





#### 18<sup>th</sup> IAEE EUROPEAN CONFERENCE REGULATORY CHALLENGES FOR THE EUROPEAN ELECTRICITY MARKETS IN A RENEWABLE-BASED ENERGY SYSTEM: THE EU NEW MARKET DESIGN



Alessandro Lagostena Energy Studies & EU Affairs

26<sup>th</sup> July, 2023

### A LONG HISTORY...



<sup>(2)</sup> The closing of the solar acquisition in Spain (92MW) took place on January 31, 2022 <sup>(3)</sup> The closing of the solar acquisition in Spain (25MW) took place on June 30, 2023

Wind: ERG acquires 172MW in Italy, and starts up about 230MW among

### ERG AS OF TODAY: A SOLID PLATFORM OF ASSETS TO BOOST FUTURE GROWTH





- (1) Include i parchi eolici Creagh Riabhach (92 MW, entrato in esercizio il 12 gennaio, 2023), e Sandy Knowe (86 MW entrato in esercizio in due fasi, rispettivamente il 13 ottobre e il 16 dicembre 2022)
- <sup>(2)</sup> Si riferisce al parco eolico Furuby (62 MW), entrato in esercizio il 25 novembre 2022
- <sup>(3)</sup> Si riferisce a Polonia, Romania e Bulgaria
- <sup>(4)</sup> Include 26MW di capacità addizionale al parco eolico Monreale-Partinico, a seguito completamento delle attività di repowering in data 14 giugno 2023
- <sup>(5)</sup> Include il parco fotovoltaico a Fregenal (25 MW), entrato in esercizio il 30 giugno 2023, data del perfezionamento dell'acquisizione
- <sup>(6)</sup> II Repowering è indicato su base lorda

#### ERG: BUSINESS PLAN 2022-2026 KEY TARGETS



#### CURRENT FEATURES ON MARKET CONTEXT COMPARED TO PREVIOUS 2022-26 BP

- High volatility and increased levels in (gas and) electricity prices
- Decarbonization <u>&</u> energy security: renewables at the heart of energy transition
- Decarbonization <u>vs</u> energy security: fossil fuel phase out / the future of nuclear are unclear
- A tourbillon of emergency interventions at a national and EU level against high prices but also RES generators (!)



 Need for an Electricity Market design "mild reform" within the current EU Parliament's term of office

 $\bigcirc$ 

# ENERGY&STRATEGY (POLIMI): LAST CALL FOR RENEWABLES

• Despite the potential, the RES growth in Italy (and not only) lags behind the 2030 targets



### **EMD REFORM – MAIN FEEDBACKS**

# Overall: positiv

- The move to long-term contracts on a voluntary basis to support long-term investments and shield energy bills from fluctuations of short-term market prices, in particular from fossil fuel rump-ups
  - > it is a smooth beginning of the **exit from the energy only markets**
  - > ... towards a **RES-driven era** (high upfront costs)
- CfDs through auctions as the core-instrument and PPAs as hedging solutions
- **Repowering and life extension investments** sit within the notion of "**new investments** for the generation of electricity"
- It should mark the end of the Council Emergency Regulation on inframarginal Price Cap and fragmented interventions of Governments
- CRMs are no longer a "last resort" tool / promotion non-fossil participation in new and existing mechanisms

# EMD REFORM – POSSIBLE ISSUES / 1

# The devil is in detail

#### The endless debate RES – nuclear slows down the negotiations

- time to market out of this decade environment (nuke waste)
- public opposition -
- reliability (France's experience) costs (experiences in Europe)

  - nuclear is for baseload



- CfDs
  - more liquidity  $\rightarrow$  make tariffs and permitting "fit for the purpose"
  - locational signals... but consider the RES source!
  - repowering: need of a fair level playing field with new projects with no reduction in tariffs, valuing the soil-saving

#### • What for existing RES units?

- standard PPAs / CfDs
- Flexibility and related
  - peak shaving as an emergency-related product
  - flexibility up to Member States' evaluation (complexity, market stability)
  - how to merge flexibility products with ancillary services market and CRMs
  - storage must reach an adequate revenue stacking for driving investments to the required level

#### • CRMs

climate-compatible design allowing storage, demand response and renewable generators' participation

#### WRAP UP

- Need to a **step-change** in the decarbonization pace, we are not doing enough
- EMD must play its role, from «energy-only» to a decoupled market to express the right price signals
- Besides, we must **stop any extraordinary interventions of Governments and Union** in power markets, which further slow-down investments in RES
- CfDs are confirmed as the most suitable instrument to drive the RES deployment but they must be given new liquidity: tariffs linked to the real cost of technologies, quicker and easier permitting procedures
- Repowering must play at the same level with green-field projects  $\rightarrow$  no tariff reduction
- Flexibility ad CRMs need a more climate-compatible design and the right integration together and with other markets, to give to storage the correct revenue stacking
- Time matters: the current legislation will expire by early 2024 → no rush changes that we will regret.

# ERG

# EVOLVING ENERGIES

www.erg.eu

@ERGnow @ERGcareers @ERG\_France @erg\_uk

@erg\_now in ERG SpA ERGFrance D ERGnow