

TYNDP 2024 public consultation on guidance documents for system and project-assessment and gas quality

19 June – 9 July

Disclosure: answers to the consultation will be disclosed on behalf of the represented organisation.

Identification

1. Your first and last name
[free text]
2. Your email address
[free text]
3. Name of the organisation you represent
[free text]
4. How would you describe the type of organisation you represent?

Drop-down list:

- European institution
- Member State
- National regulatory authority
- Market actor – demand-response operator
- Market actor – end-user
- Market actor – energy efficiency solutions
- Market actor – independent aggregator
- Market actor – network user
- Market actor – project promoter
- Market actor – trader

Associations – CCUS

Associations – electricity sector
Associations – energy consumers
Associations – EU DSO entity
Associations – gas sector
Associations – heating and cooling sector
Associations – hydrogen sector
Civil society

Other [free text]

General information

5. What are the most important TYNDP 2024 deliverables / results for your organisation?
 - a. Scenarios Report
 - b. Infrastructure Report
 - c. System Assessment Report – Hydrogen Infrastructure Gaps Identification
 - d. System Assessment Report – Other sections
 - e. Project Fiches
 - f. Maps
 - g. Other [free text]

6. Do you have any suggestion on how to improve the readability of the documents?
[free text]

Annex D1 - Implementation Guidelines (IG) for project-specific cost-benefit analyses of H2

ENTSOG is for the first time publishing draft TYNDP Implementation Guidelines. The document aims to provide detailed guidance on the elements of relevance for the project-specific cost-benefit analysis, or PS-CBA, for the 2024 assessment cycle. The results of the PS-CBA will be published as project fiches.

7. Are the explanations and illustrations in the draft TYNDP 2024 Implementation Guidelines clear and exhaustive?
 - a. Yes
 - b. No

8. (Branching: if answer to Q7 is “No”) You answered "no" to the question above. Could you please provide a brief explanation?
[free text]

9. Is there certain additional information that you would like to see reflected in the TYNDP 2024 Implementation Guidelines?
 - a. No
 - b. Other [free text]

10. Which natural gas infrastructure level do you support to be used in the Dual Hydrogen/Natural Gas Model (DGM) for the TYNDP 2024 PS-CBA and for the TYNDP 2024 Infrastructure Gaps Identification and why?
 - a. “Low” natural gas infrastructure level
 - b. “Advanced” natural gas infrastructure level
 - c. No preference

11. Please add any comments here regarding your answer to the previous question (infrastructure levels in the DGM).
[free text]

12. Which hydrogen infrastructure level do you support to be used in the Dual Hydrogen/Electricity Model (DHEM) for the TYNDP 2024 PS-CBA and why?

- a. “PCI/PMI” hydrogen infrastructure level
- b. “Advanced” hydrogen infrastructure level
- c. No preference

13. Please add any comments here regarding your answer to the previous question (infrastructure levels in the DHEM).

[free text]

14. Do you support the application of a seasonality of natural gas prices in the TYNDP 2024 PS-CBA that influences the production cost of hydrogen from natural gas as described in the TYNDP 2024 Implementation Guidelines?

- a. Yes
- b. Yes, but with different parameters (please specify in next question)
- c. No (please specify in next question)
- d. No preference

15. (Branching: if answer to Q14 is “Yes, but [...]” or “No”) Please add any comments here regarding your answer to the previous question (seasonality of natural gas prices).

16. Do you support the application of the alternative fuel approach in the TYNDP 2024 PS-CBA as described in the draft TYNDP 2024 Implementation Guidelines?

- a. Yes
- b. Yes, but with different parameters (please specify in next question)
- c. No (please specify in next question)
- d. No preference

17. (Branching: if answer to Q16 is “Yes, but [...]” or “No”) Please add any comments here regarding your answer to the previous question (alternative fuel approach).

[free text]

18. Which frequency of hydrogen supply disruption do you propose to be used in the TYNDP 2024 PS-CBA to qualify for the shift of hydrogen demand to alternative fuel demand and why?

[free text]

19. Which willingness to pay (WTP) values do you propose to be assumed for the alternative fuels, i.e., natural gas and light oil? Please provide a source of information or another form of justification for the proposed values.

Note: the WTP values should be lower than for hydrogen.

[free text]

20. Do you consider the European Investment Bank values for the societal cost of carbon appropriate for the calculation of the *GHG emissions variations indicator* (B1) in the TYNDP 2024 PS-CBA as proposed in the draft TYNDP 2024 Implementation Guidelines?

- a. Yes
- b. No (please specify in next question)
- c. No preference

21. (Branching: if answer to Q20 is “No”) Please add any comments here regarding your answer to the previous question (societal cost of carbon).

[free text]

22. Do you propose another approach for the *non-GHG emissions variations indicator* (B2) than the one proposed in the draft TYNDP 2024 Implementation Guidelines?

- a. No
- b. Other [free text]

23. Do you support the usage of the European Environment Agency values for the VOLY cost or the VSL cost to be used in the TYNDP 2024 PS-CBA for the *non-GHG emissions variations indicator* (B2)?

- a. VOLY
- b. VSL
- c. No preference
- d. Other [free text]

24. Do you support that the *increase of market rents indicator* (B4) covers both the electricity sector and the hydrogen sector in the TYNDP 2024 PS-CBA and is thereby aligned with the approach taken by ENTSO-E for the PS-CBA of electricity projects?

- a. Yes
- b. No, specify (please specify in next question)
- c. No preference

25. (Branching: if answer to Q20 is “No”) Please add any comments here regarding your answer to the previous question (market rents indicator coverage).

[free text]

26. Do you support to use the market assumptions listed in the draft TYNDP 2024 Implementation Guidelines for the DHEM in the TYNDP 2024 PS-CBA?

- a. Yes
- b. Other [free text]

27. Do you support that the *reduction in exposure to curtailed hydrogen demand indicator* (B5) considers 2012 as the stressful weather year, as well as the probability of occurrence and CODH value proposed in the draft TYNDP 2024 Implementation Guidelines?

- a. Yes
- b. Other [free text]

28. Should the benefit on avoidance of demand curtailment be calculated, monetized at CODH and added to the *reduction in exposure to curtailed hydrogen demand indicator* (B5) also when applicable to the reference weather years?
- Yes
 - No
 - No preference
29. Do you consider the list of benefit indicators in the draft TYNDP 2024 Implementation Guidelines as complete and satisfactory?
- Yes
 - Other [free text]
30. For hydrogen storages, the DHEM considers an energy efficiency of storage operations. This aims to reflect the energy consumption of the injection process and reduces the benefits of such projects (as the consumed energy is valued at the actual price used in the model). Do you support to therefore remove energy-related OPEX from the hydrogen storage projects' costs, to avoid double counting of these expenses in the economic performance indicators?
- Yes
 - Other [free text]
31. Do you support the sensitivities proposed in the draft TYNDP 2024 Implementation Guidelines?
- Yes
 - Other [free text]
32. Do you have any other remarks on any other part of the draft TYNDP 2024 Implementation Guidelines?
- No
 - Other [free text]

Annex D2 - Hydrogen Infrastructure Gaps Identification methodology (IGI)

ENTSOG is for the first time publishing a draft Infrastructure Gaps Identification methodology. The document aims to provide detailed guidance on the elements of relevance for the hydrogen infrastructure gaps identification, or IGI, for the 2024 assessment cycle. The results of the IGI will be published as a self-standing IGI report.

33. Do you support the definition of the hydrogen market clearing price spread indicator (IGI indicator 1) as well as the concept and values of its thresholds in the draft TYNDP 2024 IGI methodology?
- Yes
 - No opinion
 - Other [free text]
34. Do you support the definition of the curtailed hydrogen demand indicator (IGI indicator 2) as well as the concept and values of its thresholds and stress cases in the draft TYNDP 2024 IGI methodology?
- Yes
 - No opinion
 - Other [free text]
35. Should a third hydrogen infrastructure level (that contains all hydrogen projects that were accepted to the TYNDP 2024) be introduced to further investigate how less-advanced hydrogen projects could address bottlenecks that cause infrastructure gaps?
- Yes
 - No
 - No preference
36. Are the explanations in the draft TYNDP 2024 IGI methodology clear and exhaustive?
- Yes
 - Other [free text]

37. Is there certain additional information that you would like to see reflected in the TYNDP 2024 IGI methodology?

- a. No
- b. Other [free text]

Annex D3 - System Assessment methodology

ENTSOG is for the first time publishing a draft System Assessment methodology. The document aims to provide detailed guidance on deliveries of the TYNDP 2024 that are not linked to the PCI/PMI selection process of hydrogen projects. The results of the System Assessment will be published as a System Assessment report.

38. Are there any assumptions in the draft TYNDP 2024 System Assessment methodology that you would propose to change?

- a. No
- b. Other [free text]

39. Are the explanations in the draft TYNDP 2024 System Assessment methodology clear and exhaustive?

- a. Yes
- b. Other [free text]

40. Is there certain additional information that you would like to see reflected in the TYNDP 2024 System Assessment methodology?

- a. No
 - b. Other [free text]
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Long-term Gas Quality Monitoring Outlook

Art. 18 of the Interoperability and Data Exchange Network Code requests ENTSG to publish every two years a long-term gas quality monitoring outlook. The goal of the analysis is to identify the potential trends of gas quality parameters and respective potential variability within the next 10 years.

The report that will be carried out by ENTSG in parallel with the TYNDP 2024 is going to show the average gas quality parameters in the main corridors in Europe. Additional information about the methodology is available in the latest edition of the Gas Quality Outlook (https://www.entsog.eu/sites/default/files/2023-12/INT2558_23_TYNDP_2022_Annex_GQ_Outlook.pdf).

ENTSG is consulting stakeholders on the input data needed for the development of the upcoming Gas Quality Outlook: average and standard deviation of Wobbe Index and Gross Calorific Value of the gas supply sources in Europe. The evolution of the average of Wobbe Index and Gross Calorific Value for different supply sources in the EU in the recent years is available here: <https://www.entsog.eu/sites/default/files/2024-06/GASQUA~1.XLS>

The values collected in 2024 are suggested as input for the upcoming edition of the Gas Quality Outlook.

41. Would you have any suggestion on how to further develop the Long-term Gas Quality monitoring outlook? (e.g., sharing inputs for the reference values of gas quality parameters, sharing views on the evolution of these parameters, etc.)
- No
 - No opinion
 - Other [free text]

Thank you for filling-in this questionnaire. Your responses will help us finalise the methodological documents for system and project-level assessments for the TYNDP 2024.