

Public consultation on TYNDP 2024 scope of studies and stakeholder engagement plan

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Scope of this public consultation

This public consultation covers the following studies that are part of the TYNDP: the identification of system needs, and the cost-benefit analysis of projects. It also covers the stakeholder engagement plan for each study.

Not in the scope of this consultation are scenarios, which follow a separate consultation process organised jointly with ENTSOE, with two public consultations planned in 2023. Also excluded from the scope of this consultation is the CBA Guideline (CBA 4) which is not part of the TYNDP 2024 package and on which a public consultation already took place from December 2022 to February 2023. Finally, the newest component of the TYNDP, the Offshore Network Development Plans per sea basin, are not in the scope of this consultation either because the legal deadline for their release set by the TEN-E Regulation – 24 January 2024 – falls in the middle of the TYNDP 2024 cycle and therefore makes it necessary to separate their development and consultation process from that of other TYNDP 2024 deliverables.

TYNDP 2024 scope of studies

The studies included in the TYNDP 2024 will include:

- Information on future system needs. This includes the Identification of system needs (IoSN) study and a study on system dynamic and operational challenges (Related deliverables: System needs report, System needs study implementation Guidelines, Dynamic challenges report, data visualisation platform, regional investment plans)

- The cost benefit analysis of projects (Related deliverables: List of projects assessed, Online project sheets, CBA Implementation Guidelines)
- Offshore network development plans (the pilot edition will be released by the legal deadline of 24 January 2024, not in the scope of this consultation).

The TYNDP 2024 Identification of System needs study

About the study:

The System needs study is carried out by ENTSO-E biannually as part of the TYNDP. System needs show where new solutions are needed to contribute to reaching European decarbonisation targets and keep security of electricity supply and costs under control. In a nutshell, the methodology consists in determining the combination of potential increases in cross-border network capacity that minimize the total system costs, composed of total network investment (including costs of related necessary internal reinforcements) and generation costs. The System needs study is an evolving tool to manage increasing uncertainty in the context of the energy transition and the EU Green Deal ambitions. Its methodology and scope improve with each new edition.

Needs identified in the TYNDP 2024 System needs study may lead to the refining of existing projects and to the development of new projects addressing those needs in TYNDP 2026. These projects may be developed and assessed in future national development plans and TYNDPs.

For reference: Relevant resources in TYNDP 2022 [Main report on the results of the system needs study](#) – [Regional investment plans](#) - [System needs study Implementation Guidelines](#)

Proposed scope of the Identification of System needs study in TYNDP 2024:

Time horizon: TYNDP 2024 will investigate system needs in 2040 as a priority, to provide information to interested stakeholders on cross-border needs and potential gaps. ENTSO-E considers the 2040 horizon to be the most relevant for this exercise because it is far enough in future so that project promoters, policy-makers and other stakeholders can take action, by proposing solutions to tackle identified gaps. Developing and building infrastructure projects take 10 years or more, therefore relevant infrastructure projects due to commission by 2030 are already under development today. A study investigating the 2030 horizon may be performed, to identify infrastructure gaps in that horizon. Furthermore, a study investigating the 2050 horizon may be performed to evaluate the robustness of the needs identified in 2040.

Scenarios: The IoSN study will be performed on the National Trends+ (NT+) scenario, which is currently under development. This scenario will be in line with National Energy and Climate Plans (latest data of December 2022).

To complete the analysis and compare findings in different potential futures, an analysis will be performed on variance scenarios, deviations from National Trends+ capturing uncertainty in

reaching EU targets, based on the output of the scenario building exercise (the TYNDP 2024 Scenarios storylines will be released in June 2023).

Methodology: We expect that the methodology will be very similar to the one implemented in TYNDP 2022, which received overall positive feedback from stakeholders and from ACER, with a few improvements. A public consultation on potential improvements to the methodology for the IoSN study will be organized in late Q2/early Q3 of 2023, before the start of the study in end 2023.

The TYNDP 2024 Cost-Benefit Analysis of projects

The draft Guidance for project promoters, which sets the requirements and process to submit projects to TYNDP 2024, will be released for public consultation in June 2023. TYNDP 2024 will open a call to project promoters to submit their projects in September of 2023. After verification of the compliance of projects with qualification criteria, ENTSO-E will perform a Cost-Benefit Analysis (CBA).

About the CBA:

A project can have various impacts on the electric system. ENTSO-E has developed Costs-Benefits Analysis Guidelines for the European Commission that describe how best to assess these impacts for each project, considering social, economic, and environmental considerations.

This framework assesses issues such as the potential for reducing emissions, stability, flexibility, capital and operating costs, mitigation of loss of power over long-distance transmission and integration of renewable energy into existing systems, for example by connecting offshore power to a grid.

For reference: Relevant resources in TYNDP 2022 [CBA Implementation Guidelines](#) – [Online project sheets containing CBA results](#)

Proposed scope of the CBA for TYNDP 2024:

Time horizon: The CBA will cover the 2030 and 2040 horizons, like in TYNDP 2022.

Scenarios: In the 2030 horizon, the CBA will be performed on one scenario which will be in line with known EU Member States approaches to reaching EU climate and energy targets as they stand at the end of Spring 2023. This scenario will be either:

- National Trends + scenario, which is in line with Fitfor55 targets;

or

- REPowerEU scenario, in line with REPowerEU targets **IF** REPowerEU targets are agreed between EU Member States by early summer 2023.

In the 2040 horizon, the CBA will be performed on National Trends + and on variance scenarios.

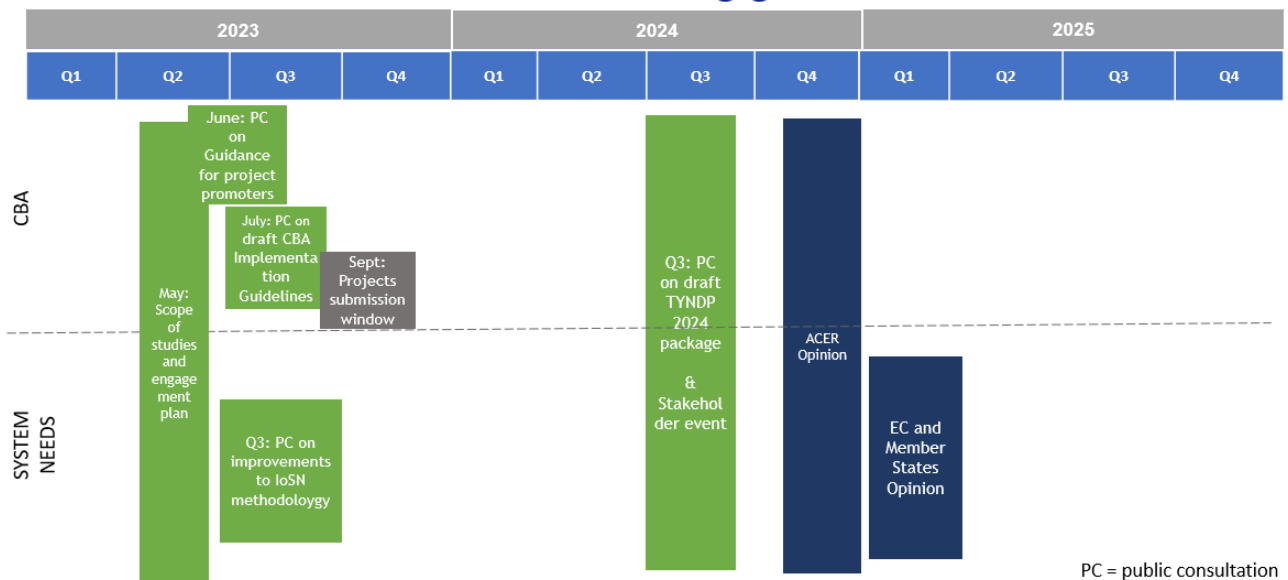
Methodology: TYNDP 2024 will implement the 4th CBA Guideline developed as required by the TEN-E Regulation and that were submitted to ACER, the European Commission and Member States on 24 April 2023. ENTSO-E will develop TYNDP 2024 CBA Implementation guidelines, detailing the implementation of the CBA Guidelines in TYNDP 2024. Draft Implementation Guidelines will be released for public consultation in July 2023.

TYNDP 2024 Stakeholder engagement timeline

General stakeholder engagement plan

Early public consultation will take place on the proposed scope of studies and planned engagement (this consultation) and on the methodologies of the two main studies.

TYNDP 2024 Stakeholder Engagement Timeline



Webinars or workshops will also take place at key steps of the TYNDP process, including at the time of release for consultation of the draft CBA Implementation Guidelines, during the consultation on the improvements to the system needs study methodology, and of course during the consultation on the draft TYNDP 2024. These events, and other to be confirmed, will be announced on tyndp.entsoe.eu and in ENTSO-E’s weekly newsletter.

Engagement plan for project promoters

Promoters of infrastructure projects pay a special role in the TYNDP process. The following plan outlines the key steps relevant for project promoters in the TYNDP 2024 process.

TYNDP 2024 – Communication to Project Promoters

Throughout 2023-2024:

- Promoters informed by email on key deadlines and documents by dedicated emails
- Information on process and deadlines are regularly updated on tyndp.entsoe.eu/Promoters corner



Key steps include:

- June 2023: public consultation on the Guidance for promoters
- September 2023: Window to submit projects to TYNDP 2024. A webinar will be organised.
- Q4 2023: Formal notification to promoters of whether their project is accepted in TYNDP 2024, and possibility to ask for a review of the decision in case a project was found non-compliant with TYNDP criteria. Publication of the draft TYNDP 2024 project portfolio.

ENTSO-E has created communication channels specific to project promoters. These include:

- the webpage ‘Promoters’ corner’ on tyndp.entsoe.eu, updated regularly with relevant events and milestones for promoters and which provides access to key documents;
- the mailing list of project promoters, to which promoters can subscribe via the Promoters’ corner page to be kept informed;
- webinars for project promoters at key steps of the TYNDP process;
- documents dedicated to project promoters, such as the user guide to the TYNDP projects platform.

What happens next

After the consultation closes ENTSO-E will review the comments received and re-evaluate the planned scope of studies when relevant. Stakeholders’ answers to this public consultation, and ENTSO-E’s answers to stakeholders, will be made public.

[Answer to this consultation on ENTSO-E’s consultation hub](#)