

Public Consultation

Introduction

ENTSOG has launched the public consultation of the draft TYNDP 2022 which assesses the hydrogen together with natural gas infrastructure over the next 20 years along three 3 different scenarios achieving the European Energy and Climate goals.

We now consult on the TYNDP report, with two main objectives:

- Receive your feedback on **TYNDP 2022**, which together with ACER Opinion will be used to publish the final version in July 2023
- Consider what can be improved for the already started **TYNDP 2024** process and the TYNDP 2024 deliverables

The consultation will be open from 11 April 2023 until 19 May 2023.

This consultation is composed of 27 questions covering the TYNDP 2022 reports and the corresponding annexes. Responses must be provided on-line and to include the respondent's name and company. **The on-line consultation is available at this [link](#).**

The Gas Quality Outlook Annex will be consulted in the frame of the TYNDP 2022 consultation process at a later point in time.

Transparency towards stakeholders is a key feature of TYNDP. ENTSOG will publish the aggregated outcome of this consultation and possibly the individual responses when indicated as disclosable.

TYNDP information

The TYNDP 2022 Executive Summary, TYNDP 2022 Reports and Annexes will be available at entsog.eu/tyndp

Upcoming events

- On 25 April 2023 ENTSOG will present TYNDP 2022 to stakeholders.
- In July 2023, after collecting stakeholder feedback and receiving ACER Opinion, TYNDP 2022 will be published as final.

Identification

1. What is the name of organisation that you represent? [mandatory]
2. How would you describe your organisation? Association (specify), Project promoter, end user, network user, trader, other (specify)?
3. What is your name? [mandatory]
4. What is your email address? [mandatory]
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]

General information

9. TYNDP 2022 is composed of 3 main reports (Scenarios, Infrastructure and System Assessment) and 4 annexes. Is TYNDP 2022 easy to read and navigate through?
 - a. very easy
 - b. easy
 - c. difficult
 - d. very difficult

10. Are the maps, graphs and tables easy to understand?

- a. very easy
- b. easy
- c. difficult
- d. very difficult

11. ENTSOG publishes all the TYNDP data on its website. Has it been useful to you?

- a. Yes
- b. No

12. Any suggestion on how to improve the TYNDP readability? [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

The Infrastructure Report provides a detailed overview of gas (hydrogen and natural gas) infrastructure projects submitted to TYNDP 2022, including in terms of progress since the previous TYNDP and further analysis. This report is supported by Annex A which provides information on the projects submitted, and by the Annex B with TYNDP Project Maps.

14. ENTSOG developed guidelines and selection criteria for projects submitted to TYNDP 2022 ([Practical Implementation Document](#)). How could the selection criteria be further improved? [free text – 500 characters max]
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
16. How can it be further improved? [free text – 500 characters max]
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
18. Is there further information on projects that you would like to see reflected in TYNDP?
[free text – 500 characters max]

Assessment

The Assessment chapter consists of the identification of the infrastructure needs and the assessment of the advanced projects and projects of the 5th PCI list. The chapter is supported by Annex C (topology and capacities) and Annex D (description of the modelling tool and methodology). Simulation results will be available through a visualization platform.

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

19. Structure of the system assessment presenting results with two contrasted hydrogen infrastructure levels:

- a. Yes
- b. No

20. The data visualization platform including all results:

- a. Yes
- b. No

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

23. With TYNDP 2022, and building on the feedback received for TYNDP 2020, ENTSOG continued and adapted its approach to the consideration of hydrogen and its role in the scenarios through a dual gas system and its assessment based on the developed methodology. Further information can be found in Annex D.

How do you think it can be further improved? [free text – 500 characters max]

24. ENTSOG publishes all TYNDP assessment results on the visualisation platform allowing to go through it in a convenient way. Are these results valuable to you?

- 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

26. Do you have any suggestion on how to improve the presentation of the TYNDP results?
[free text – 500 characters max]

Towards TYNDP 2024

ENTSOG intends to release the draft version of its next TYNDP edition mid-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

28. What would be your expectations regarding the assessment of the hydrogen infrastructure in next TYNDP editions? [free text – 500 characters at most]

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

- Yes
- No

30. Can you please specify the 3 main improvements you would like to see in the next edition?

- 1. [free text – 500 characters at most]
- 2. [free text – 500 characters at most]
- 3. [free text – 500 characters at most]

Thank you for completing this questionnaire. Your responses will help us finalising TYNDP 2022 and improving TYNDP 2024.