

# Technical support to the Energy Community and its Secretariat to assess the candidate Projects of Energy Community Interest in electricity, smart gas grids, hydrogen, electrolysers, and carbon dioxide transport and storage, in line with the EU Regulation 2022/869

## - Data collection and clarification, country specific data -

TEN-E (PECI) Groups meeting – 2<sup>nd</sup> joint meeting of the “Electricity” and “Gases” Groups

18 April 2024

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# Data collection

- **Country-specific questionnaires** – used to collect input data on **electricity and gas(es)** markets and infrastructure for Energy Community Contracting Parties
- Collected input data will be used to develop market models of all CPs in order to assess candidate projects taking into account relevant market conditions in each country for the period **until 2050**
- Questionnaires and required data are categorized:
  - **Electricity related:** Thermal, Hydro, Wind and Solar, Batteries, Demand, NTC
  - **Smart gas grids, hydrogen, electrolysers and carbon dioxide related:** Demand, Interconnections, Storages, Fields

# Data questionnaire - Electricity

- **Thermal**

- **General data** – name/unit, Pmin&Pmax, commissioning, fuel type
- **Techno-economic parameters** – heat rate, VO&M, maintenance & FO data, min up/down time, ramp up
- **Must run obligations**

- **Hydro**

- **General data** – name/unit, Pmin&Pmax, commissioning, fuel type
- **Technical parameters** – storage size, Pmin&Pmax for PSHPPs, pump efficiency, biological minimum production
- **Average monthly hydro inflows/generation**

- **RES** – wind & solar total installed capacity for 2030 (NT), 2040 (NT), 2050 (DE)
- **Batteries** – commissioning, Pmax gen, Pmax load, storage capacity, efficiency
- **Demand** – total electricity demand for 2030 (NT), 2040 (NT), 2050 (DE)
- **NTCs** – NTCs to neighbouring countries in both directions for 2030, 2040 and 2050

# — Data questionnaire – Gas(es)

- **Demand** – hourly demand for 2030, 2040 and 2050 for natural gas & hydrogen
- **Interconnections** – name, type, commissioning, from/to, max daily flow, transmission fee at entry and exit
- **Storages** – name, type, commissioning, max volume, initial volume, daily injecting and withdrawal capacity
- **Fields** – name, type, commissioning, max & min daily production

# Submitted questionnaires

	AL	BA	GE	MD	ME	MK	RS	UA	XK
Electricity			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
Gas(es)		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						

*\*deadline for country-specific questionnaire submission prolonged until 17<sup>th</sup> of April*

# Submitted questionnaires

- **Electricity** – GE, ME, MK, MD
  - GE – no additional data necessary
  - ME – RES data not in line with TYNDP
  - MK – some of the provided data not in line with TYNDP scenarios (demand, wind&solar capacity – TYNDP data will be used
  - MD – average monthly generation for RoR HPPs missing
  - XK – average monthly generation for some RoR HPPs missing, wind and solar capacities in 2050 not available
- **Gas(es)** – BA, GE
  - BA – no general data and no demand given
  - GE – hourly demand data not provided

# Missing questionnaires

- Other countries still to confirm/adjust the filled-out electricity questionnaires and to fill-out gas(es) questionnaire
- It should be kept in mind that the data **should correspond to TYNDP 2022 NT (2030 & 2040) and DE (2050)** scenarios (emphasis on electricity)
- Please fill out as much data as possible or confirm the data provided by the Consultants



# Q & A

# Thank you for your attention



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