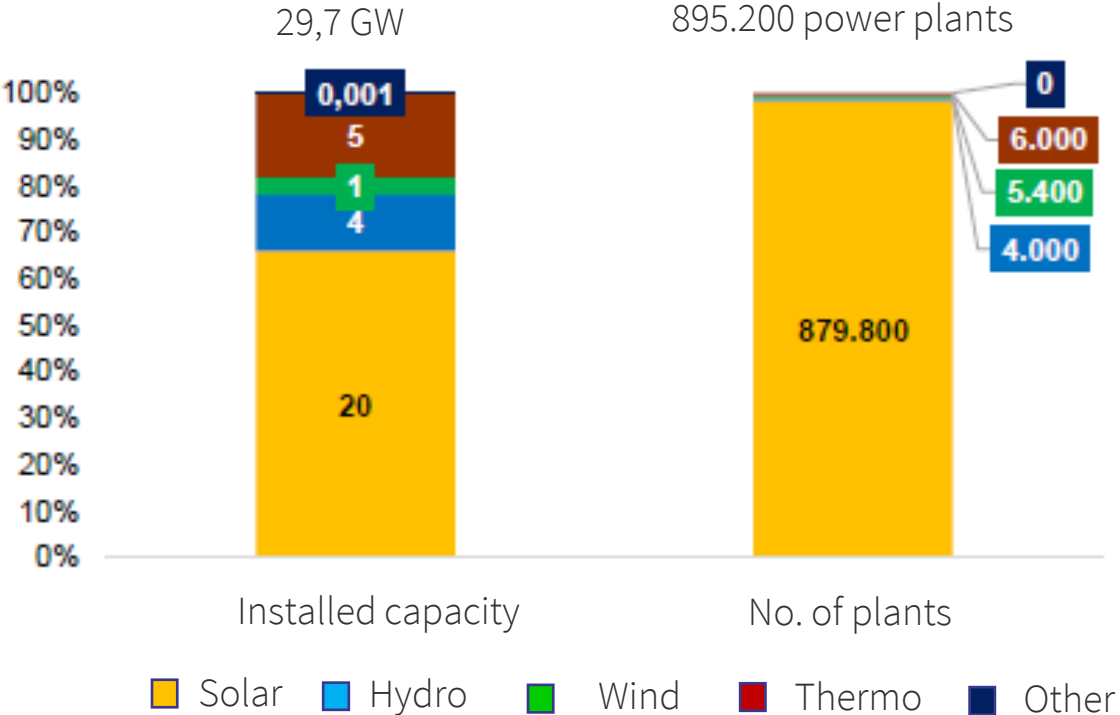
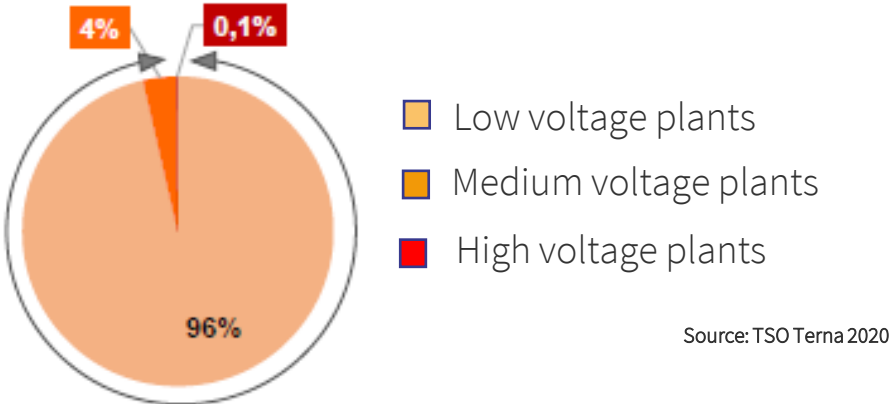
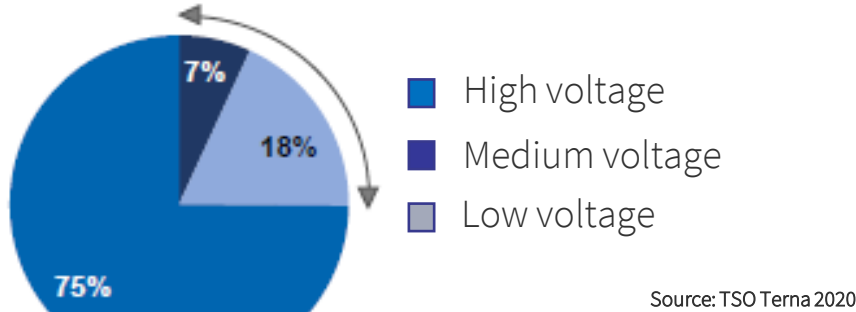
# FIT for 55: main points

- GHG ETS reduction of 55% by 2030 (CEP: reduction of 43%)
- Renewable energy consumed in EU = 40% of mix (in CEP = 32%. For Italy: RES 30%; RES-E 55%)
  - CEP RES targets for Italy (PNIEC):
    - From 20 GW to 52 GW solar
    - From 10 to 19 GW wind
- Mandatory reduction of 13% by 2030 of carbon intensity of energy used for transport
- Compulsory RES annual increase of 1,1% for heating and cooling
- For industry, indicative target of an annual average increase of renewable energy of 1.1%, binding target of 50% for renewable fuels of non biological origin used as feedstock or as an energy carrier
- 2,6% sub-target for RFNBOs in transport
- Reduction 36% of final consumption of energy and reduction 39% of primary energy consumption (levels 2007)

➔ The FIT for 55 package will require a more relevant role for DSOs: most of new RES capacity is expected to be connected to distribution grids. EU DSO ENTITY can be an added value

# Distributed generation in Italy

- Distributed generation is currently around the 25% of the total Italian generation capacity: 29,7 GW of 118 GW
- 895.200 low and medium voltage power plants on a total of 896.300



Fit for 55 will lead to an additional remarkable increase of potential congestion criticalities on distribution grid level. Italian NRA recently issued a first experimental regulation to enable DSOs pilot projects for local despatching solutions (ARERA act 352/2021/R/EEL).

# THE EU DSO ENTITY: main duties

- Promote DSO grids development in coordination with TSOs
- Facilitate RES integration, distributed generation and power storage
- Support demand side flexibility
- Contribute to digitalization of distribution grids
- Facilitate cybersecurity and data protection, in accordance with competent authorities
- Participate to the definition and actuation of those network codes that are relevant for the operational effectiveness of distribution grids and for the cooperation with TSOs
- Put in place best practices regarding data exchange and interoperability between DSOs and TSOs

# Some final remarks

- The significant RES growth by FIT for 55 will increase distributed generation and reinforce DSOs key role in the energy transition
- Urgent necessity to assure a coherent remuneration for the regulated assets, to promote their financial stability and operational efficiency: needed more investments to guarantee smart, flexible and effective distribution grids required to sustain ambitious RES targets
- Pilot projects for local despatching will have to be rapidly encouraged: a stable remuneration could be relevant for the startup phase