

# ENTSOG consultation on hydrogen and natural gas TYNDP 2022

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A Eurelectric response paper

Eurelectric represents the interests of the electricity industry in Europe. Our work covers all major issues affecting our sector. Our members represent the electricity industry in over 30 European countries.

We cover the entire industry from electricity generation and markets to distribution networks and customer issues. We also have affiliates active on several other continents and business associates from a wide variety of sectors with a direct interest in the electricity industry.

## We stand for

The vision of the European power sector is to enable and sustain:

- A vibrant competitive European economy, reliably powered by clean, carbon-neutral energy
- A smart, energy efficient and truly sustainable society for all citizens of Europe

We are committed to lead a cost-effective energy transition by:

**investing** in clean power generation and transition-enabling solutions, to reduce emissions and actively pursue efforts to become carbon-neutral well before mid-century, taking into account different starting points and commercial availability of key transition technologies;

**transforming** the energy system to make it more responsive, resilient and efficient. This includes increased use of renewable energy, digitalisation, demand side response and reinforcement of grids so they can function as platforms and enablers for customers, cities and communities;

**accelerating** the energy transition in other economic sectors by offering competitive electricity as a transformation tool for transport, heating and industry;

**embedding** sustainability in all parts of our value chain and take measures to support the transformation of existing assets towards a zero carbon society;

**innovating** to discover the cutting-edge business models and develop the breakthrough technologies that are indispensable to allow our industry to lead this transition.

Dépôt légal: D/2023/12.105/24

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May 2023

## Identification

1. What is the name of organisation that you represent? [mandatory]

Eurelectric

2. How would you describe your organisation? Association (specify), Project promoter, end user, network user, trader, other (specify)?

Association (Industry association involved in electricity, gas, and hydrogen markets)

3. What is your name? [mandatory]

Alessandro Zappi

4. What is your email address? [mandatory]

azappi@eurelectric.org

5. ENTSOG intends to publish the results of this public consultation. If your response should remain confidential, please indicate it below. [mandatory]

a. My response can be disclosed on behalf of the Organisation I am representing

b. My response should only be disclosed anonymously

c. My response should not be disclosed

## General information

6. Do you have a former experience in reading ENTSOG and/or ENTSO-E TYNDPs?

a. ENTSOG TYNDP 2020

b. ENTSO-E TYNDP 2020

c. ENTSOG's or ENTSO-E's previous TYNDP editions

d. None

7. Did you or someone on behalf of your organization participate in the ENTSOG TYNDP 2022 Stakeholder engagement process?

- a. Yes
- b. No

8. What are the TYNDP elements most valuable for your activity? [tick boxes – multiple choices possible]

- a. Joint ENTSOG and ENTSO-E Scenarios
- b. Infrastructure Report: Information on infrastructure projects
- c. Infrastructure Report: Information on how hydrogen is addressed in TYNDP 2022
- d. System Assessment Report: Identification of the dual-gas (hydrogen and methane) infrastructure needs
- e. System Assessment Report: Information on how REPowerEU ambitions were included
- f. System Assessment Report: Assessment of TYNDP projects
- g. Information on the TYNDP modelling (Annex D)
- h. Other: please specify [free text – 500 characters max]

13. ENTSOG introduced a number of new elements in TYNDP 2022. Please indicate which one(s) you find the most valuable? [tick boxes – multiple choices possible]

- a. Four new project categories (RET, HYD, BIO, OTH), and their assessment
- b. Dual-gas modelling and presentation of the results of both
- c. Two hydrogen infrastructure levels allowing to assess different evolution of the hydrogen infrastructure in the future
- d. Evolution of the visualization platform
- e. Different maps for methane and hydrogen Infrastructure
- f. Other, please specify [free text – 500 characters max]

## Infrastructure

15. For the first time, ENTSOG collected projects related to the Energy Transition in four different groups: New or repurposed infrastructure to carry hydrogen (HYD) \ Projects for retrofitting infrastructure to further integrate hydrogen (RET) \ Biomethane development projects (BIO) \ Other infrastructure-related projects (OTH). This project collection is meant to improve the transparency and provide information on the energy transition from an infrastructure perspective, including the renewable generation and decarbonisation capacities. Do you find this approach relevant in the context of the recent European strategies (Green Deal, REPowerEU, Hydrogen and Energy System Integration)?

- a. Yes
- b. No

17. ENTSOG introduced two Hydrogen infrastructure levels to assess the different infrastructure storylines: project-based and policy-based to better understand possible developments. Do you find it valuable?

a. Yes

b. No

### Assessment

ENTSOG endeavoured to increase the usability of the System Assessment in different ways. Please specify whether these were useful to you (Q19 - Q22):

21. The focus on security of supply aspects in the context of dependence from Russia:

a. Yes

b. No

22. Presentation of the results showing impact on dual gas system:

a. Yes

b. No

25. ENTSOG provides the description of the modelling tool and modelling methodology as part of Annex D. Is this information valuable to you?

a. Yes

b. No

### Towards TYNDP 2024

27. TYNDP 2024 will build on new categories of infrastructure projects defined in the new TEN-E regulation, a new CBA methodology (entsog.eu/modelling methodologies) and more innovations in regard to Interlinked Modelling. Would you find it valuable?

1. Yes

2. No

29. Do you find valuable to have further insights in CC(U)S developments?

• Yes

• No



Eurelectric pursues in all its activities the application of the following sustainable development values:

Economic Development

- Growth, added-value, efficiency

Environmental Leadership

- Commitment, innovation, pro-activeness

Social Responsibility

- Transparency, ethics, accountability



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