

ENTSOG Data Portal Handbook for supporting promoters for projects applications to TYNDP 2024

Contents

1.	Key elements	4
2.	Introduction	5
3.	TYNDP 2024.....	7
3.1.	Infrastructure Categories of projects to be submitted to TYNDP	7
3.2.	Timeline.....	9
4.	Hydrogen Topology.....	11
5.	TYNDP and PCI interaction.....	13
6.	Functionality and availability of the ENTSOG Data Portal	15
6.1.	Live Environment where to submit your application	15
6.2.	Test Environment.....	15
6.3.	Other recommendations related to ENTSOG Project Portal: which browser to use.....	16
7.	How to submit a project to TYNDP 2024	17
7.1.	How to submit a project that has not been previously submitted to TYNDP 2024.....	17
7.1.1.	Register as a Promoter: account creation	17
7.1.2.	Request a new Operator	17
7.1.3.	Request a Point creation	17
7.1.4.	Access ENTSOG Data Portal	18
7.2.	Submit a new project	18
7.3.	Edit a project part of TYNDP 2022/PCI 2023 Projects	20
7.4.	Button “Add to Grid” and how to use it	24
7.5.	How to withdraw/cancel a submission	25
8.	Other important principles.....	25
8.1.	Grouping of functionally related projects	25
8.1.1.	PRJ groups.....	25
8.1.2.	General grouping principles	26
8.2.	Costs information in the TYNDP project submission.....	27
9.	Check the Home Page – surface of the Data Portal	28
9.1.	Check the Project Validation Rules	28

9.2.	Check the Before and After Lesser of rule report	29
9.3.	Network Model.....	31
10.	Responsibility of the Project Promoter	32
11.	Conclusions	32
Annex I –Project Collection Questionnaire explained (new Projects/ edit Projects)		33

1.Key elements

Objective	Support the process of submitting applications of projects for TYNDP 2024
When to submit	Project Collection takes place from 23rd of November 2023 until 22nd of December 2023.
Where to submit	Link to ENTSOG Project collection Data Portal: https://data.pdws.entsog.eu/DataCollectionPortals
Which energy infrastructure categories	Projects aiming to develop pure hydrogen, renewable gas, natural gas or other type of gas infrastructures. Please refer to section 3.
Disclaimer	Information provided by the promoters through this application will be used for the selection of the projects to be included in the TYNDP 2024. The Project-Specific Cost-Benefit Analysis (PS-CBA) for hydrogen subcategories will be performed by ENTSOG based on the data submitted by the promoters during the TYNDP 2024 project collection process.
ENTSOG Contacts for TYNDP Project Collection	For questions regarding the Data Portal and the project collection procedure please contact: Ms. Maria Castro , Subject Manager and Project Validator for the project collection process, at: maria.castro@entsog.eu Mr. Pierre Marani , Adviser and Project Validator for the project collection process, at: pierre.marani@entsog.eu And please: Cc: projects@entsog.eu

2. Introduction

This document represents the Annex III of the “TYNDP 2024 Guidelines for Project Inclusion”.

ENTSO has created the online Data Portal to streamline the infrastructure-project collection procedure. As the project submission procedure is a critical prerequisite for the later infrastructure analysis. For the Ten-Year-Network-Development Plan (TYNDP) Project Specific Cost-Benefit-Analysis (PS-CBA) and the Project of Common Interest (PCI) and Project of Mutual Interest (PMI) application, it is of crucial importance that the promoters understand the functionality of the portal and perform a timely and accurate project submission.

ENTSO’s role in the process is to ensure that the Portal is fit for purpose and that it enables the promoters to perform the exercise in a user-friendly way. This should be achieved with the present Handbook, with the inclusion of additional documents in the Documentation Kit (Glossary, Monitoring Activities, Validation Procedures, Request Forms, Annexes) and through significant upgrades of the Project Portal itself.

The purpose of the project collection is to enable ENTSO to fulfil its tasks originated from the Regulations. The legal basis of this process is defined in Annex III.2(5) of the Regulation (EU) 2022/869 of the European Parliament and of the Council of 30 May 2022 on guidelines for trans-European energy infrastructure, amending Regulations (EC) No 715/2009, (EU) 2019/942 and (EU) 2019/943 and Directives 2009/73/EC and (EU) 2019/944, and repealing Regulation (EU) No 347/2013 (hereafter “TEN-E Regulation”): “By 30 June 2022 and subsequently for every Union-wide ten-year network development plan, the ENTSO for Electricity and ENTSO for Gas shall issue updated guidelines for inclusion of projects in their respective Union-wide ten-year network development plan, as referred to in points (3) and (4), in order to ensure equal treatment and the transparency of the process. For all the projects on the Union list in force at the time, the guidelines shall establish a simplified process of inclusion in the Union-wide ten-year network development plans taking into account the documentation and data already submitted during the previous Union-wide ten-year network development plan processes, provided that the documentation and data already submitted remains valid. The ENTSO for Electricity and ENTSO for Gas shall consult the Commission and the Agency about their respective draft guidelines for inclusion of projects in the Union-wide ten-year network development plans and take due account of the Commission’s and the Agency’s recommendations before the publication of the final guidelines.”

The present document, in combination with the TYNDP 2024 Guidelines for Project Inclusion (GPI), aims at implementing the requirement of subparagraph 1 of Annex III.2(5) of the TEN-E Regulation to ensure equal treatment and transparency of the TYNDP project inclusion process.



Figure 1: Phases and expected timeline of the project collection for TYND 2024.

A streamlined project collection procedure is organized, with a predefined timeline, during which every interested promoter can submit its projects, to be included in the Ten-Year Network Development Plan.

ENTSO-G has also developed a Legal Notice to clarify responsibilities of ENTSOG and the promoters during the project collection procedure. Every promoter shall accept this Legal Notice within the Data Portal, before submitting each of its project.

As for the previous edition, for TYNDP 2024, the submitted projects will need to comply with specific administrative and technical criteria for inclusion of projects in TYNDP, as defined in the "TYNDP 2024 Guidelines for Project Inclusion". These guidelines, in accordance with Annex III.2(5) of the TEN-E regulation, were consulted with European Commission and ACER, and their recommendations taken due account. In line with ENTSOG TYNDP 2024 GPI, project promoters are asked as part of the project collection to provide data and documents as a proof for fulfilment of the administrative and technical criteria.

In addition, submitted data (project attributes) will be shared with ACER and NRAs with the aim of improving the quality of input data and allowing NRAs to express general comments on the TYNDP 2024 projects in an early phase.

The detailed timeline is defined as follow:

Phase 1: Project Submission Phase	From 23/11/2023 until 22/12/2023	<ul style="list-style-type: none"> > New projects can be submitted > Old-projects (i.e. submitted for TYNDP 2022 or first PCI process under revised TEN-E) can be re-submitted <u>only during this timeframe. Old projects also have to be updated and then resubmitted</u> to be considered in TYNDP 2024.
Phase 2: Project Data Input Check Phase	From 23/12/2023 until 21/01/2024	<p>Project Data Check run by promoters and by ENTSOG¹. The submitted project data is checked (no corrections in the project portal are possible in this phase). ENTSOG-Promoters interaction to solve possible issues in view of phase 3.</p> <p>No projects can be submitted.</p>
Phase 3: Project Data Correction Phase	From 22/01/2024 until 11/02/2024	<p>Project Data Correction by Promoters meaning that promoters can correct any mistaken data spotted by promoter itself or ENTSOG during the phase 2.</p> <p>No projects can be submitted.</p>

As defined in the Monitoring Activities Document, ENTSOG undertakes to carry out certain manual verifications regarding the submitted data. ENTSOG will perform a consistency check on the main information required and detailed in section 3 of the TYNDP 2024 Guidelines for Project Inclusion (GPI)² and not all information provided by the project promoter. **The project promoter is thus ultimately responsible for submitting correct data and for ensuring its consistency when submitting a project.** ENTSOG will remain of course available for clarifications on questions related to the data submission, as defined in the **Contacting ENTSOG** section of this document.

3. TYNDP 2024

3.1. Infrastructure Categories of projects to be submitted to TYNDP

The European hydrogen and natural gas infrastructure will play a key role in achieving the EU energy and climate targets in 2030 and climate neutrality in 2050. For the short-term perspective natural gas and hydrogen can replace oil and coal as an energy carrier in specific areas and mitigate GHG-emissions and air pollutants significantly. Whereas, in the long-term hydrogen infrastructure will play a key role in decarbonising sectors where other alternatives might be unfeasible or more expensive.

Hydrogen and natural gas infrastructure will contribute to the development of a sustainable energy-system across the EU by:

¹ In case ENTSOG will spot any incorrect information, it will directly contact the concerned promoters.

² [TYNDP 2024 Guidelines for Project Inclusion \(entso.eu\)](https://entso.eu/TYNDP2024_Guidelines_for_Project_Inclusion)

- Enabling significant reduction of GHG-emissions;
- Mitigating air pollution by enabling significant reduction of non-GHG emissions due to the replacement of other more polluting fuels (e.g. oil or coal);
- Enhancing flexibility and security of supply by accommodating the increasing uptake of renewable energy sources;
- Utilising synergies and enabling optimal use of the available potentials of different sectors and systems (coupling of gas grids with power, heating & cooling energy and transport infrastructure).

In TYNDP 2024, projects are classified into four different categories based on the energy carrier. In addition, each main category is divided into different subcategories, as it follows:

- Hydrogen:
 - (i) Hydrogen transmission pipelines (H2T)
 - (ii) Hydrogen storage facilities (H2S)
 - (iii) Hydrogen reception facilities (H2L)
 - (iv) Hydrogen in the transport sector for mobility (H2M)
 - (v) Electrolysers for hydrogen production (H2E)
- Natural Gas:
 - (i) Gas transmission pipelines (TRA)
 - (ii) Underground storage facilities (UGS)
 - (iii) Reception and storage and regasification or decompression facilities for liquefied natural gas (LNG)
- Smart Gas Grid:
 - (i) Retrofitting projects to integrate hydrogen blends (RET)
 - (ii) Biomethane development projects (BIO)
 - (iii) Synthetic methane projects (SYN)
- Others:
 - (i) Repurposing of natural gas infrastructure for CO₂ transport and/or storage (CO₂)
 - (ii) Other infrastructure related projects (OTH)

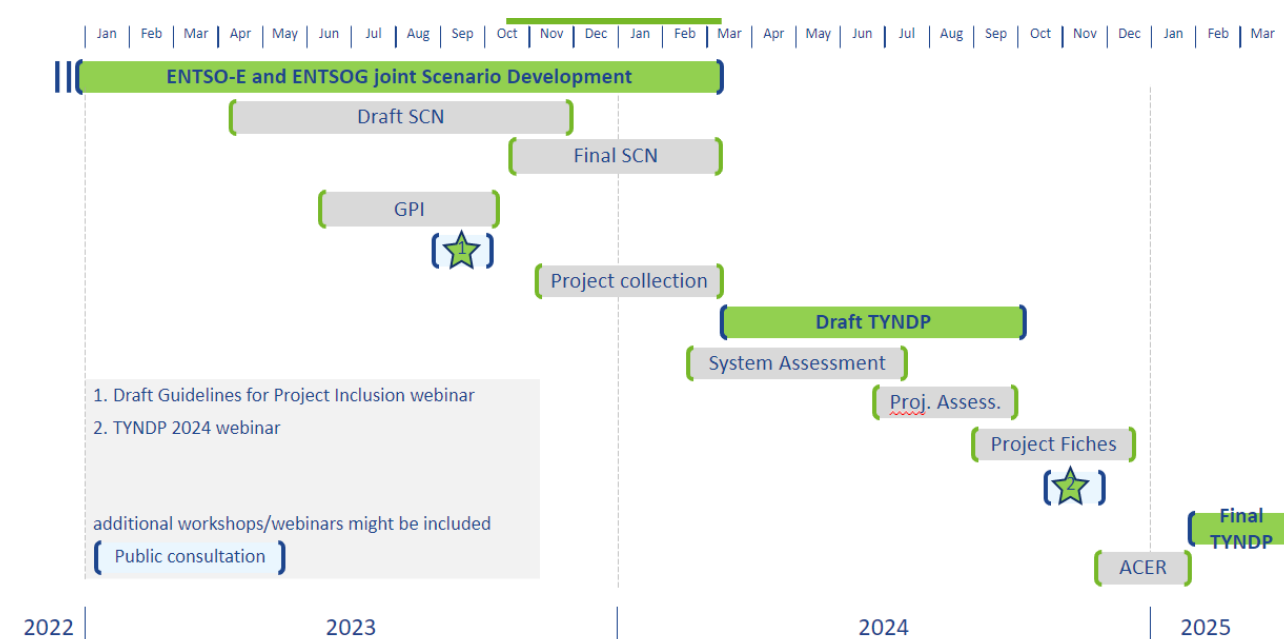
A detailed technical description for each category can be found in the section 3.3 Technical Criteria in TYNDP 2024 Guidelines for Project Inclusion (GPI)³.

Project subcategories allows for an adapted and fit-for-purpose project submission.

³ [TYNDP 2024 Guidelines for Project Inclusion \(entsog.eu\)](https://www.entsog.eu/TYNDP2024-Guidelines-for-Project-Inclusion)

3.2. Timeline

The below figure represents the ENTSOG TYNDP 2024 indicative timeline. Project promoters are invited to contact ENTSOG for the most recent version of the TYNDP 2024 timeline⁴.



Within 3 months after the close of the check and validation phase, ENTSOG will make public on its website the list of projects accepted for inclusion in the TYNDP. In advance of the TYNDP 2024 project list's publication, ENTSOG informs the relevant promoters about any rejection of their project(s) from inclusion in the TYNDP 2024 and provides the relevant justification of the rejection as summarised in the figure below.⁵

Following the project data collection, ENTSOG will use the project submitted data in its TYNDP 2024 System Assessment, and will perform PS-CBA analysis for hydrogen project subcategories H2T, H2S, H2L, H2M when submitted to TYNDP and indicated intention to apply to the following PCI/PMI process).

⁴ Draft and final publication will also depend on the engagement with external stakeholders.

⁵ For more details, please refer to section 2 "TYNDP process" from ENTSOG's Guidelines for Project Inclusion (GPI) for TYNDP 2024, [TYNDP 2024 Guidelines for Project Inclusion for Publication 0.pdf \(entso.eu\)](https://entso.eu/TYNDP%2024%20Guidelines%20for%20Project%20Inclusion%20for%20Publication%200.pdf)

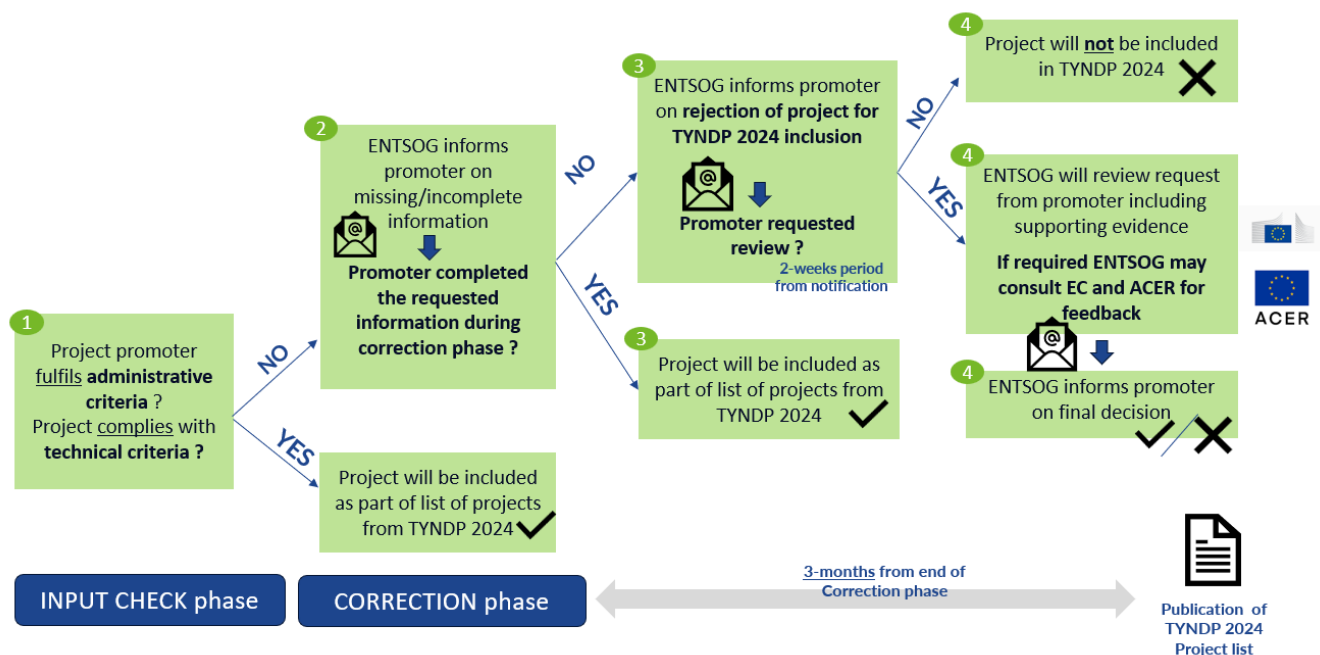


Figure 3: Flow-diagram summarizing interactions between ENTSOG and promoters during TYNDP 2024 Project submission.

4. Hydrogen Topology

A Hydrogen topology is defined by default for each country as it follows⁶:

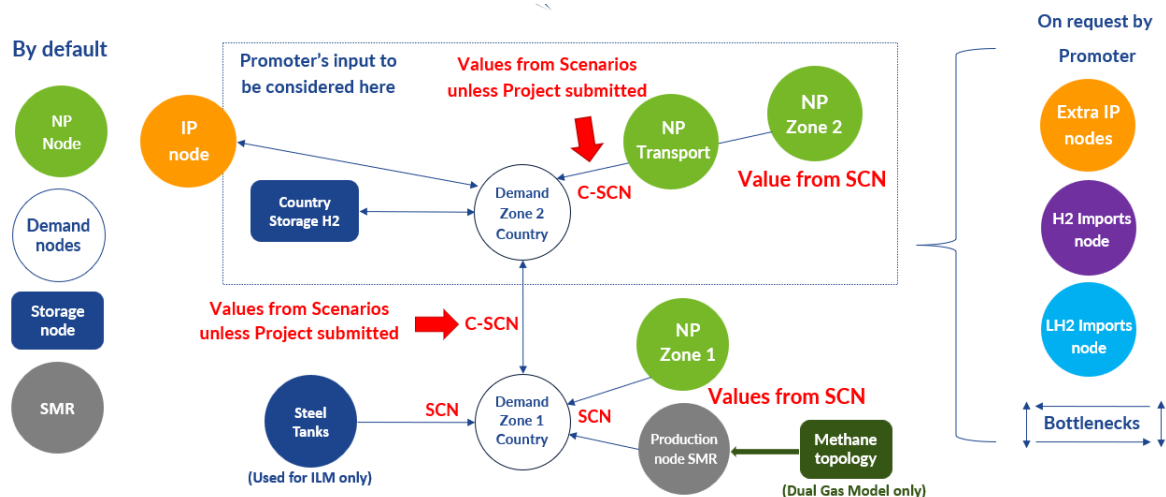


Figure 4: Hydrogen topology diagram

Hydrogen topology is implemented in the TYNDP 2024 to allow for the modelling of hydrogen infrastructure in the System Assessment and PS-CBA phases of TYNDP 2024.

Hydrogen system in each country is divided in two zones: Zone 1 and Zone 2.

Zone 2 represents the hydrogen transmission system of the country. It includes hydrogen demand, hydrogen production nodes, hydrogen cross-border points (H2 IPs) and (if applicable) country storages and/or hydrogen import points (e.g. reception terminals and extra-EU imports).

Zone 1 represents hydrogen regional/local clusters that are connected with limited capacity to the hydrogen transmission system of the country. As hydrogen infrastructure will evolve, more regional/local cluster will be connected to the hydrogen transmission system, and therefore, capacity between zones (Zone 1 and Zone 2) can increase/evolve across the time horizon. Hydrogen Zone 1 includes local hydrogen production via electrolysis or through Natural gas production methods (i.e. SMR/ATR) and the subsequent connection to the Natural gas system.

As summarized in Figure 4, by default, hydrogen supply and demand of both zones is predefined by TYNDP 2024 Scenario report values at country-level as follows:

In **Zone 1**:

- (i) Hydrogen demand assigned to Zone 1 (**Demand Zone 1**)

⁶ NP: National Production, SMR: Steam Methane Reforming, SCN: Scenario, ILM: InterLinked Model, IP: Injection Point

- (ii) Hydrogen supply produced via electrolysis assigned to Zone 1 (NP Zone 1)
- (iii) Hydrogen production through Natural Gas production methods (**Production node SMR**)
- (iv) Steel Tanks capacities (**Steel tanks**) - only for indicators computed with ILM
- (v) Interconnection capacities between Demand Zone 1 and Demand Zone 2

In Zone 2:

- (i) Hydrogen demand assigned to Zone 2 (**Demand Zone 2 Country**)
- (ii) Hydrogen supply produced via electrolysis assigned to Zone 2 (**NP Zone 2**)
- (iii) Hydrogen Transport capacity of the hydrogen supply produced via electrolysis (**NP Transport**)

New interconnection, storage or import points can be created upon promoter request and confirmed by ENTSOG. To request a new point project promoter will contact ENTSOG as described in section 7.1.3 of this document. In addition, it is important to highlight that when requesting a new point, project promoter should make sure liaise with the adjacent promoter if needed, as **without the submission of an opposite project promoter, and after application of the lesser-of-rule will reduce the capacity to zero** (for more detailed information on the lesser of rule application please go to section 9.2).

In addition, based on the specific assumptions related to the TYNDP 2024 submitted project, hydrogen topology and some predefined values can be modified, upon request of TYNDP 2024 project promoters, after validation by ENTSOG. These potential modifications relate to:

1. H2T (hydrogen transmission) sub-category:

- (i) Transport capacity from NP-Z2 to Z2
- (ii) Internal Capacity between Z1 and Z2

2. Default topology for Zone1, which might also be modified upon promoter request, to have SMR/ATR production isolated so that it cannot reach Zone2.

5. TYNDP and PCI interaction

In accordance with the specifications of Regulation 2022/869, Annex III.2(4)⁷ and Annex IV(2)(b)⁸, from 1 January 2024 hydrogen projects of the categories listed in Annex II(3) of the TEN-E Regulation with the intention to apply for the PCI and PMI selection process must be part of ENTSOG's TYNDP. Therefore, respective projects to be eligible for the next PCI and PMI selection round, must be as a prerequisite included in **ENTSOG's TYNDP 2024**.

Depending on their level of maturity⁹ projects are categorized along different status. These maturity status are determining parameters for the definition of the **infrastructure levels** to be used in the TYNDP assessment.

ENTSOG will run the project-specific assessment only on hydrogen projects which are eligible for the upcoming PCI/PMI selection process and for those promoters who have stated their intention to participate for this during the TYNDP 2024 project collection phase.

The project-specific assessment is intended to provide a relevant contribution to the PCI process, for all projects able to provide the necessary project data, in line with the practice of the 5th and 6th PCI process.

The project-specific assessment will be carried out by ENTSOG and promoters at **project group level** and will build on the **TYNDP input** and the **identified infrastructure gaps**.

The process will be the following:

- a) During the project submission phase, promoters are asked whether they intend to apply for the next PCI selection process (in this case the 7th PCI selection process).

Please note that this is only a declaration of intention and does not automatically translate into the application of the project to the next PCI round. The PCI selection is in fact a separate process from the TYNDP process and under the responsibility of the TEN-E Regional Groups led by the European Commission.

- b) For these projects ENTSOG will run PS-CBA in TYNDP.

⁷ "From 1 January 2024, the proposed hydrogen projects of common interest falling under the energy infrastructure categories set out in point (3) of Annex II to this Regulation are projects that are part of the latest available Community-wide ten-year network development plan for gas, developed by the ENTSO for Gas pursuant Article 8 of Regulation (EC) No 715/2009."

⁸ "for projects of mutual interest in the category set out in point (3) of Annex II, the hydrogen project enables the transmission of hydrogen across at the border of a Member State with one or more third countries and proves bringing significant benefits, either directly or indirectly (via interconnection with a third country) under the specific criteria listed in Article 4(3), at Union level. The calculation of the benefits for the Member States shall be performed and published by the ENTSO for Gas in the frame of Union-wide ten-year network development plan;"

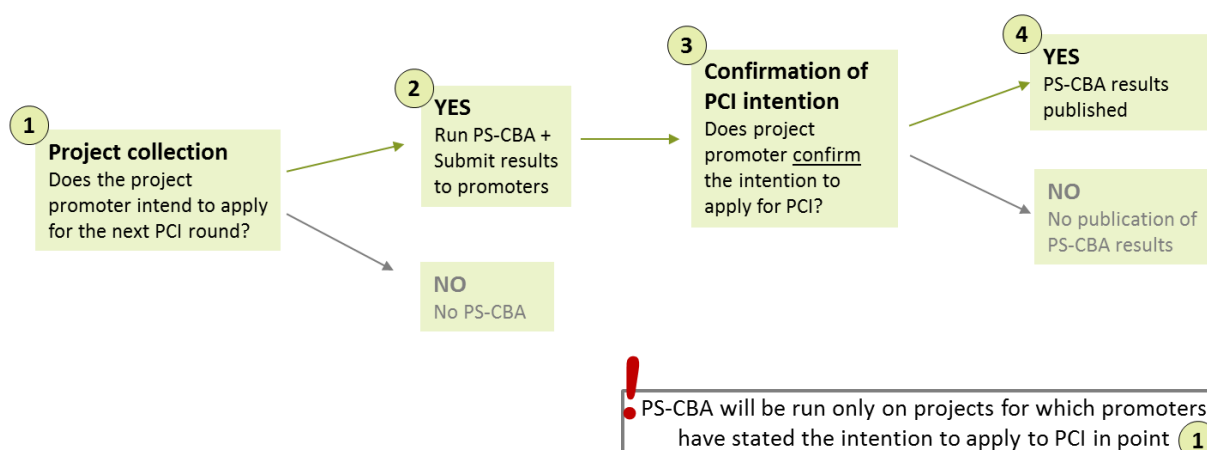
⁹ For more details, please refer to section 5 of GPI.

- c) ENTSOG will provide PS-CBA results to promoters before publication of PS-CBA in TYNDP. On this basis promoters will be asked:
- to confirm to ENTSOG if they still intend to apply in the next PCI selection process
 - to provide to ENTSOG a qualitative analysis for the concerned project group

Please note that the project-specific assessment will be run by ENTSOG on the information provided during the project submission and only after the identification of the infrastructure gaps and according to the timeline published in the GPI (section 2).

- d) For those project promoters having confirmed their intention to apply for PCI, a Project Fiche including all the main project information and the results of the project-specific assessment will be published in the TYNDP¹⁰.

The process can be graphically summarized as follows:



¹⁰ PS-CBA will be performed following guidance of ENTSOG Cost-Benefit Analysis Methodology.

6. Functionality and availability of the ENTSOG Data Portal

6.1. Live Environment where to submit your application

The Live/PROD environment can be accessed via the following URL:

<https://data.pdws.entsog.eu/DataCollectionPortals>

ENTSOG Data Portal Live/PROD Environment is accessible with the credentials already issued to the Promoters in the past (for any TYNDP/PCI project submission). **New Promoters will contact ENTSOG for reaching new credentials (see section 7.1.1).**

The actual Data Collection - Project Submission is **starting on 23rd November 2023** and **will be closed on 22nd December 2023**.

Project promoters who have already submitted their projects for TYNDP 2022 are required to **re-submit their projects and provide up-to-date data** to allow their projects to be considered for TYNDP 2024. To ensure consistency in the project code within different TYNDP editions, promoters re-submitting a project are requested to provide up-to-date data through **the same portal used for TYNDP 2022 or last PCI application**. The project submission questionnaire will be updated for each TYNDP cycle, and therefore questions might differ.

The TYNDP project code is composed by three items:

- Project subcategory: Three letter code reflecting the subcategory of the submitted project (H2T, H2S, H2L, H2E, H2M, TRA, LNG, UGS, BIO, RET, SYN, CO2, OTH)
- Project maturity status: One letter code reflecting the maturity status of the submitted project (F (FiD), A(Advanced), N(Less-advanced))
- TYNDP Project number: Sole number combination assigned to each TYNDP submitted project

TYNDP project code might change depending on the assumptions underlying each TYNDP cycle, as subcategories and maturity status might have also been updated. However, the TYNDP project number in the code is sole and **remains the same for all TYNDP/PCI project submissions** (e.g. HYD-N-8976 --> H2T-N-8976).

6.2. Test Environment

Promoters however can access the ENTSOG Data Portal Testing environment with their user name and password for testing environment that ENTSOG provided to the Project Promoters when registering in the ENTSOG Data Portal (**see section 7.1.1**). The test environment has been put in place for ENTSOG to test planned upgrades and for the Promoters to access and discover the full functionality of the Data Portal.

Any changes made in the test environment will not be carried over to the live environment.

The Test/UAT environment can be accessed via the following URL:

<https://uat-data.pdws.entsog.eu/DataCollectionPortals/>

Please note that this is a Test environment.

Data submitted via the Test Environment will **not** be imported to production and will **not** be used in any way, shape, or form, by ENTSOG.

In case you encounter issues/bugs within the Test environment, we welcome your comments and suggestions to improve the user experience in the live environment. Please send such comments and proposals to ENTSOG contacts for PCI Project collection as defined in **section 1. Key elements**.

6.3. Other recommendations related to ENTSOG Project Portal: which browser to use

The ENTSOG data portal is optimized to run under Microsoft Edge web browser. You can of course use other browsers but may experience minor issues when running reports.

7. How to submit a project to TYNDP 2024

7.1. How to submit a project that has not been previously submitted to TYNDP 2024

7.1.1. Register as a Promoter: account creation

In Order to access ENTSOG's Data Portal for the first time (first project submission of a company), every promoter must request an account from ENTSOG. This request can be executed by filling out and sending the Promoter Request Form to the ENTSOG contacts included in section 1. Key elements. Promoters that have submitted to previous TYNDP data collection or PCI applications do not need to ask for a create new company account. However, as credentials are nominative, each promoter needs to have valid personal credentials provided by ENTSOG on request.

- > New Company Promoter
When contacting ENTSOG, please include in your email the following **SUBJECT: Project collection submission – “New promoter request”** and **do not forget to attach** the **Promoter Request Form** filled in with your details.
- > New Nominative Credential for existing promoters
When contacting ENTSOG, please include in your email the following **SUBJECT: Project collection submission – “New nominative credentials”**

Your request will be treated as soon as possible. You will receive your credentials in a reply email. Once it has been treated, your designated contact person will receive the credentials (login and password) via e-mail.

7.1.2. Request a new Operator

When requesting a new Promoter, normally a new operator, who will operate the project after the commissioning, is needed too. In case your project entails the creation of a new operator, you should request ENTSOG to add this operator to its database, by filling in the **new Operator Request Form** and sending to ENTSOG contact persons (included in section 1. Key elements).

When contacting ENTSOG, please include in your email the following:

SUBJECT: Project collection submission – “Operator request” and **do not forget to attach** the **new Operator Request Form** filled in with your details. Your request will be analysed and treated. ENTSOG may come back to you with additional questions, for instance:

- > If an Operator with a similar name has already been created
- > If another promoter has requested the creation of this Operator

Once all open questions are solved, you will receive a confirmation by e-mail, and the operator will then be added to the Data Portal, and you will be able to select it when submitting an infrastructure project.

7.1.3. Request a Point creation

Promoters can request the creation of Points, which are not yet part of the ENTSOG Network Model, if these Points are necessary for the realization of their infrastructure projects (including for projects relieving internal bottlenecks). If your project is creating transport or entry capacities in one or more countries, storage facilities please provide us with the following information:

- > Operator name
- > Subcategory of project
- > Countries concerned

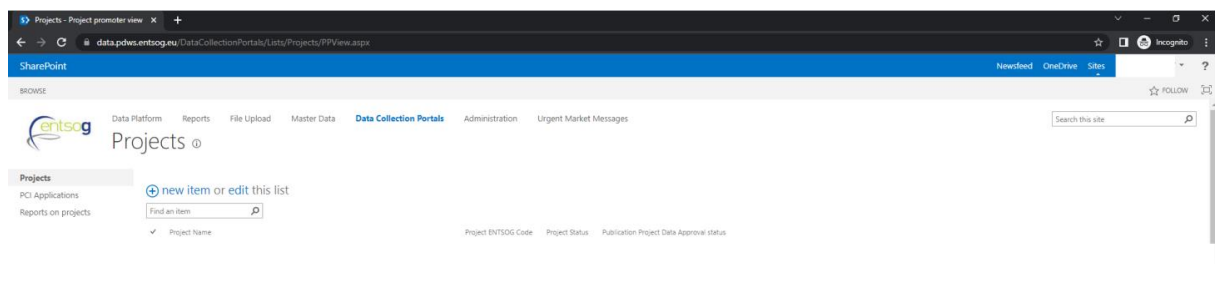
Please use ENTSOG contacts detailed in **section 1. Key elements**. When contacting ENTSOG, please include in your email the following **SUBJECT: Project collection submission – “New Point”**.

In case further information is needed please contact ENTSOG.

7.1.4. Access ENTSOG Data Portal

To access ENTSOG online web-portal (ENTSO-G Project Portal) with the credentials that ENTSOG has provided you in the **step 7.1.1** in the following link:

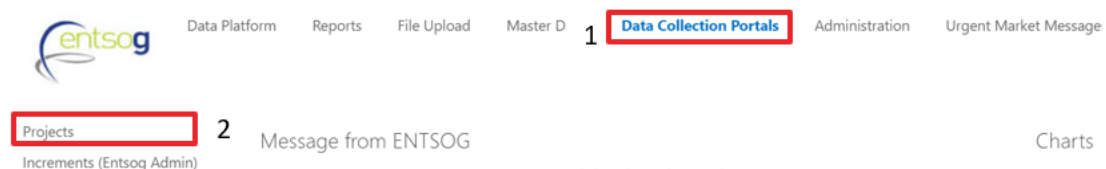
<https://data.pdws.entso-g.eu/DataCollectionPortals>



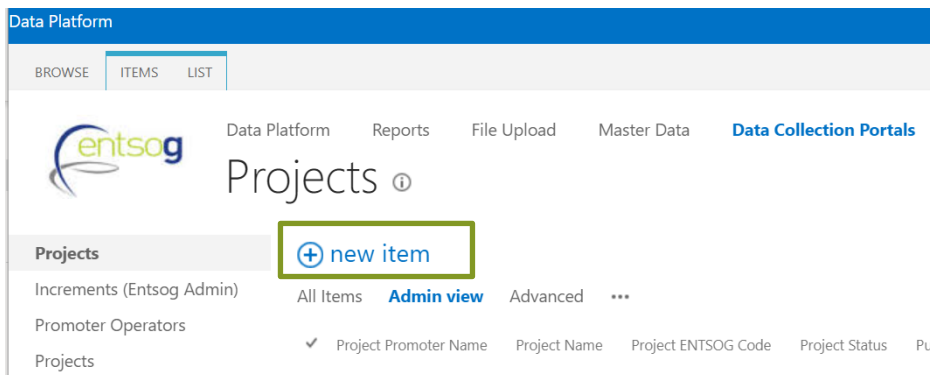
7.2. Submit a new project

To apply for the TYNDP 2024, Project Promoter have to submit their projects. **This can be solely done via the ENTSOG Data Portal** following the below steps:

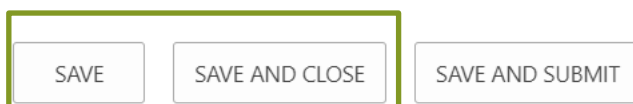
- 1.** Select **Data Collection Portals** on the top of the page. Click **Projects**



- Click **+ new item** and fill out the Form in line with the indications provided in Annex II: Project Collection Questionnaire explained (new Projects).



You can save your temporary work by clicking **Save** or **Save&Close** (in case you want to close the form) at the bottom of the page.

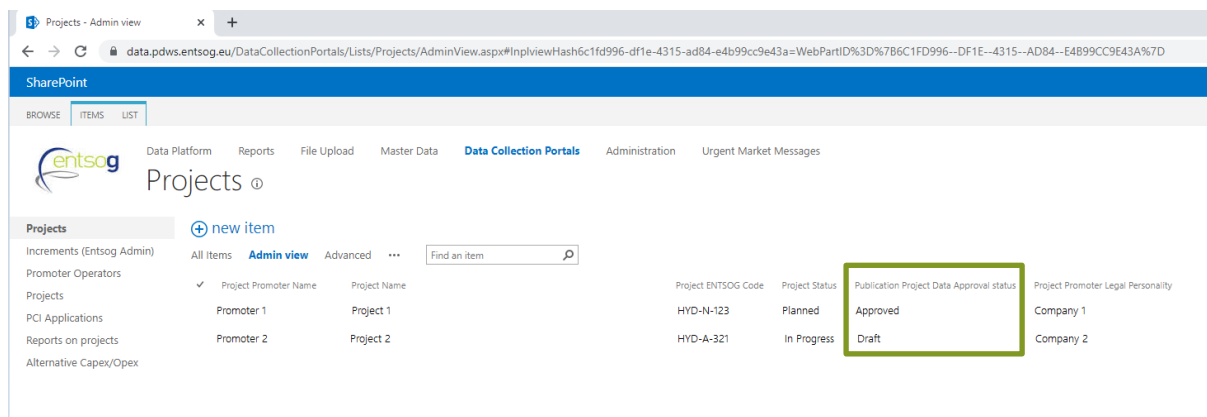


- When all the necessary information has been provided, click **Save & Submit** at the bottom of the page.



Please note that for a valid Project submission, **ONLY** once you have fully finished the project submission form and filled in all the fields of the project submission form and click **Save & Submit** bottom the **“Publication project data approved status”** from your project will change from **“Draft”** to **“Approved”**. If the **“Publication project data approved status”** of you project is still **“Draft”** your project will **NOT be correctly submitted**.

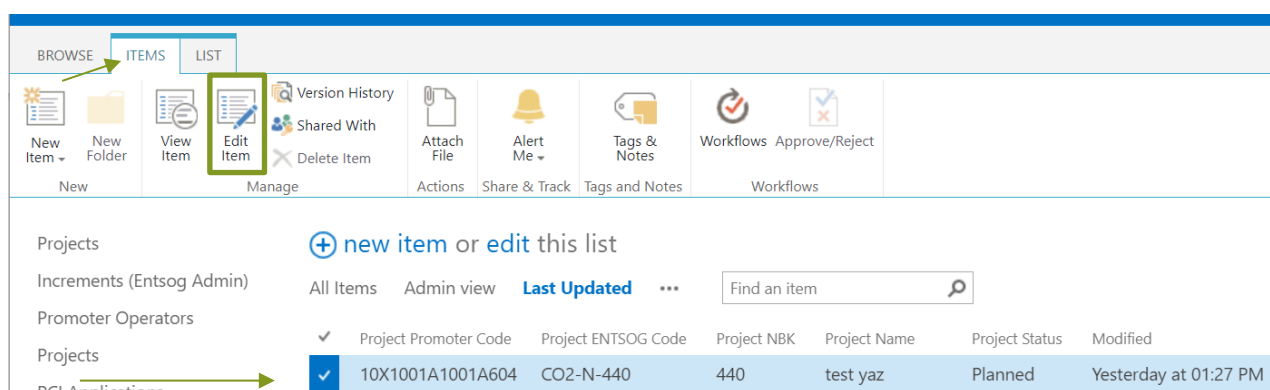
In figure below is shown, as a example, two different project submissions. For the example below Project 1 with **“Publication project data approved status”** as **“Approved”** will be correctly and successfully submitted, whereas Project 2 with **“Publication project data approved status”** as **“Draft”** will **NOT be correctly submitted**.



In addition, please also consider that for a valid and modelled Project submission, the information to be provided in **red framed boxes** in the project submission form are mandatory. If the project is submitted without filling in all the mandatory information in the red framed boxes, it will appear in the Project Portal as “Draft” under the column “**Publication project data approved status**”.

Attention: How to reopen or edit your project submission form:

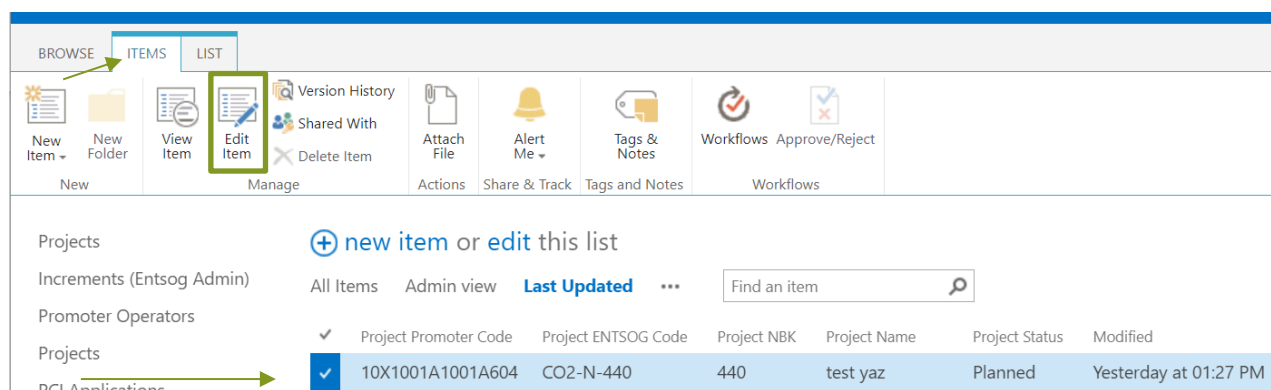
1. Select **Data Collection Portals** on the top of the page. Click **Projects**
2. Select your Project by clicking on it. The project is selected, when highlighted with a **blue** background.
3. Click Items in the upper left corner. From the drop-down menu select **Edit Item**



7.3. Edit a project part of TYNDP 2022/PCI 2023 Projects

Promoters of projects already included in the TYNDP 2022/PCI 2023 and with the intention to submit their application to TYNDP 2024, should edit it in the portal as described below:

1. Select Data Collection Portals on the top of the page. Click **Projects**
2. Select your Project by clicking on it. The project is selected, when highlighted with a blue background.
3. Click Items in the upper left corner. From the drop-down menu select **Edit Item**



4. Once done, new additional and updated questions in the context of TYNDP 2024 will be visible in the Form. You can save your temporary work by clicking **Save** or **Save&Close** (in case you want to close the form) at the bottom of the page.
5. Once finished to fill in the Form, click **Save&Submit** at the bottom of the page.

Please note that for a valid and modelled Project submission, ONLY once you have finished the project submission form and filled in all the fields of the project submission form and click **Save & Submit** bottom the “**Publication project data approved status**” from your project will change from draft to “**Approved**”. If the “**Publication project data approved status**” of you project is still “**Draft**” your project will NOT be correctly submitted.

In addition, please also consider that for a valid and modelled Project submission, the information to be provided in **red framed boxes** in the project submission form are mandatory. If the project is submitted without filling in all the mandatory information in the red framed boxes, it will appear in the Project Portal as “Draft” under the column “**Publication project data approved status**”.

When editing your project submission, you will need to complete the different sections of the project submission form. In the left side of the project portal, you will find a navigation panel containing all the different sections that compose the project submission form (see Figure 1 below).

You can use the navigation panel to navigate easily through the different sections of the PCI Project submission form.

In the Table below you can find a summary of the different sections conforming the Project submission form.

Figure 5: Navigation panel in the Project Submission Form

SECTION	Description
ENTSOG Publication	

General Information	This section includes the main information of the project such as: project name, description of the project, hosting country, promoter, project status, promoter contact information
Project Costs	Specific sections on costs, CAPEX and OPEX
Administrative Criteria	<p>Section regarding the criteria that Project promoter need to fulfil in order to submit a project to the TYNDP 2024.</p> <p>The administrative and technical criteria to be fulfilled by promoters can be found in sections 3.2 Final Guidelines for Project Inclusion (GPI) for TYNDP 2024¹¹</p>
Inclusion in the NDP	Section regarding the inclusion of the TYNDP candidate project in the corresponding National Development Plan of the hosting country.
Relation with other TYNDP Projects	Section regarding the enabler/enhancer relationship between the submitted project and other projects (enabled or enhanced projects).
Project Shareholders	Self-explanatory
Technical information	Section regarding the main technical parameters of the submitted project.
Project of Common Interest (PCI)	Section regarding PCI selection process. Includes questions regarding the fulfilment of general and specific criteria as defined in article 4 of Regulation (EU) 869/2022
Variant for modelling	In this section, promoter will indicate the different variant(s) names and select the one that will be used for modelling.
Increments in Entry/Exit capacity	Section regarding the capacity increments generated by the project. This information will be used by ENTSOG when performing the Project-Specific analysis of candidate projects.
CBCA and Financial Assistance	Self-explanatory.
Project Schedule	Section regarding the expected implementation timeline of the project main phases.

¹¹ [TYNDP 2024 Guidelines for Project Inclusion for Publication 0.pdf \(entsog.eu\)](#)

Market Test	Section regarding market test consultation that are already done or planned.
Project expected impact	Section regarding impacts on market demand, sustainability, SoS or interoperability
Supply sourcing	Section regarding the expected supply sources enabled by the project
Measures/Actions to reduce methane emissions	Section regarding the expected mitigation measures to reduce methane emissions (for natural gas, blending)
Intergovernmental Agreement	
Barriers in Implementation	Self-explanatory
ENTSO-G TYNDP Legal Notice	Legal notice
Map	Section to upload a map of the project
Upload Document	Section to upload any other document (if required)

7.4. Button “Add to Grid” and how to use it

You may encounter this button while filling in the report. It is shown whenever the form gives you the possibility to enter several rows of information, for instance several increments.

This screenshot displays the default state of the questionnaire when no increments are entered and button “Add to Grid”.

Increments in Entry/Exit Capacity

Operator	Point	Flow Direction	Status	Variant	Commissioning Year	Increment (GWh/d)	Peak Increment (GWh/d)	Comment
--Select--		entry						

Add To Grid

What you need to do in this case is

- > Fill in the various pieces of information, like Operator, Point, etc.
- > Click on Add to GRID to save this information.

If you do not click on Add to Grid, the questionnaire will not save the information you have just entered. Once clicked on Add to Grid the browser will probably automatically refresh. After that new information will be available and displayed in the project submission form.

7.5. How to withdraw/cancel a submission

In case you want to withdraw your project, you should move the Project Status to “Cancel”.

[011] - Project Status

Cancelled
▼ ⓘ

8. Other important principles

8.1. Grouping of functionally related projects

8.1.1. PRJ groups

For TYNDP and consequently, for PCI, each promoter is tasked to submit its own investment project. However, often, several functionally related project items need to be implemented together for their benefit(s) to materialise. For example, in case of an interconnector for hydrogen connecting two (or more) countries, two different promoters are usually involved in realising the two sections of the same interconnector. It is clear in this case that the two sections of the interconnector are meant to be built and used unequivocally together. The PS-CBA shall, in this case, be performed jointly for these strictly functionally-related projects, ensuring consistency between the considered benefits and costs.

This could be necessary for all kind of projects, for example a hydrogen terminal on one side and the connection pipe on the other side. In these cases, for a promoter (and stakeholders) the natural question when submitting its own project is: What about the other part of the project? Did the other project promoter submit its own part?

Therefore, to facilitate the identification of these projects, promoters submitting their projects are asked to indicate whether their submission is part of one common “functional project”. Promoters can select from the following:

- > Interconnector of two (or more) countries
- > Terminal (and connecting pipe)
- > Storage (and connecting pipe)
- > Hydrogen production (and connecting pipe)

> Other functional related projects

Being an aggregation of investment submitted by different promoters is called “PRJ group”. More explanation on how to submit the above information will be treated in **Annex I, question 89-92**.

Please note that for a successful submission promoters should submit all investments items.

8.1.2. General grouping principles

The promoter can submit the project as part of a project group that will be considered by ENTSOG when performing PS-CBA. The project group should be defined following the grouping principles listed below:

- > As a general principle, projects can only be grouped together if they are at maximum one advancement¹² status apart from each other and a **maximum difference in their expected commissioning year of 5 years**.
- > Enabled projects must be grouped with the enabling projects (including also for repurposing infrastructure the enabling project in the natural gas system if any).
- > Enabled projects’ commissioning year can only be equal or later than the enabler(s)’ one.
- > Enabling project(s) can be included in a group only when the expected commissioning year of the enabling project(s) is at a maximum 5 years in advance of the enabled project(s) and by the latest equal to the expected commissioning year of the enabled project.
- > Enabler projects “under consideration” can only be grouped with enabled projects of the same stage of advancement.
- > Enhancing projects should be grouped with the enhanced project group (or main investment), however, it should be assessed in two different ways: with and without the enhanced project as it is a complementary project that allows an enhanced project to improve. This approach will capture the incremental benefit related to the enhancer project.
- > Enhancing projects and main investments can be grouped with a main investment only if their expected commissioning years are less than 10 years apart. (e.g., phase 1 and 2 of a cross-border interconnection between two countries)¹³
- > In case of a project consisting of several phases, each phase should be assessed separately in order to evaluate the incremental impact of all phases (e.g., in case of a project composed of two different phases, one group considers only phase 1 while a second group considers phase 1 and phase 2).

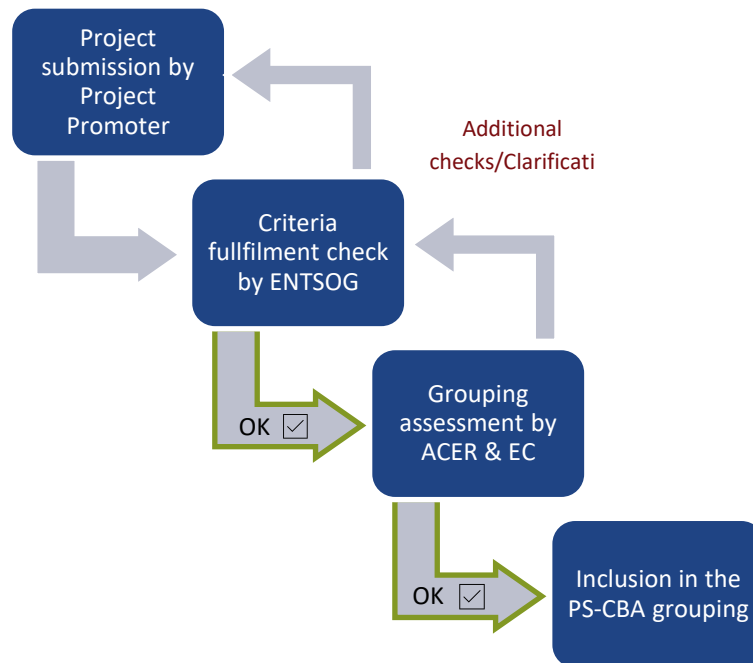
There are also reasons that projects should be grouped together. For example:

¹² Stage of advancement: under consideration, planned (but not yet permitting), permitting and under construction

¹³ Enhancing project(s) can be grouped with and without the enhanced project as it is a complementary project that allows an enhanced project to improve.

- > Projects connecting with extra-EU supply sources are composed of different projects whose full realisation is a prerequisite to connect the new source with the demand and thereby enable the development of a given hydrogen corridor.

The grouping process is presented in the following flow chart:



8.2. Costs information in the TYNDP project submission

Submission of Project cost information for TYNDP Project collection is mandatory.

Cost per projects will be published unless declared confidential by promoters. In case of costs labelled as confidential, the provided costs will be used only to show information at aggregated level (but not at project level) in the PS-CBA report.

ENTSO fully acknowledges the importance and the right of promoters to keep project cost information confidential. This right is respected as described above. At the same time, it is important that projects interested in applying for the PCI label ensure the highest possible level of transparency and level-playing field.

On this basis, promoters applying to the TYNDP process and having marked their expected costs as confidential, have to provide, during the TYNDP Project Submission, alternative figures. These figures, per project, will be used only for publicity reasons in order to ensure as much transparency as possible. In addition to this, Promoters have to provide directly alternative figures in the Project portal, built for example on reference costs available at national level.

The TYNDP 2024 Annex A and the PS-CBA report will clearly distinguish between costs submitted by promoters or based on alternative reference unit costs.

9. Check the Home Page – surface of the Data Portal

The Home Page is the entry page of the Data Portal. It displays a set of general information on the status of your submissions, displays alerts that you have to resolve, and lets you access more detailed reports.

Please note that the information displayed is not refreshed instantly. ENTSG's IT system works in batches meaning that it takes between 15 minutes and 3 hours to save promoter inputs in the database, this input being then reflected in the Home Page.

Once project promoters have completed their project(s) submission, it is recommended to review the project(s) and increment validation rules. This step might help promoters to identify mistakes and errors during submission process, and eventually, correct and improve their project submission.

9.1. Check the Project Validation Rules

1. By scrolling down on the **Home Page** you find the section **Alerts**, click on either the blue underlined alert type for Major or Minor Project alerts.

SharePoint

BROWSE PAGE

Increments (Entsog Admin)

Promoter Operators

Projects

PCI Applications

Reports on projects

Alternative Capex/Opex

Applying for TYNDP 2024?

Step 1. Go to **Projects** on the left-hand side menu

Step 2. Create a new project by clicking **+new item** or open the **existing project page** in the **PCI** section

Step 3. Fill-in the **questionnaire**. Practical details can be found in the **Handbook**

Well done! Remember to press **Save + Submit** at the end of the form

Currently collecting data for TYNDP2024 which is open between 20/11/2023 and 16/12/2023

European Network of Transmission System Operators for Gas

Information

1 planned and 0 in progress projects, including 0 capacity changes (0 FID,1 Non-FID)

0 currently PCI

Last updated saved on 14/12/2022 19:18:38

Alerts

Projects	Major	0
Projects	Minor	1

This will redirect you to the detailed list of the Alerts which have been triggered. If you want to see the alert detail for a specific project.

Page 28 of 59

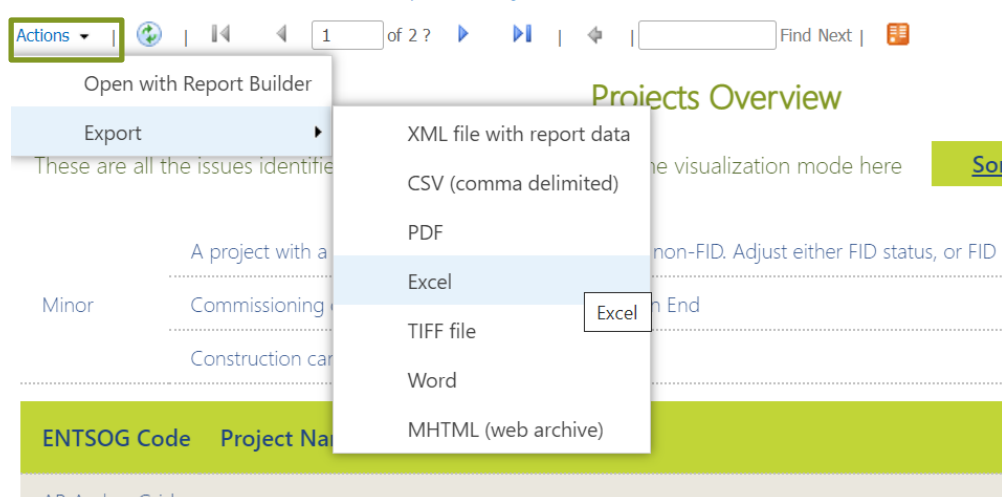
2. Click on the “+” sign next to a project

This will display to you the list of all the Validation Rules not respected. Please follow the instructions to correct the errors. For more details, please refer to validation rules in the TYNDP 2024 Project Promoter documentation kit).

You can also export the result in Excel:

3. In the menu Actions, click on Export, then choose Excel. The Portal will prompt you to save the file.

Data Platform > Data Collection Portals > ReportsOnProjects



9.2. Check the Before and After Lesser of rule report

1. By scrolling down on the **Home Page**, in the section **Useful links**, click on either reports Before and After Lesser of Rule to

SharePoint

BROWSE PAGE

Alerts		
Projects	Major	0
Projects	Minor	1

Useful Links

- [Network Model of ENTSOG](#)
- [Topology of your Operators](#)
- [Capacities Before Lesser-Of Rule](#)
- [Capacities After Lesser-Of Rule](#)
- [Detailed Report for Each of your Projects](#)
- [Current PRJ Groups](#)

As the increments are a critical part of each project's submission, promoters should review all points where you have submitted capacity increments linked to specific projects. Critical mismatches are displayed in the before and after lesser of rule reports and highlighted in red. Critical mismatch means that there is a mismatch of capacities higher than **10%**, while minor mismatch means that the identified mismatch is lower than **10%**. In these cases, we inform that if no correction is done on capacities, the After Lesser-of-Rule¹⁴ will be applied.

For example:

H2_IP_O1-O2			2024	2025	2030	2035	2040	2045	2050
entry	Operator 1	Capacity	0,0	0,0	0,0	0,0	0,0	0,0	0,0
		Increments	0,0	0,0	24,0	24,0	24,0	24,0	24,0
	entry Total before LoR		0,0	0,0	24,0	24,0	24,0	24,0	24,0
exit	Operator 2	Capacity	0,0	0,0	0,0	0,0	0,0	0,0	0,0
		Increments	0,0	0,0	24,0	24,0	24,0	24,0	24,0
			0,0	0,0	0,0	0,0	36,0	36,0	36,0

¹⁴ The Lesser-of-Rule is a rule applied by ENTSOG aggregating the available capacities on the two sides of a Point to generate consistent firm capacities for modelling purposes. In case operator A submits an Exit capacity on Point P with the value of 100 and Operator B an Entry capacity of 50, then the 50 will be considered for modelling purposes in the ENTSOG exercises.

	exit	Total before LoR		0,0	0,0	24,0	24,0	60,0	60,0	60,0
entry	Operator 1 after LoR	Capacity		0,0	0,0	24,0	24,0	24,0	24,0	24,0
exit	Operator 1 after LoR	Capacity		0,0	0,0	24,0	24,0	24,0	24,0	24,0

9.3. Network Model

The Report **Network Model** enables the Promoters to see an overview of the ENTSOG topology, which is used as a basis for the ENTSOG modelling exercises. You can see the connection of infrastructure operators to other infrastructure operators represented in ENTSOG network topology, by country. The national production and import connections can also be found. The ENTSOG topology is a result of multi-annual bi-lateral discussions with infrastructure operators on how to represent best their infrastructure in the ENTSOG topology.

1. When you are in the **Data Collection Portals** menu point as described above, please select **Network Model of ENTSOG** within the section **Useful Links**.

Useful Links


 [Network Model of ENTSOG](#)

The Report on **Operator Topology** enables every infrastructure operator to check and follow how the existing and planned infrastructure topology is represented within the ENTSOG Network Topology. In case you observe that your infrastructure is not represented correctly, please contact ENTSOG as described in Chapter 14.

2. When you are in the **Data Collection Portals** menu point as described above, please select **Check the Topology of your Operators** within the section **Useful Links**.

Useful Links

 [Network Model of ENTSOG](#)

 [Topology of your Operators](#)

3. On the right side of the page you can configure the view of the Report for ENTSOG *Publication*, *Operators* you have submitted (might be only one), *Point* and *Points Status*. Click **Apply** at the bottom-right corner of the page to run the report. If you select (select All) under *Points* and (Select All) under *Point Status*, you will have an overview of your system for the selected operator.

In the Report, you can see all your operational or planned points under different categories.

4. To obtain further details on the points, you can click on the + button in the middle of the page for every Point. This will show further information on which neighbouring operator the point connects to and which flow directions are available.

5. On the top of the page you can click the button *Before Lesser-Of Rule* which will take you to the next Report. See chapter Capacities Before Lesser-Of rule below.

6. By clicking on the Actions button in the upper left corner of the page, and then choosing Export from the drop-down list, you can export the data in different formats to different software, such as Excel or Adobe Reader/pdf.

10. Responsibility of the Project Promoter

The responsibility of the Project Promoter is specified in the Project Questionnaire itself in the form of a Legal Notice. Promoters will have to confirm their acknowledgement of this Legal Notice in order to submit a project.

11. Conclusions

In case you have further questions regarding the functionality of the Data Portal or regarding data submission not explained in the ENTSOG Handbook, we are available as described in page 3.

Please make sure to read the Guidelines for Project Implementation and this Handbook and check if your question is already addressed there.

In case you have comments regarding the document or you think that certain steps can be explained in a more user-friendly way, we are happy to consider your comment and update the documentation to assist other Promoters and ensure the smoothness of the process.

Annex I –Project Collection Questionnaire explained (new Projects/ edit Projects)

Q#	Questions and Help Section
	Select Data Collection Portals on the top of the page. Click Projects Click + new item and fill out the Form according to the indication bellow:
	ENTSO Publication
001	Comments on the Project in the context of the current publication Provide any comments you may have considering the introductory paragraph of this section
	General Information
003	Project (System) Code The project code is automatically assigned by the IT system. Each project submitted to TYNDP 2024 will have a sole project system code, formed by combination of numbers (e.g. 1123). No need to fill in the box, as it is automatically generated by the system.
004	ENTSO Project Code The project code is assigned by the IT system in line with the type of project. No need to fill in the box. The TYNDP project code is composed by three items: <ul style="list-style-type: none"> - Project subcategory: Three letter code reflecting the subcategory of the submitted project (H2T, H2S, H2L, H2E, H2M, TRA, LNG, UGS, BIO, RET, SYN, CO2, OTH) - Project maturity status: One letter code reflecting the maturity status of the submitted project (F (FID), A(Advanced), N(Less-advanced)) - TYNDP Project number: Project (system) code <p>Less-advanced projects identified by “N” are Non-FID and Non-Advanced.</p> <p>Please note that especially for Advanced projects, the system needs some time to assign the code for the project.</p>

005	<p>Was the project item part of the last TYNDP?</p> <p>“YES” if the project was included in TYNDP 2022 or “NO” if the project was not included in TYNDP 2022</p>
006	<p>Project Name (Mandatory)</p> <p>Provide a project name</p>
007	<p>Energy carrier (Mandatory)</p> <p>Select one energy carrier type among the following drop down: Natural gas, Hydrogen, Low-Carbon gases, Other Energy Carrier</p>
008	<p>Sub Categories of Infrastructure Type (Mandatory)</p> <p>Select your subcategory of infrastructure type. The selection list is automatically updated depending of selected Energy carrier, more details can be found in section 3.2 and in GPI</p>
010	<p>Project Description (Mandatory)</p> <p>Provide a thorough description of the project (in min. 100 characters) mentioning information such as the purpose of the project, the main parameters and any specific aspect.</p>
011	<p>Project Host Country (Mandatory)</p> <p>Select from the list the relevant host country where the project is built.</p>
012	<p>Project Status (Mandatory)</p> <p>Select the status of the project: “Planned” if the project is under design or feasibility studies “In Progress” if the project is in the permitting progress or in the construction phase “Completed” if the project was already commissioned “Cancelled” if the project submitted in previous TYNDP has been cancelled</p>
014	<p>Promoter Legal Personality (Mandatory)</p> <p>Indicate the legal entity submitting the project (company name)</p>

015	<p>Project Promoter Type (Mandatory)</p> <p>Select “TSO” if you are a certified Transmission System Operator; “DSO” if you are a certified Distribution System Operator; “SSO” if you are a certified Storage System Operator; “LSO” if you are a certified LNG System Operator; “Hydrogen Operator” if you are a certified Hydrogen Operator;</p> <p>Select “TPP” if you are a Third-party promotor but not listed above. For any other legal entities such as Governmental Bodies, “Other” should be selected and the promoter type further specify in the next field.</p>
016	<p>Is this project classified as a decommissioning project of existing natural gas infrastructure (currently operational)? (Mandatory) Only visible when Energy Carrier “Natural gas” selected</p> <p>Select “YES” if the project is a decommissioning project of existing natural gas infrastructure and that will have impact on natural gas capacity.</p> <p>Select “NO” if your project is a newbuilt infrastructure or upgrade of existing infrastructure project</p>
018	<p>Which Company will be the commercial operator once your project is completed</p> <p>Indicate the commercial operator of the facility when commissioned</p>
019	<p>Will there be any other commercial operator(s) once your project is completed?</p> <p>If yes, please mention it/them.</p>
020	<p>Has your project taken the FID (Mandatory)</p> <p>Indicate if your project has reached the Final Investment Decision at the moment of submitting the project</p>
021	<p>Indicate the date when your FID was taken (Mandatory)</p> <p>In case FID reached, please indicate the date when FID was taken</p>

022	<p>Is your project only a Capacity Modification, which does not require actual investment or construction works? [Don't tick this box when you want to apply for PCI]</p> <p>You should tick the corresponding box if you want to submit capacity increases (or decreases) at one or several of your IPs, and if these capacity changes can be affected without having to perform any actual investment. Known examples include:</p> <ul style="list-style-type: none"> - Change in future demand assumptions, leading to capacity recalculations - Dynamic storage behaviour - Shifting of capacity between Points - Decrease of capacity due to degradation/lack of maintenance of the transmission system - Decrease of capacity due to depletion of a particular type of gas - Technical Agreements between TSOs - Closure/Decommissioning of Infrastructure, leading to a capacity decrease <p>In this case the capacity submission will not be considered in the TYNDP as a Project, but rather as a Capacity Modification and will be highlighted accordingly in the Annex of the TYNDP.</p>
023	<p>Name of your representative(s) in charge of the TYNDP Project submission (Mandatory)</p> <p>Self-explanatory</p>
024	<p>E-mail address of your representative(s) in charge of the Project submission (Mandatory)</p> <p>Self-explanatory</p>
025	<p>Phone number of your representative(s) in charge of the Project submission (Mandatory)</p> <p>Self-explanatory</p>
026	<p>Project Website</p> <p>Provide the URL/link of the project website if available</p>
027	<p>General Remarks</p> <p>Provide any additional comment that may help ENTSOG understand the project.</p>
	<p style="text-align: center;">Project Cost</p>
029	<p>Estimated CAPEX (in Mln EUR) (Mandatory)</p> <p>Indicate the total expected CAPEX for your project.</p>

	<p>Please list the elements included in the CAPEX (Mandatory)</p> <p>Provide the split of the CAPEX between the different elements conforming the investment.</p>
030	<p>Investment (Mandatory)</p> <p>Indicate if this investment is the “Main Investment” or “Other Investment”</p>
031	<p>Description (Mandatory)</p> <p>Please describe the different elements conforming the investment</p>
032	<p>Share (Mandatory)</p> <p>Share of the total CAPEX for this investment, in %. All investment items conforming the project must be in total 100%.</p>
	<p>Click the button “Add to Grid” to save your entries in field [029-031] to save your inputs and create additional lines</p>
033	<p>Are these CAPEX costs considered confidential? (Mandatory)</p> <p>Indicate if the CAPEX is considered confidential or not. If you select YES, the CAPEX will not be published and only used for calculating aggregated costs over infrastructure types and levels for the Report. However, alternative Reference costs will be published instead (see PCI section).</p>
035	<p>Amount of already incurred CAPEX (in million EUR] at the time of project submission (Mandatory)</p> <p>Indicate the amount of the total expected CAPEX which have been already incurred, in million EUR. In case info is not available, please tick “Info not available” and provide in the box the reason.</p>
037	<p>Amount of contracted but not yet incurred CAPEX (in million EUR] (Mandatory)</p> <p>Indicate the amount of the total expected CAPEX which have been fixed contracted but not yet incurred, in million EUR. In case info is not available, please tick “Info not available” and provide in the box the reason.</p>
039	<p>CAPEX Range (in %) (Mandatory)</p> <p>Indicate the capex cost range by stating how much it can vary to the upside or the downside, in percentage of the cost provided.</p>
040	<p>Estimated OPEX (in Mln EUR per year) (Mandatory)</p> <p>Indicate the expected average OPEX per year.</p>

	<p>For OPEX, Categories H2L, H2S and H2E please refer also to 41, 42 and 43</p> <p>Please indicate the share that energy costs represent in the total OPEX (%) (Mandatory)</p> <p>Provide the split of the OPEX between the different elements conforming the investment.</p>
041	<p>OPEX element (Mandatory)</p> <p>Indicate if this investment is the “Energy Cost” or “Other operational and maintenance costs”</p>
042	<p>Description (Mandatory)</p> <p>Please describe the different elements conforming the investment</p>
043	<p>Share (Mandatory)</p> <p>Share of the total OPEX for this investment, in %. All investment items conforming the project must be in total 100%.</p>
044	<p>Are these OPEX costs considered confidential? (Mandatory)</p> <p>Indicate if the OPEX is considered confidential or not. If you select “Yes”, the OPEX will not be published and only used for calculating aggregated costs over infrastructure types and levels for the Report. However, alternative Reference costs will be published instead (see PCI section).</p>
046	<p>OPEX Range (in %) (Mandatory)</p> <p>Indicate the OPEX cost range by stating how much it can vary to the upside or the downside, in percentage of the cost provided.</p>
048	<p>Estimated decommissioning costs (M€)</p> <p>Indicate the amount of the total decommissioning costs your project, only visible if “Yes” selected in question [016].</p>
050	<p>Are this cost confidential? (Mandatory)</p> <p>Indicate if the costs provided in the field [44] are considered confidential or not. If you select “Yes”, the decommissioning costs will not be published and only used for calculating aggregated costs over infrastructure types and levels for the Report.</p>
	<p style="text-align: center;"><u>Project Shareholders</u></p> <p>If your project has more than one shareholder, click the button Add to Grid to create additional lines where to provide the additional shareholders.</p>

052	Project Section If your project is implemented in several member states or is divided into several sections, indicate the name of the member state or the name of the section. If not, leave the box empty
053	Shareholder Name If you have a project company, indicate the names of each shareholder represented in this company. If not, simply indicate your own company's name. If no shareholder has been identified yet, indicate "undefined".
054	Shareholder Share If you have a project company, indicate the shares of each shareholder in this company, if not use 100 %.
	<p style="text-align: center;"><u>Administrative Criteria</u></p> <p>This section refers to the administrative criteria valid for this TYNDP edition. In view of filling in this section of the questionnaire, please read carefully the TYNDP 2024 Guidelines for Project Inclusion (GPI) to fully understand the criteria your project / company need to fulfil in order to be included in TYNDP.</p>
059	Please select the category of the project promoter you are (Mandatory) Indicate the category of project promoter type you are, for more details, please refer to section 3 of "ENTSO-G's Guidelines for Project Inclusion (TYNDP 2024)"
060	Company Existence (Pass-Fail Criteria) (Mandatory) Promoter shall be: The project promoter shall be a registered undertaking or a subsidiary of a registered undertaking. The company must be in existence for at least 1 year before the date of submission. Note 1: Promoters submitting the documents in the original language are asked to provide a 1-page maximum summary in English. Note 2: in case of multiple documents, promoters should zip the files.

061	<p>Company Financial Strength (Pass-Fail Criteria) (Mandatory)</p> <p>This is a mandatory criterion. The assets of the undertaking or its shareholders shall amount to at least 1 000 000 EUR.</p> <p>A valid proof is the latest available balance sheets submitted to the national tax office (shareholders' balance sheets are also accepted).</p> <p>Note: in case of multiple documents, promoters should zip the files.</p>
062	<p>Company Technical Expertise (Pass-Fail Criteria) (Mandatory)</p> <p>The project promoter has the technical expertise to realize the project by its own or by using subcontractors.</p> <p>Information on the company and its technical expertise, including references from other relevant projects or existing infrastructure, organization chart, CVs of key personnel. In case of subcontractors, a copy of the contract has to be provided. Anonymized and truncated documents are accepted if they are fit for the purpose.</p> <p>Note: in case of multiple documents, promoters should zip the files.</p>
072	<p>Please select one of the flowing options. In case the project fulfils more than one criteria please select multiple criteria.</p> <p>This table includes the evidence that promoters should submit to fulfil the administrative criteria. At least one of these criteria must be fulfilled. Please refer to table 3 in section 3.2 of GPI TYNDP 2024</p>
	<p><u>Inclusion in NDP</u></p>
074	<p>Is your project part of a National Development Plan (NDP)?</p> <p>Thick the box if your project is part of the latest approved NDP</p>
075	<p>Please indicate the name of the NDP in which your project is included (Mandatory)</p> <p>Self-explanatory</p>
076	<p>Please indicate the unique identification number of your project in the NDP (Mandatory)</p> <p>In case the NDP does not use reference numbers please indicate the name/label with which the project is identified in the NDP</p>
077	<p>Project NDP Website (Mandatory)</p> <p>Indicate the URL/link of the NDP website.</p>
078	<p>If is not part of NDP, please give a reason (Mandatory)</p> <p>Select the relevant reason in case your project is not included in the latest approved NDP.</p>
079	<p>NDP Release date</p> <p>Self-explanatory.</p>

	<p>Provide the non-binding written consent of the relevant authority (only relevant for Natural Gas Projects)</p> <p>A natural gas project which is not included in the latest NDP shall have the consent of the relevant authority (competent ministries or regulators).</p>
	<p>Relation with other TYNDP Projects</p>
081	<p>Is this project an internal enabler? (Mandatory)</p> <p>Select “Yes” or “No” as the case may be.</p> <p>A Project can be considered as an Enabler Project, when it is necessary for another Project (the Enabled Project) to be realized. For more details on “enabler” projects, please check the definition in the Glossary.</p>
082	<p>Enabled Projects</p> <p>Select from the previous TYNDP list/PCI submission the project(s) it enables.</p>
083	<p>If the project is not in the list provided, please indicate the project (Mandatory)</p> <p>If you cannot find the enabled project in the list provided in the portal, indicate the name of the project in this box.</p>
084	<p>Please explain the enabler relation with the selected project(s) (Mandatory)</p> <p>Please explain the enabler relation by indicating how the project enables the enabled project(s).</p>
085	<p>Is this project an enhancer? (Mandatory)</p> <p>Select “Yes” or “No” as the case may be. A Project can be considered as an Enhancer Project, when this project allows the enhanced project to operate at higher rate than when it operates on its own basis.</p>
086	<p>Enhanced projects</p> <p>If the case, select from the previous TYNDP list/PCI submission the project(s) it enhances.</p>
087	<p>If the project is not in the list provided, please indicate the project (Mandatory)</p> <p>If you cannot find the enhanced project in the list provided in the portal, indicate the name of the project in this box.</p>
088	<p>Please explain the enhancer relation with the selected project(s) (Mandatory)</p> <p>Please explain the enhancer relation by indicating how the project enhances the enhanced project(s).</p>
	<p>Technical Information</p>

089	<p>Indicate if your project is part of (Mandatory)</p> <p>In case your project is not a stand-alone project, but it is part of:</p> <ul style="list-style-type: none"> (1) Interconnection of 2 or more MSs; (2) Liquefied terminals and connecting pipe; (3) Storage and connecting pipe; (4) Production facility and connecting pipe; (5) Other functional related project groups; (6) Stand-alone project <p>please indicate this by selecting the relevant option. If it not the case, select “None of above”</p>
090	<p>Choose PRJ group (Mandatory)</p> <p>In case you selected one of the five options at the question above then here you have to create a new PRJ group or select an already existing one.</p> <p>Attention: before creating/selecting a PRJ group, please make sure that you coordinate with all the other concerned promoters. Only one promoter (to be chosen by you) is expected to initially create the PRJ group during its submission. All the other promoters will be able to select the PRJ group as created by the first promoter.</p> <p>Option 1) Create a new PRJ group: in case it does not exist yet, click “Create a new PRJ group” on the right. A new window will open with few additional questions.</p> <ul style="list-style-type: none"> - <i>Common name of the project:</i> please use one of the two conventions <ul style="list-style-type: none"> <i>Interconnector <Country A/Balancing zone A> - <Country B/Balancing zone B></i> <i>Terminal <name> and connecting pipe <name></i> <i>Storage facility <name> and connecting pipe <name></i> <i>Or</i> <i><common name> (e.g. The very Long pipeline project)</i> - <i>Common description of the TYNDP Project</i> - <i>Common description of the benefits stemming from the realization of the project</i> - <i>Which specific criteria are fulfilled by your project:</i> indicate the specific criteria fulfilled by the interlinked project i.e. Market Integration, Security of Supply, Competition, Sustainability <p><i>Other information: provide any other information which you may consider useful</i></p> <p>After filling in the boxes, please click the “Save” button and return to the main questionnaire. Promoters will be able to modify the submitted information in a specific report in the Portal.</p> <p>Option 2) Select a PRJ group: in case it does already exist, select it from the drop-down list.</p>
091	<p>Is this a multi-phase project? (Mandatory)</p> <p>In case your project is envisaged to be developed in more than 1 phase, select “Yes”. If it is not the case, select “No”.</p>

092	<p>Please describe an alternative(s) for project grouping that according to the relationship with other project(s) should be adopted by ENTSOG for performing PS-CBA groups</p> <p>The promoter can submit the project as part of a project group that will be considered by ENTSOG when performing PS-CBA. For more details on principles please refer to the section 8.1.2</p>
	<p style="text-align: center;"><u>Type Specific Information</u></p> <p>Please fill in all mandatory of this section for all projects.</p>
	<p>Depending on the selected subcategory (H2T, H2S, H2L, H2E, TRA, LNG, UGS, BIO, RET, CO2, OTH) different technical parameters will display (technical parameters for other sub-categories are hidden).</p> <p>Technical information is a mandatory field(s).</p>
97-127	<p>For NG subcategories (TRA, UGS and LNG):</p> <p>Indicate the name of the section (TRA) or phase (UGS or LNG).</p> <p>Please provide the different technical parameters of the different sections or phases of the project.</p>
131	<p>For BIO subcategory:</p> <p>Please indicate one of the following options:</p> <ul style="list-style-type: none"> - Network development projects enabling biomethane production to be injected into the transmission grid. - Project enabling reverse transportation from DSO grid to TSO grid.
132	<p>In case the project is project enabling reverse flow from DSO to TSO, please specify the expected load factor (%) in summer, and in winter. In addition, please indicate the prevailing direction of flows (from DSO to TSO or viceversa).</p>
131	<p>For RET subcategory:</p> <p>Please indicate the type of natural gas infrastructure retrofitted (NG transmission pipelines, NG underground storages or LNG terminals).</p> <p>Please provide the different technical parameters of the different sections or phases of the project</p> <p>Comments</p> <p>Provide any relevant comments related to the regarding the technical information of the project phase</p> <p>Commissioning Year</p> <p>Indicate the commissioning year of the described phase. In case there is only one phase, the commissioning year should correspond to the commissioning year of the project.</p>

230	<p>Please indicate the expected load factor of your project (when completed) on yearly basis</p> <p>Indicate the expected load factor after completion on a yearly basis in percentage. Load factor is defined as the percentage of the capacity that is utilized after the commissioning based on promoter's estimates. In case this question is not applicable for you please fill in "0".</p>
231	<p>Please indicate the expected load factor of your project (when completed) under peak situation</p> <p>Indicate the expected factor under peak situation in percentage. In case this question is not applicable for you please fill in "0".</p>
144-152	<p>For H2T subcategory:</p> <p>For H2T project, please include the different sections of the transmission pipeline as it follows:</p> <ul style="list-style-type: none"> - Indicate if the section of the pipeline is planned as a newly pipeline to transport pure hydrogen (new) or if is repurposed from natural gas infrastructure to hydrogen (repurposed). - Indicate the name of the section (e.g. Hydrogen pipeline from City 1-City 2) <p>Please provide the main technical parameters of the different sections of the project such as:</p> <p>length of the pipeline (unit: km)</p> <p>nominal diameter (unit: mm)</p> <p>expected installed capacity of compressor power (MW)</p> <p>maximum operating pressure,</p> <p>Comments</p> <ul style="list-style-type: none"> - Provide any relevant comments related to the regarding the technical information of the project section <p>Commissioning Year</p> <ul style="list-style-type: none"> - Indicate the commissioning year of the described phase. In case there is only one phase, the commissioning year should correspond to the commissioning year of the project.
153	<p>Does the project enable transport of Hydrogen production?</p> <p>(Y/N questions) Select Yes if the transmission project is expected to transport hydrogen locally produced.</p>
154	<p>Please select the indigenous hydrogen supply sources enabled by the project.</p> <p>Multiple selection is allowed.</p>
	<div data-bbox="810 1704 975 1767" style="text-align: center;"> <input type="button" value="Add To Grid"/> </div> <p>Note: To save the data provided in these sections please Press "Add To Grid" button for the information to be saved and to create additional lines.</p>

<p>168- 175</p>	<p>For H2L subcategory:</p> <p>For H2L project, please include the different phases of the project as it follows:</p> <ul style="list-style-type: none"> - Indicate if the phase is planned as a newly built infrastructure to import hydrogen (new) or if is repurposed from natural gas infrastructure to hydrogen (repurposed). - Select importing energy carrier (ammonia, methanol, other LHOC, liquified hydrogen) <p>Please provide the main technical parameters of the different phases of the storage project, such as:</p> <ul style="list-style-type: none"> - Hydrogen import capacity (in GWh) - Average efficiency of producing gaseous hydrogen from Expected installed capacity of compressor power (MW) - Storage capacity (in Gwh) <p>Comments</p> <ul style="list-style-type: none"> - Provide any relevant comments related to the regarding the technical information of the project phase. <p>Commissioning Year</p> <p>Indicate the commissioning year of the described phase. In case there is only one phase, the commissioning year should correspond to the commissioning year of the project.</p>
<p>176</p>	<p>Does your project include an export terminal ?</p> <p>If your project include also an export terminal please select “Yes” else “NO”</p>
<p>177- 181</p>	<p>Please provide the main technical parameters of the different phases of the storage project, such as:</p> <ul style="list-style-type: none"> - Hydrogen export capacity (in GWh) - Hydrogen liquefaction capacity (Tonnes/d) - Exporting Hydrogen carrier (Amonia, Liquid Hydrogen, Methanol or Other) <p>Comments</p> <p>Provide any relevant comments related to the regarding the technical information of the project phase.</p> <p>Commissioning Year</p> <p>Indicate the commissioning year of the described phase. In case there is only one phase, the commissioning year should correspond to the commissioning year of the project.</p>

<p>183-189</p>	<p>For H2S subcategory:</p> <p>For H2S project, please include the different phases of the project as it follows:</p> <ul style="list-style-type: none"> - Indicate if the phase is planned as a newly built infrastructure to store pure hydrogen (new) or if is repurposed from natural gas infrastructure to hydrogen (repurposed). - If new infrastructure is selected please indicate the name of the phase (e.g. First cavern) - If repurposed NG infrastructure is selected, please indicate the name of the repurposed infrastructure (e.g. Cavern Z from NG UGS YYY) <p>Please provide the main technical parameters of the different phases of the storage project, such as:</p> <ul style="list-style-type: none"> - Working gas volume (in GWh) - Geometrical volume (in Nm³) - Expected installed capacity of compressor power (MW) <p>Comments:</p> <ul style="list-style-type: none"> - Provide any relevant comments related to the regarding the technical information of the project section (e.g. assumed HCV/LCV) <p>Commissioning Year</p> <ul style="list-style-type: none"> - Indicate the commissioning year of the described phase of the storage. In case there is only one phase, the commissioning year should correspond to the commissioning year of the project.
<p>191-196</p>	<p>For H2M subcategory:</p> <p>Please provide the main technical parameters of the different phases of electrolyser project, such as:</p> <ul style="list-style-type: none"> - Expected hydrogen demand (in GWh/d) - Indicate the targeted subsector(s) - Indicate the replaced fuel (in case more than one fuel replaced, please indicate the shares) - Storage capacity (in GWh) <p>Comments</p> <ul style="list-style-type: none"> - Provide any relevant comments related to the regarding the technical information of the project phase <p>Commissioning Year</p> <ul style="list-style-type: none"> - Indicate the commissioning year of the described phase. In case there is only one phase, the commissioning year should correspond to the commissioning year of the project.

198-206	<p>For H2E subcategory:</p> <p>Please provide the main technical parameters of the different phases of electrolyser project, such as:</p> <ul style="list-style-type: none"> - Electrolyser capacity (in MWhel) - Average efficiency of the electrolyser (%) - Type of production - Connection capacity to electricity grid (MWhel/h) <p>Comments:</p> <ul style="list-style-type: none"> - Provide any relevant comments related to the regarding the technical information of the project phase <p>Commissioning Year</p> <ul style="list-style-type: none"> - Indicate the commissioning year of the described phase. In case there is only one phase, the commissioning year should correspond to the commissioning year of the project.
	<p align="center"><u>Project of Common Interest(PCI) Label</u></p>
235	<p>Is your project in the current legal PCI/PMI list?</p> <p>Select this option if the project is part of the 6th PCI List (current approved List)</p>
237	<p>Do you intend to apply for PCI/PMI label in the next PCI round? (Mandatory)</p> <p>Select this option if the project apply to the next PCI/PMI selection process.</p> <p>IMPORTANT!! ENTSOG is running only PS CBA for Projects having selected YES in this question</p>
239	<p>Please indicate to which TEN-E infrastructure you are applying for:</p> <p>Please indicate to which TEN-E infrastructure category you are applying for as defined in Annex II (3) and Annex II (a) Regulation (EU) 2022/869</p>
240	<p>Is the project part of an essential part of a planned cross-border hydrogen network?</p> <p>Please indicate if the project is part of an essential part of a planned cross-border hydrogen network? For electrolyser, hydrogen storage and hydrogen reception facilities projects "not applicable" may be selected. Question is referring to Annex IV 1.d of Regulation (EU) 869/2022</p>
241	<p>Please justify your answer.</p> <p>Please explain briefly the reasons behind your selection in previous question</p>
242	<p>What are the priority corridors where the project is assigned to? (Mandatory)</p> <p>Please indicate here the Priority Corridor as defined in Regulation (EU) 869/2022 Annex I.</p>

250	<p>Was your project part of any other PCI/PMI lists? If yes, please select the latest PCI/PMI list the project was part of</p> <p>In case your project was part of the PCI List from 2013 and/or 2015, 2017, 2019 or 2021 please select accordingly</p>
251	<p>Which criteria are fulfilled by your project?</p> <p>Thick the relevant box(es) in case your project is a PCI or you intend to apply to the next PCI round. (from art. 4.1.c and 4.2.c of Regulation (EU) 869/2022) You can select more than one option.</p>
254	<p>Any other impact</p> <p>Please explain any other impact of the project may have. In particular relevant for projects aiming to apply for PMI</p>
	<p>Which specific criteria are fulfilled by your project?</p> <p>Promoters have to indicate here which specific criteria (from art. 4.3.d or 4.3.e of Regulation (EU) 869/2022) their project fulfils. You can select more than one option.</p>
258	<p>Please specify how your project is specifically contributing to the selected criteria.</p> <p>Provide the necessary explanation how the project is specifically contributing to the criteria you have chosen before</p>
	<p style="text-align: center;"><u>Variant for Modelling</u></p> <p>Please create at least one variant (default variant) for modelling. If your project has more variants for modelling, click the button “Add to Grid” to create additional lines where to provide the additional variants.</p>
268	<p>Variant Name</p> <p>Provide a relevant name for the variant(s) inserted.</p>
269	<p>Variant Description</p> <p>Provide a description for the variant(s) indicating a few features of the variant.</p>
270	<p>Considered for Modelling</p> <p>Indicate the variant which should be used by ENTSOG for modelling the project. Please note that only one variant can be selected for modelling</p> <p>Press “Add to Grid” button for the information to be saved and to create additional lines.</p>
	<p style="text-align: center;"><u>Increments in Entry/Exit Capacity</u></p> <p>The capacity increments that the project bring should be provided under this section.</p> <p>If your project brings incremental capacity in more than one interconnection point, click the button “Add to Grid” to create additional lines where to provide the additional increments.</p> <p>Attention: failing to provide this information will result in the project being modelled with ZERO as capacity increment and therefore with no impact at all of the project in the assessment.</p>
271	<p>Operator</p> <p>Select the operator for which you want to submit the increment</p>

272	Point Select an interconnection point whose capacity will be modified by the project
273	Flow Direction Selecting “entry” means that ENTSOG will take into account your increment as additional firm capacity for gas to enter your system at the indicated interconnection point, resulting from the implementation of the project. Selecting “exit” means that ENTSOG will take into account your increment as additional firm capacity for gas to exit your system at the indicated interconnection point, resulting from the implementation of the project.
274	Status Promoter does not need to input data. The status will be automatically filled on by the system.
275	Variant Select the variant which to be used for modelling as indicated in the “Variant for modelling” section.
276	Commissioning Year Indicate the year when the incremental capacity is available. ENTSOG will model such capacity as available for the 1st January of the following year.
278	Increment Indicate the capacity (in GWh/day) brought by your project in the selected interconnection point in case of normal demand conditions. If your project has more capacity increments, click the button “ Add to Grid ” to create additional lines. Note: In case of a project between a country in the TYNDP perimeter and one outside it we will consider the capacity provided by the project side in the TYNDP perimeter
279	Peak Increment Indicate the incremental capacity (in GWh/day) brought by your project in the selected interconnection point in case of peak demand conditions. This figure represents the highest firm technical capacity the TSO is able to transport when high demand situation occurs. If your project has more capacity increments, click the button “Add to Grid” to create additional lines. Note: in case there is no difference in the capacity that the project can provide in normal and peak demand conditions, please indicate here the same value as indicated for question 70 (Increment).
280	Comment Add any comments you might have on the projected increment
281-282	Capacity Increment is related to: Transportable/storable gas and Share of selected gas/total capacity [%] Please select the transportable/storable gases by activating the check boxes and indicate the corresponding share of each selected gas compared to the total capacity in %.

Cross Border Cost Allocation and Financial Assistance	
283	<p>Does your project have a CBCA decision by NRAs or ACER ? (Mandatory)</p> <p>Cross-Border Cost Allocation (CBCA) deals with distribution of costs among all the countries which are affected positively and/or negatively by a gas infrastructure project having cross-border impact. A (CBCA) decision is issued by the relevant NRA or ACER following an investment request submitted beforehand by the project promoter. Please select the option which is relevant for your project.</p>
284	<p>If option 1, 2 or 3 - When the investment request was submitted/or you plan to submit it?</p> <p>In case you have submitted the investment request or plan to do it, indicate the date of submission or the date you plan to submit it.</p>
285	<p>If option 1 - When was the decision taken?</p> <p>In case a CBCA decision was taken/issued, indicate the date of the decision.</p>
286	<p>If option 1 - Please provide CBCA Decision Website</p> <p>In case a CBCA decision was taken/issued, indicate the website (link) where the decision is available.</p>
287	<p>If option 1 - Please list the countries identified from the CBCA decision as net benefiting countries</p> <p>In some cases, a CBCA decision can identify one or more countries as net beneficiaries of the project. Check the relevant country(ies) listed in the box.</p>
288	<p>If option 1 - Please list the countries identified from the CBCA decision as net cost bearers</p> <p>In some cases, a CBCA decision can identify one or more countries as net bearers of the project cost. Check the relevant country(ies) listed in the box</p>
289	<p>Please provide any additional comments</p> <p>Provide any additional information which you may consider relevant for this topic.</p>
290	<p>Have you already applied for financial support from the Connecting Europe Facility (CEF) (Mandatory)</p> <p>PCI projects are eligible for EU grants. Promoters can apply for financial support for studies and/or construction related works via the CEF programme which is a key EU funding instrument. Indicate if you have applied or intend to apply for such financial support.</p>
291	<p>If option 1 or 2 in question in above box list - Did your project request Union financial assistance in the form of grants for studies?</p> <p>Check the box if you applied for grants for studies under CEF.</p>
292	<p>Did you receive any grants for studies following your request? (Mandatory)</p> <p>Indicate if you received grants for studies following your request by selecting "Yes" or "No". If you haven't requested grants for studies select "Not applicable".</p>
293	<p>If yes, please indicate the amount [Mn EUR]</p> <p>If the case, indicate the amount of money in Mn EUR that was granted for studies</p>
294	<p>If option 1 or 2 in question in above box list - Did your project request Union financial assistance in the form of grants for works?</p> <p>If you applied for grants for works under CEF select "Yes" otherwise select "No".</p>

295	<p>Did you receive any grants for works following your request? (Mandatory)</p> <p>Indicate if you received grants for works following your request by selecting “Yes” or “No”. If you haven’t requested grants for works select “Not applicable”.</p>
296	<p>If yes, please indicate the amount [mln EUR]</p> <p>If the case, indicate the amount of money in Mln EUR that was granted for the construction related works</p>
297	<p>If option 3 in question - Do you intend to apply for financial support from the Connecting Europe Facility?</p> <p>In case you have not applied yet for financial support from CEF, indicate if you plan to do this in the future.</p>
298	<p>Have you received any financial support from funding programmes other than CEF at European, regional or national level? (Mandatory)</p> <p>Beside CEF, other funding programmes are available. Indicate if your project received financial grants via programmes other than CEF.</p>
299	<p>Please Provide details</p> <p>If the case, indicate details regarding the financial support received by mentioning the programme, the amount received, the date you received the grants, etc.</p>
300	<p>Do you plan to apply for any other type of financial assistance? (Mandatory)</p> <p>Beside CEF, other funding programs are available. Indicate if your project received financial grants via programs other than CEF.</p>
302	<p>Please Provide any further relevant details</p> <p>Provide any additional information which you may consider relevant for this section.</p>
	<div style="text-align: center;"> <p><u>Project Schedule</u></p> </div> <p>The data to be provided in this section are related to the overall project. E.g. for Feasibility: Start date should correspond to the start of feasibility for 1st phase while End date should correspond to the end of feasibility for the last phase of the project. If certain phases of the project cannot be assimilated to the overall project due to big gaps in terms of project maturity, then 2 or more projects should be created and submitted in the portal. Promoters are therefore expected to fill in this information properly.</p>
304	<p>Pre-Feasibility (Mandatory)</p> <p>Indicate the start date and the end date of the pre-feasibility study by using the calendars provided. If you only know the year (e.g. YYYY), enter 1/1/YYYY. If you know the month and the year (e.g. MM), enter 1/MM/YYYY. Otherwise, enter the full date. In case no data is available, please tick “Info not available” and provide in the box the reason.</p>
305	<p>Feasibility (Mandatory)</p> <p>Indicate the start date and the end date of the feasibility study by using the calendars provided. If you only know the year (e.g. YYYY), enter 1/1/YYYY. If you know the month and the year (e.g. MM), enter 1/MM/YYYY. Otherwise, enter the full date. In case no data is available, please tick “Info not available” and provide in the box the reason.</p>

306	FEED (Mandatory) Indicate the start date and the end date of the Front End Engineering Design (FEED) by using the calendars provided. If you only know the year (e.g. YYYY), enter 1/1/YYYY. If you know the month and the year (e.g. MM), enter 1/MM/YYYY. Otherwise, enter the full date.
307	Permitting Phase (Mandatory) Indicate the start date and the end date of the permitting phase by using the calendars provided. If you only know the year (e.g. YYYY), enter 1/1/YYYY. If you know the month and the year (e.g. MM), enter 1/MM/YYYY. Otherwise, enter the full date.
308	Supply Contracts (Mandatory) With this question, we refer to services and products (long lead items, compressor stations, construction, etc.) to be procured from external service providers via tendering (and not the supply of the gas). Indicate the date when the supply contracts have been signed by using the calendars provided. If you only know the year (e.g. YYYY), enter 1/1/YYYY. If you know the month and the year (e.g. MM), enter 1/MM/YYYY. Otherwise, enter the full date. In case no data is available, please tick “info not available” and provide in the box the reason.
309	Expected FID (Mandatory) Indicate the date when the Final Investment Decision has been taken by using the calendars provided. If you only know the year (e.g. YYYY), enter 1/1/YYYY. If you know the month and the year (e.g. MM), enter 1/MM/YYYY. Otherwise, enter the full date.
310	Construction (Mandatory) Indicate the start date and the end date of the permitting phase by using the calendars provided. If you only know the year (e.g. YYYY), enter 1/1/YYYY. If you know the month and the year (e.g. MM), enter 1/MM/YYYY. Otherwise, enter the full date.
311	Project Advancement Please indicate the project advancement by selecting one of the options from the list
312	Comments about Project Advancement and justification for timeline Provide comments regarding the project advancement
313	Project's Expected Commissioning Year (Mandatory) Indicate the estimated project's commissioning year
314	Please provide the expected timeline for the different expected phases of your project, from COP to post decommissioning activities (only relevant for decommissioning projects of natural gas infrastructure) Indicate and detail what is expected for the project for the COP and post decommissioning activities
315	Date of grant obtention for studies/for works If the case, indicate the date when the grant for studies/works have been obtained.

316	Comments about the schedule, including Realisation Conditions Please enter any additional comment on the schedule, and precise the conditions for realization if there are any.
317	Compared to previous TYNDP indicate if your project is: If the project was included in previous TYNDP you provided a project schedule as done above for this TYNDP. Indicate if, compared to the schedule/status indicated before your project is now “on time” i.e. you keep the same commissioning year, “ahead of schedule” i.e. the commissioning year has been moved earlier, “delayed” i.e. the commissioning year has been moved later, or “rescheduled” meaning that the concept of the project has been reviewed and changed.
318	Delay Explanation: In case you selected “delayed” before, please provide the reasons for the delay.
	<div style="text-align: center;"> Market Test </div>
319	Have you consulted the market regarding potential interests on the market? (Mandatory) In case you have consulted the market, select “Yes” . If it was not the case, select “No” .
320	Date of the consultation (Mandatory) Indicate the start date and the end date of your market consultation by using the calendars provided. If you only know only the year (e.g. YYYY), enter 1/1/YYYY. If you know the month and the year (e.g. MM), enter 1/MM/YYYY. Otherwise, enter the full date.
321	Please provide a summary of information consulted to the market (Mandatory) Please provide a summary of the content and questions of the conducted market consultation
322	Please summarize results of the consultation (Mandatory) Please provide a brief summary of the results of your market consultation
323	Link to the consultation (Mandatory) Indicate the link to the online consultation if available. If no link is available, please provide justification.
324	Are you planning to run a market consultation? (Mandatory) In case you are planning to consult the market, select “Yes” . If it is not the case, select “No” .
325	Expected date of market consultation (Mandatory) If “yes” selected in above question, indicate the expected start date and the end date of the consultation by using the calendars provided. If you only know the year (e.g. YYYY), enter 1/1/YYYY. If you know the month and the year (e.g. MM), enter 1/MM/YYYY. Otherwise, enter the full date.
	<div style="text-align: center;"> Project Expected Impact </div> <p>Questions under this section are designed to gather information regarding the expected impact and benefits of your projects.</p>

326	Main Project Drivers(s) (Mandatory) Select from the list the main driver(s) which triggered the project.
327	Does the project contribute to any of the following (Mandatory) In case "Sustainability" selected above, please indicate from the list if the project is contributing to these sustainability improvements
329	Comments on the Main Project Driver (Mandatory) Provide any comments by explaining the context in which the main driver triggered the project
330	In line with the definition of Gasification provided in the Handbook, does your project contribute to the gasification of a country or the gasification of a specific area not reached yet by gas? (Mandatory) Here you can select whether the project brings gas to (1) a country not yet reached by gas or (2) to an isolated area of a country itself gas is already consumed or (3) to a specific sector replacing other fuels. If this is not the case, select "No". In case your project contributes to the gasification please justify and quantify the selected answer.
332	Please provide your project expected benefits (Mandatory) Provide the benefits of your project both national and cross-border.
333	Impacted countries and relevant information. (Mandatory) List the impacted countries further and give relevant information
335	Please describe and quantify any possible positive impact of the project on climate change (Mandatory) Please describe and quantify any possible positive impact of the project on climate change
336	Please describe and quantify any possible negative impact of the project on climate change (Mandatory) Please describe and quantify any possible negative impact of the project on climate change
351	Any other impact (Mandatory) Provide here any other impacts of your project, not yet mentioned above
	<div style="text-align: center;"> Expected Supply Sources </div> <p>In this section background information on the supply sources for your projects are collected. Please select the country where the gas is produced or the method of hydrogen production. In case it is LNG, LH2 or other liquid carriers, further indicate the country the supply is coming from.</p>
353	Please provide the background for the supply sources the project will be supplied with. (Mandatory) Promoter should indicate any information which could bring evidence that the selected supply source will feed the projects (e.g. Supply Contracts, other agreements, etc.).

	Measures / Actions to reduce methane emissions Only applicable for subcategory TRA, UGS, LNG and RET. This section is divided. The first part concentrate on measures during the engineering, design and construction phase. The second part include questions regarding mitigating measures during start up and operation.
355	Does the design and construction of the project minimizes the number of connections and components that commonly leak? (Mandatory) If the design and construction considers the minimization of connections and components that commonly leak select “Yes” otherwise select “No”. Proofing documents can be uploaded.
356	Does the design and construction include measures for recapture/reuse of gas when possible (compressors, analysis equipment...)? (Mandatory) If the design and construction includes measures for recapture/reuse of gas select “Yes” otherwise select “No”. Proofing documents can be uploaded.
357	Does the design and construction avoid or minimize the installation of vents (TRA and UGS only)? (Mandatory) If the design and construction avoid or minimize the installation of vents select “Yes” otherwise select “No”. If is question is not relevant please select “N/A”. Further comments can be included.
359	Does the design and construction prioritize the use of electric, mechanical and compressed air equipment (pneumatic controllers, compressor starters)? (Mandatory) If the design and construction prioritize the use of electric, mechanical and compressed air equipment select “Yes” otherwise select “No”. Proofing documents can be uploaded.
360	In case that devices powered by natural gas are the best option, will lower emissions devices be used (instead of highbleed controllers)? (Mandatory) If lower emissions devices are used where natural gas devices are the best option select “Yes” otherwise select “No”. Further comments can be included.
362	Does the design and construction foresee to install dry disconnect couplings in the LNG truck loading facilities (LNG only)? (Mandatory) If the design and construction foresee to install dry disconnect couplings in the LNG truck loading facilities select “Yes” otherwise select “No”. This question is only relevant for Terminal projects, promoter of other projects categories select “N/A”.
363	Does the design and construction consider to implement BOG recovery units to recover, compress and send the BOG to the recondenser to be converted to LNG (LNG only)? (Mandatory) If the design and construction consider to implement BOG recovery units select “Yes” otherwise select “No”. This question is only relevant for Terminal projects, promoter of other projects categories select “N/A”.

364	<p>Is it planned to install automated air/fuel ratio controls? (Mandatory)</p> <p>If it is planned to install automated air/fuel ratio controls select “Yes” otherwise select “No”.</p>
365	<p>Please provide an estimation of the expected methane emissions [in kg CH₄/y] once the facility has been commissioned and describe how these emissions were calculated. If not applicable, please justify. (Mandatory)</p> <p>Estimation of the expected methane emission of the project(s). If N/A please provide explanation on the reason(s). Indicate which methodology was used. One example could be a estimation based on Marcogaz methodology for submission of methane emissions for existing infrastructure. Further information can be found here: https://www.marcogaz.org/wp-content/uploads/2021/04/WG_ME-710.pdf</p>
366	<p>Are periodic leak detection and repair (LDAR) programs for fugitive emissions planned during the start-up phase? (Mandatory)</p> <p>Indicate if periodic leak detection and repair (LDAR) programs for fugitive emissions are planned. Select one of the available options and use the comment box for further comments. More information can be found on: https://www.marcogaz.org/publications/recommendations-on-ldar-campaigns/</p>
368	<p>Are steps planned to reduce venting from routine maintenance repairs when pipelines and or large vessels need to be depressurized during operation?</p> <p>Indicate if steps are planned to reduce venting from routine maintenance repairs when pipelines and /or large vessels need to be depressurized during operation. Select one of the available options and use the comment box for further explanations.</p>
369	<p>Does the operator plan to minimize the volume that has to be depressurized during venting?</p> <p>Indicate if the operator plans to minimize the volume that has to be depressed by choosing one of the available answer options.</p>
370	<p>Does the operator plan to use pumpdowns for depressurizing pipelines and large vessels during maintenance?</p> <p>Indicate if the operator plans to use pump downs for depressurizing pipelines and large vessels during the maintenance by choosing one of the available answer options.</p>
371	<p>Does the operator plan the usage of hot-taps to make connections to pipelines?</p> <p>Indicate if the operator plans the usage of hot taps to make connections to pipelines by choosing one of the available options.</p>
372	<p>Is it planned to use portable compressors to avoid vents during start-up and operation?</p> <p>Indicate if it's planned to use portable compressors to avoid vents during start-up and operations by choosing one of the available options.</p>
373	<p>In case that venting can not be avoided will vented gases flared?</p> <p>Indicate if in case venting cannot be avoided vented gases will be flared by choosing one of the available options.</p>

374	<p>Will LNG truck loading nitro injection or dry coupling used to avoid venting (LNG only)? (Mandatory)</p> <p>If LNG truck loading nitro injection or dry coupling used to avoid venting, select “Yes” otherwise select “No”. This question is only relevant for Terminal projects, promoter of other projects categories select “N/A”.</p>
375	<p>Are LNG terminals BOG compressors used under normal operation conditions (LNG only)? (Mandatory)</p> <p>If LNG terminals BOG compressors are used under normal operation conditions select “Yes” otherwise select “No”. This question is only relevant for Terminal projects, promoter of other projects categories select “N/A”.</p>
376	<p>Does the operator aspires increasing the combustion efficiency of natural-gas powered engines? (Mandatory)</p> <p>Indicate if the operator aspires increasing combustion efficiency of natural gas powered engines by choosing one of the following options.</p>
377	<p>Does the operator aspire to minimize number of start-ups (engines, turbines and fired heaters)? (Mandatory)</p> <p>Indicate if the operator aspires to minimize number of starts-ups (engines, turbines and fired heaters) by choosing one of the following options.</p>
378	<p>It is mandatory to keep an accurate inventory of flaring activities during start-up and operation (UGS, LNG only)? (Mandatory)</p> <p>If it is mandatory to keep an accurate inventory of flaring activities during start-up and operations select “Yes” otherwise select “No”.</p>
379	<p>Please list technical evidence to support the implementation of the selected mitigation measures (during engineering design, construction and start-up stages of the project).</p> <p>List the technical evidence to back up the listed mitigation measures.</p>
380	<p>Additional Mitigation measures (not included above).</p> <p>If there are additional measure to mitigate methane emissions please list them here. Or provide justification when a mitigation measure it NOT applicable to the project group.</p>
381	<p>Did Promoter(s) join/intend to join the OGMP 2.0 Reporting Framework? (Mandatory)</p> <p>If the promoter(s) join or intend to join the OGMP 2.0 Reporting Framework select “Yes” otherwise select “No”. If intended in the near future please give an approx. Date/Year in the comment Box.</p>
	<p style="text-align: center;"><u>Intergovernmental Agreement</u></p>
391	<p>Agreement Name</p> <p>In case there is an Intergovernmental Agreement for your project, indicate the name.</p>

392	Signed Check the box if the Intergovernmental Agreement has been signed by all involved parties.
393	Date If the case, indicate the date of signature by using the calendar
394	Description Indicate the object of the Intergovernmental Agreement and the parties involved.
395	Other comments Provide any comments which you consider relevant for this section.
	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> Barriers in Implementation </div>
396	Regulatory Framework In case the existing regulatory framework is a barrier for implementing your project, select the relevant reasons. If the reasons are not among those listed, click “Other please specify” and use the displayed box to provide the reasons.
399	Permit granting In case the existing permit granting procedure is a barrier for implementing your project, select the relevant explanation.
400	Financing In case the financing of the project is a barrier for implementing your project, select the relevant reasons. If the reasons are not among those listed, click “Other please specify” and use the displayed box to provide the reasons.
402	Political In case the existing political environment is a barrier for implementing your project, provide in the box the relevant explanations.
403	Market In case the existing market conditions are a barrier for implementing your project, select the relevant reasons. If the reasons are not among those listed, click “Other please specify” and use the displayed box to provide the reasons.
404	Project acceptability by the local community. Indicate how the local community evaluate the project.
405	Technical/Technological. In case that there are any technical or technological barriers please list and explain them
408	Value chain Indicate if one or both options are barriers for the implementation of your project(s) regarding the value chain by selecting the checkboxes.
409	Other Barriers, please explain If the barriers for your project are not among those proposed by ENTSOG in the questionnaire, use this box to provide them.

410	Which incentives would support your project implementation According to the Regulation 347/2013 on guidelines for trans-European energy infrastructure, incentives may be granted to projects in order to support their implementation. Provide in the box those incentives which may help your project.
411	Have you received additional regulatory incentives for your PCI project If the case, indicate in the box the regulatory incentives that have been already granted for your project.
412	<div style="text-align: center;">Legal Notice</div> <p>In order to be able to submit the project, you need to acknowledge, confirm or undertake the terms listed under the legal notice. If you agree, check the box “I confirm” at the end of the legal notice</p>
414	<div style="text-align: center;">MAP</div> <p>Failing to provide the location of the project will prevent the project to comply with one of the technical criteria defined in the PID and it will result in the rejection of the project.</p>
	Please upload a map of your project (Mandatory) For this purpose, use the following steps: <ul style="list-style-type: none"> - Open the Annex IV - Map Positioning Template Power Point file - Create the Project Layout as explained in the Power Point file. - Upload the Power Point file in this section Note: in case a project is in a phase where alternative options are still possible promoters can upload more options but have to indicate the most plausible.
	<div style="text-align: center;">Upload Document</div>
415	Please upload any additional document Upload any additional document which you did not have the chance to upload in the relevant sections of the questionnaire.
416	<div style="text-align: center;"> <div style="border: 1px solid black; padding: 5px; display: inline-block;">Submit</div> </div> <p>After filling in all the relevant fields, click on the “Submit” button at the end of the page. If the project cannot be submitted, it means that some of the mandatory fields have not been filled in. These fields should be highlighted with the red message “Required”. Fill all these fields and click again on the “Submit” button.</p>