

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Red Eléctrica de España S.A. (REE),
Rede Eléctrica Nacional S.A. (REN)

PCI or PMI

PCI

PCI/PMI number

1.1

EU TYNDP 2022 project code

TR 4

Project category

Electricity transmission

Priority corridor

NSI West Electricity

Hosting countries

Spain (ES), Portugal (PT)

Reference date

28/11/2024

Reporting period

01 February 2023 – 28 November 2024

PCI website

<https://www.ren.pt/en-gb/activity/main-projects/portugal-spain-interconnection>; <https://www.ree.es/en/activities/electrical-planning/projects-of-common-interest>

Portugal-Spain interconnection between Beariz-Fontefría, Fontefria-Ponte de Lima and Ponte de Lima-Vila Nova de Famalicão, including substations in Beariz, Fontefría and Ponte de Lima

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under construction	Delayed	Apr-2025
2023	Permitting	Delayed	Dec-2024
2022	Permitting	Delayed	Jun-2024
2021	Permitting	Delayed	Dec-2023
2020	Permitting	Delayed	Dec-2022
2019	Permitting	-	Dec-2021

Main reason for rescheduling/delay during the reporting period:

PERMITTING - Delays due to other permit granting reasons; Delays due to correlation with other delayed infrastructure investments; Delays in construction works

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	144.517	0	+10/-10	0.976
2023	110.97	-	+10/-10	0.999
2022	113.44	0	+10/-10	1.092
2021	113.44	0	+10/-10	1.092
2020	111.94	0	+10/-10	1.092

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	May-2008	Feb-2019
Permit granting	Jun-2013	No data
Construction	Oct-2019	Apr-2025

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) do not plan to apply in the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) do not plan to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have no intentions to apply in the future.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Red Eléctrica de España S.A. (REE),
Réseau de Transport d'Electricité (RTE)

PCI or PMI

PCI

PCI/PMI number

1.2

EU TYNDP 2022 project code

TR 16

Project category

Electricity transmission

Priority corridor

NSI West Electricity

Hosting countries

Spain (ES), France (FR)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.inelfe.eu/en/projects/bay-biscay>

Biscay Gulf

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under construction	On time	Dec-2028
2023	Permitting	Delayed	Dec-2028
2022	Permitting	On time	Dec-2027
2021	Permitting	Delayed	Dec-2027
2020	Permitting	Delayed	Aug-2027
2019	Permitting	-	May-2025

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	3100	0	-/-	11
2023	3100	-	+/-	11
2022	1950	-	+/-	10.2
2021	1950	-	+/-	10.2
2020	1750	-	+/-	10.2

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	Jun-2017	Dec-2023
Construction	Oct-2023	Dec-2028

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	The project promoter(s) submitted an investment request (CBCA).
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment
Project promoter	Costs	Estimation for the rest of year 2024 and all issued invoices from the beginning of the project.

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

EirGrid plc, Réseau de Transport
d'Electricité (RTE)

PCI or PMI

PCI

PCI/PMI number

1.3

EU TYNDP 2022 project code

TR 107

Project category

Electricity transmission

Priority corridor

NSI West Electricity

Hosting countries

Ireland (IE), France (FR)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

www.celticinterconnector.eu

Celtic Interconnector

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under construction	On time	Mar-2027
2023	Under construction	On time	Mar-2027
2022	Permitting	Rescheduled	Mar-2027
2021	Planned but not yet in permitting	Delayed	Dec-2026
2020	Planned but not yet in permitting	On time	Nov-2026
2019	Planned but not yet in permitting	-	Nov-2026

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	1623	0	+0/-0	16.8
2023	1623	0	+0/-0	8.4
2022	1100	0	+10/-10	8.4
2021	1000	0	+10/-10	8.4
2020	930	0	+15/-12	8.4

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jun-2013	Dec-2013
Permit granting	Mar-2019	Jun-2022
Construction	Dec-2022	Mar-2027

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	The project promoter(s) submitted an investment request (CBCA).
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have no intentions to apply in the future.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Amprion GmbH

PCI or PMI

PCI

PCI/PMI number

1.4.1

EU TYNDP 2022 project code

TR 132

Project category

Electricity transmission

Priority corridor

NSI West Electricity

Hosting countries

Germany (DE)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://a-nord.amprion.net/>

HVDC Line A-North

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Permitting	On time	Jul-2027
2023	Permitting	On time	Jul-2027
2022	Permitting	Rescheduled	Jul-2027
2021	Permitting	-	Dec-2025

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	3128		+0/-0	25
2023	2860	-	+10/-10	23
2022	2860	0	+10/-10	23
2021	2300	-	+/-	18.4

Reasons for changes in cost data during the reporting period:

The CAPEX data are provided as considered within "investment measures" according to sec. 23 of the German Incentive Regulation Ordinance (Anreizregulierungsverordnung, ARegV).

Future variations, also potentially beyond the 10% threshold indicated above at which BNetzA require the submission of a change-request for the respective investment measure, are possible due to, inter alia, low maturity, new technologies, cable/OHL ratio, tendering results and other unforeseen circumstances. Cost estimations are two-fold: based on specific contracts (converter & cable) as well on generic assumptions (construction works).

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Nov-2012	Jul-2013
Permit granting	Oct-2021	Jan-2025
Construction	May-2024	Jul-2027

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) do not plan to apply in the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) do not plan to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have no intentions to apply in the future.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

GENERAL DATA

Project promoters

Amprion GmbH

PCI or PMI

PCI

PCI/PMI number

1.4.2

EU TYNDP 2022 project code

TR 1034

Project category

Electricity transmission

Priority corridor

NSI West Electricity

Hosting countries

Germany (DE)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://korridor-b.amprion.net/>

Internal lines between Heide/West to Polsum to increase capacity from Northern Germany to Ruhr-Area

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2032
2023	Planned but not yet in permitting	On time	Dec-2032
2022	Planned but not yet in permitting	Rescheduled	Dec-2032
2021	Planned but not yet in permitting	-	Dec-2030

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	5732		+10/-10	45.8
2023	4061	-	+10/-10	33
2022	2936	0	+10/-10	24
2021	2646	-	+10/-10	21.2

Reasons for changes in cost data during the reporting period:

Cost estimations are two-fold: based on specific contracts (converter & cable) as well on generic assumptions (construction works). Cost estimations are based on standard costs and can only be made with a higher level of certainty once the decision on the Federal Sectoral Planning has been taken for all sections, as this will narrow down the final routing significantly. Due to legal requirements, empty cable duct systems will be constructed in parallel so that additional HVDC cables can be inserted at a later date in order to further increase the transmission capacity to the Ruhr-Area.

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Dec-2019	Mar-2021
Permit granting	Jan-2028	May-2029
Construction	Jan-2029	Sep-2032

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) do not plan to apply in the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) do not plan to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have no intentions to apply in the future.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

GENERAL DATA

Project promoters

Amprion GmbH

PCI or PMI

PCI

PCI/PMI number

1.4.3

EU TYNDP 2022 project code

TR 1034

Project category

Electricity transmission

Priority corridor

NSI West Electricity

Hosting countries

Germany (DE)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://korridor-b.amprion.net/>

Internal lines between Wilhelmshaven to Uentrop to increase capacity from North. Germ. to Ruhr-Area

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2032
2023	Planned but not yet in permitting	On time	Dec-2032
2022	Planned but not yet in permitting	Rescheduled	Dec-2032
2021	Planned but not yet in permitting	-	Dec-2030

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	3981		+10/-10	31.8
2023	2995	-	+10/-10	24
2022	4061	0	+10/-10	33
2021	1735	-	+10/-10	13.9

Reasons for changes in cost data during the reporting period:

Cost estimations are two-fold: based on specific contracts (converter & cable) as well on generic assumptions (construction works). Cost estimations are based on standard costs and can only be made with a higher level of certainty once the decision on the Federal Sectoral Planning has been taken for all sections, as this will narrow down the final routing significantly. Due to legal requirements, empty cable duct systems will be constructed in parallel so that additional HVDC cables can be inserted at a later date in order to further increase the transmission capacity to the Ruhr-Area.

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Dec-2019	Mar-2021
Permit granting	Dec-2027	Apr-2029
Construction	Mar-2029	Sep-2032

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) do not plan to apply in the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) do not plan to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have no intentions to apply in the future.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

TenneT TSO GmbH (DE), TransnetBW GmbH

PCI or PMI

PCI

PCI/PMI number

1.5

EU TYNDP 2022 project code

TR 235

Project category

Electricity transmission

Priority corridor

NSI West Electricity

Hosting countries

Germany (DE)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

TransnetBW: <https://www.suedlink.com/>, stromnetzdc.com
TenneT DE: <https://www.tennet.eu/de/de/projekte/suedlinkstromnetzdc.com>

Suedlink

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Permitting	On time	Dec-2028
2023	Permitting	On time	Dec-2028
2022	Permitting	Delayed	Dec-2028
2021	Planned but not yet in permitting	On time	Dec-2026
2020	Planned but not yet in permitting	Delayed	Dec-2026
2019	Planned but not yet in permitting	-	Dec-2025

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	10600	0	+20/-20	84.8
2023	10500	0	+20/-20	84
2022	9560	0	+20/-20	77
2021	9560	0	+20/-20	76.5
2020	6500	0	+50/-20	52

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	May-2012	Jul-2013
Permit granting	Feb-2020	Jun-2025
Construction	Jul-2023	Dec-2028

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) do not plan to apply in the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) do not plan to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have no intentions to apply in the future.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Amprion GmbH, TransnetBW GmbH

PCI or PMI

PCI

PCI/PMI number

1.6

EU TYNDP 2022 project code

TR 254

Project category

Electricity transmission

Priority corridor

NSI West Electricity

Hosting countries

Germany (DE)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.transnetbw.de/de/ultraneth>
<https://ultranet.amprion.net/>

UltraneT

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Permitting	On time	Dec-2026
2023	Permitting	Ahead of schedule	Dec-2026
2022	Planned but not yet in permitting	Delayed	Dec-2027
2021	Planned but not yet in permitting	On time	Dec-2024
2020	Planned but not yet in permitting	Delayed	Dec-2024
2019	Planned but not yet in permitting	-	Dec-2023

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	2180	0	+10/-10	17.4
2023	1540	0	+10/-10	12.3
2022	1250	-	+10/-10	10
2021	1250	-	+10/-10	10
2020	1070	-	+50/-10	8.6

Reasons for changes in cost data during the reporting period:

These CAPEX are provided as considered within "investment measures" according to sec. 23 of the German Incentive Regulation Ordinance (Anreizregulierungsverordnung, ARegV).

Future variations, also potentially beyond the 10% threshold indicated above at which BNetzA requires the submission of a change-request for the respective investment measure, are possible due to, inter alia, low maturity, new technologies, cable/OHL ratio, tendering results and other unforeseen circumstances. Cost estimations are two-fold: based on specific contracts (converter & cable) as well as on generic assumptions (construction works).

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	May-2012	Jul-2013
Permit granting	Apr-2019	Sep-2025
Construction	Sep-2023	Dec-2026

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) do not plan to apply in the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) do not plan to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have no intentions to apply in the future.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Red Eléctrica de España S.A. (REE),
Réseau de Transport d'Electricité (RTE)

PCI or PMI

PCI

PCI/PMI number

1.7.1

EU TYNDP 2022 project code

TR 276

Project category

Electricity transmission

Priority corridor

NSI West Electricity

Hosting countries

Spain (ES), France (FR)

Reference date

28/11/2024

Reporting period

01 February 2023 – 28 November 2024

PCI website

[No PCI website yet](#)

Interconnection between Navarra (ES) and Landes (FR)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under consideration	Rescheduled	Dec-2036
2023	Under consideration	On time	Dec-2030
2022	Under consideration	Rescheduled	Dec-2030
2021	Under consideration	On time	Sep-2029
2020	Planned but not yet in permitting	On time	Sep-2029
2019	Planned but not yet in permitting	-	Sep-2029

Main reason for rescheduling/delay during the reporting period:

Pending NDP inclusion in FR

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	2609	0	+30/-10	9.5
2023	1554	-	+30/-10	9.5
2022	1470	-	+/-	9.5
2021	1470	-	+/-	9.5
2020	1470	-	+/-	9.5

Reasons for changes in cost data during the reporting period:

Project is in consideration stage and cost estimates are rather uncertain.

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Apr-2024	Jan-2025
Permit granting	Jan-2026	Dec-2029
Construction	Jan-2030	Dec-2036

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) have not decided yet on the intentions for the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. However, the project promoter(s) plan to submit a CBCA in the future.
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment
Project promoter	General aspects	According to the TYNDP2024 Project Sheet, this infrastructure is now part of the Aragon-Pirineos project (Project 270 TYNDP2024 and PCI 1.7.2)

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Red Eléctrica de España S.A. (REE),
Réseau de Transport d'Electricité (RTE)

PCI or PMI

PCI

PCI/PMI number

1.7.2

EU TYNDP 2022 project code

TR 270

Project category

Electricity transmission

Priority corridor

NSI West Electricity

Hosting countries

Spain (ES), France (FR)

Reference date

28/11/2024

Reporting period

01 February 2023 – 28 November 2024

PCI website

[No PCI website yet](#)

Interconnection between Aragón (ES) and Atlantic Pyrenees (FR)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under consideration	Rescheduled	Dec-2041
2023	Under consideration	On time	Sep-2030
2022	Under consideration	Rescheduled	Sep-2030
2021	Under consideration	On time	Mar-2030
2020	Planned but not yet in permitting	On time	Mar-2030
2019	Planned but not yet in permitting	-	Mar-2030

Main reason for rescheduling/delay during the reporting period:

The schedule of the project has been updated, taking into account the current status of the project, its complexity, and the required sequencing with other related network reinforcement, including project P276; Pending NDP inclusion in FR

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	2372	0	+30/-10	6.03
2023	1221	-	+30/-10	6.03
2022	1170	-	+/-	6.03
2021	1170	-	+/-	6.03
2020	1170	-	+/-	6.03

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Apr-2024	Jan-2025
Permit granting	Jun-2026	Dec-2034
Construction	Jan-2030	Dec-2041

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. However, the project promoter(s) plan to apply in the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. However, the project promoter(s) plan to submit a CBCA in the future.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have no intentions to apply in the future.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Réseau de Transport d'Electricité (RTE),
Elia Transmission Belgium

PCI or PMI

PCI

PCI/PMI number

1.8

EU TYNDP 2022 project code

TR 280

Project category

Electricity transmission

Priority corridor

NSI West Electricity

Hosting countries

France (FR), Belgium (BE)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.elia.be/fr/infrastructure-et-projets/projets-infrastructure/lonny-achene-gramme>

FR-BE: study Lonny-Achene-Gramme

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2030
2023	Under consideration	On time	Dec-2030
2022	Under consideration	On time	Dec-2030
2021	Under consideration	-	Dec-2030

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	160	0	+10/-10	0.84
2023	121.06	-	+20/-20	0.1
2022	105	0	+20/-20	0.1
2021	90	-	+/-	0.1

Reasons for changes in cost data during the reporting period:

PCI/PMI MONITORING 2025

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: environmental; Public consultation; Preparation of permitting files, contracts and other documents; Negotiations with landowners and land acquisition; Detailed technical design; Tendering

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Feb-2025	Feb-2025
Permit granting	Jun-2024	Sep-2028
Construction	Jan-2027	Dec-2030

REGULATORY TREATMENT

Exemption ³	Not applicable/available to the project
Cross Border Cost Allocation ⁴	Not applicable/available to the project
Project specific risk-based incentives ⁵	Not applicable/available to the project

COMMENTS

Entity	Category	Comment
Project promoter	Costs	Increase cost due to increase of aerial cable replacement.

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Elia Transmission Belgium

PCI or PMI

PCI

PCI/PMI number

1.9

EU TYNDP 2022 project code

TR 297

Project category

Electricity transmission

Priority corridor

NSI West Electricity

Hosting countries

Belgium (BE)

Reference date

28/11/2024

Reporting period

01 February 2023 – 28 November 2024

PCI website

<https://www.elia.be/nl/infrastructuur-en-projecten/infrastructuurprojecten/brabo>
<https://www.elia.be/nl/infrastructuur-en-projecten/infrastructuurprojecten/brabo-III>

BRABO II + III

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under construction	Rescheduled	Jan-2027
2023	Permitting	Delayed	Dec-2026
2022	Permitting	On time	Dec-2025
2021	Permitting	On time	Dec-2025
2020	Permitting	On time	Dec-2025
2019	Permitting		Dec-2025

Main reason for rescheduling/delay during the reporting period:

New detailed planning

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	276.2	0	+11/-9	0.45
2023	253.28	0	+7/-4	0.4
2022	248.93	0	+7/-4	0.28
2021	211.59	0	+5/-0	0.33
2020	190.09	0	+5/-0	0.33

Reasons for changes in cost data during the reporting period:

PCI/PMI MONITORING 2025

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Construction

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	-	Sep-2011
Permit granting	Jan-2017	Oct-2017
Construction	Jan-2023	Jan-2027

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) do not plan to apply in the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) do not plan to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have no intentions to apply in the future.

COMMENTS

Entity	Category	Comment
Project promoter	General aspects; Costs; General aspects	The project is already energized.; Incurred investment cost till the end of 2024.; The project is already energized.

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Terna - Rete Elettrica Nazionale S.p.A,
Electricite de France (EDF)

PCI or PMI

PCI

PCI/PMI number

1.10

EU TYNDP 2022 project code

TR 299

Project category

Electricity transmission

Priority corridor

NSI West Electricity

Hosting countries

Italy (IT), France (FR)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.terna.it/en/projects/public-engagement/terna-meets-tuscany-sardinia>

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TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in some of the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

The project is not included in the French NDP, but included in the Corsican Energy Plan. Insular systems are not managed by RTE, as EDF is the national grid operator for the French overseas territories with its entity EDF SEI.

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under construction	Rescheduled	Dec-2029
2023	Permitting	Delayed	Dec-2027
2022	Permitting	On time	Dec-2026
2021	Permitting	Delayed	Dec-2026
2020	Permitting	On time	Dec-2024
2019	Permitting	-	Dec-2024

Main reason for rescheduling/delay during the reporting period:

Changes in the estimated investment costs after tendering process

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	1807	22	+10/-10	13.1
2023	1300	-	+10/-10	7.2
2022	900	-	+10/-10	4.6
2021	900	-	+10/-10	7
2020	900	-	+10/-10	7

Reasons for changes in cost data during the reporting period:

The variation is due to the finalization of the procurement phase and the main EPC contracts signature.

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	-	Feb-2012
Permit granting	Feb-2019	Sep-2023
Construction	Dec-2023	Jun-2029

REGULATORY TREATMENT

Exemption ³	Not applicable/available to the project
Cross Border Cost Allocation ⁴	The project promoter(s) submitted an investment request (CBCA).
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

GENERAL DATA

Project promoters

TIWAG-Tiroler Wasserkraft AG

PCI or PMI

PCI

PCI/PMI number

1.11

EU TYNDP 2022 project code

ST 1001

Project category

Electricity storage

Priority corridor

NSI West Electricity

Hosting countries

Austria (AT)

Reference date

28/11/2024

Reporting period

01 February 2023 – 28 November 2024

PCI website

<https://www.tiwag.at/unternehmen/unsere-kraftwerke/ausbauvorhaben/ausbau-kaunertal><https://www.erneuerbareplus.at/kaunertal>

Capacity increase of hydro-pumped electricity storage in Kaunertal, Tyrol (AT)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is not included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

Non-TSO investment, and non-TSO investments are normally not included

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Permitting	Rescheduled	Aug-2035
2023	Permitting	Ahead of schedule	Dec-2032
2022	Permitting	On time	Feb-2034
2021	Permitting	On time	Feb-2034
2020	Permitting	On time	Feb-2034
2019	Permitting	-	Feb-2034

Main reason for rescheduling/delay during the reporting period:

Rescheduled due to permit granting requirements.

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	1555.9	291.1	+6/-1	5.6
2023	966.6	276	+6/-1	10.4
2022	1576.3	671.4	+6/-1	13.8
2021	1541.3	547.6	+6/-1	12.8
2020	1511	597.9	+6/-1	12.89

Reasons for changes in cost data during the reporting period:

Uncertainty regarding extra costs due to safety, environmental or legal requirements imposed during permit granting process of the project.

Sustaining CAPEX is calculated with MEUR 291.05 for 90 years, for 25 years the value is with MEUR 50.5 expected.

OPEX reported with lower values in reference to earlier reports since costs of losses are not included as advised by CBA 4.

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	Jul-2012	Oct-2029
Construction	Apr-2030	Aug-2035

REGULATORY TREATMENT

Exemption ³	Not applicable/available to the project
Cross Border Cost Allocation ⁴	Not applicable/available to the project
Project specific risk-based incentives ⁵	Not applicable/available to the project

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

GENERAL DATA

Project promoters

CDR TREMOR S.L.

PCI or PMI

PCI

PCI/PMI number

1.12

EU TYNDP 2022 project code

ST 1012

Project category

Electricity storage

Priority corridor

NSI West Electricity

Hosting countries

Spain (ES)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://cdnavaleo.eu>

Hydro-pumped electricity storage Navaleo (ES)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is not included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

The project is a storage project, and storage projects are normally not included in the Spanish NDP. However, the NDP may include electrical infrastructures needed to integrate the storage project. The project has a grid connection point (Montearenas 400 kV - Substation) included in the Spanish NDP.

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Permitting	On time	Dec-2026
2023	Permitting	On time	Dec-2026
2022	Permitting	On time	Dec-2026
2021	Permitting	Delayed	Dec-2026
2020	Permitting	On time	Dec-2024
2019	Permitting	-	Dec-2024

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	340	0	+15/-15	4.207
2023	340	-	+15/-15	4.207
2022	340	-	+15/-15	4.207
2021	340	-	+15/-15	4.207
2020	304	-	+/-	4.207

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Dec-2014	Oct-2015
Permit granting	May-2011	Jul-2024
Construction	Jul-2025	Jun-2029

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	-
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Siga Hydro Limited

PCI or PMI

PCI

PCI/PMI number

1.13

EU TYNDP 2022 project code

ST 1025

Project category

Electricity storage

Priority corridor

NSI West Electricity

Hosting countries

Ireland (IE)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://silvermineshydro.ie/about-silvermines/>

Silvermines Hydroelectric Power Station (IE)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2029
2023	Planned but not yet in permitting	On time	Dec-2029
2022	Planned but not yet in permitting	Delayed	Dec-2029
2021	Under consideration	Delayed	Dec-2028
2020	Under consideration	Delayed	Dec-2027

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	617		+/-	14.2
2023	617	-	+/-	14.2
2022	617	-	+/-	14.2
2021	617	-	+/-	14.2
2020	617	-	+/-	14.2

Reasons for changes in cost data during the reporting period:

PCI/PMI MONITORING 2025

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: environmental; STUDY: technical feasibility; Public consultation; Preparation of permitting files, contracts and other documents; Negotiations with landowners and land acquisition; Detailed technical design

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Mar-2023	Dec-2026
Permit granting	Jun-2023	Dec-2025
Construction	Oct-2026	Dec-2029

REGULATORY TREATMENT

Exemption ³	Not applicable/available to the project
Cross Border Cost Allocation ⁴	Not applicable/available to the project
Project specific risk-based incentives ⁵	Not applicable/available to the project

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

GENERAL DATA

Project promoters

Donaukraftwerk Jochenstein AG

PCI or PMI

PCI

PCI/PMI number

1.14

EU TYNDP 2022 project code

ST 1026

Project category

Electricity storage

Priority corridor

NSI West Electricity

Hosting countries

Germany (DE)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.energiespeicher-riedl.de/>

Hydro Pump Storage Riedl (DE)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Permitting	Delayed	Jun-2031
2023	Permitting	Delayed	Mar-2030
2022	Permitting	Delayed	Mar-2029
2021	Permitting	Delayed	Jul-2028
2020	Permitting	Delayed	Jan-2026

Main reason for rescheduling/delay during the reporting period:

Permitting - Delays due to environmental problems (including re-routing and/or siting or re-siting of facility. Additional expertise about immissions and fish protection at the intake structure of the lower reservoir was requested by the permitting authority

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	400	0	+10/-10	2.97
2023	400	0	+10/-10	2.97
2022	386	0	+5/-5	2.97
2021	386	0	+5/-5	2.97
2020	386	-	+5/-5	2.97

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Dec-2016	Feb-2022
Permit granting	Oct-2012	Mar-2025
Construction	Nov-2026	Jun-2031

REGULATORY TREATMENT

Exemption ³	Not applicable/available to the project
Cross Border Cost Allocation ⁴	Not applicable/available to the project
Project specific risk-based incentives ⁵	Not applicable/available to the project

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Corre Energy Storage BV

PCI or PMI

PCI

PCI/PMI number

1.16

EU TYNDP 2022 project code

ST 1044

Project category

Electricity storage

Priority corridor

NSI West Electricity

Hosting countries

Denmark (DK)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://greenhydrogenhub.dk/>

Green Hydrogen Hub CAES

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is not included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

Non-TSO investment, and non-TSO investments are normally not included

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2028
2023	Planned but not yet in permitting	Rescheduled	Dec-2028
2022	Under consideration	On time	Dec-2026
2021	Under consideration	-	Dec-2026

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	343	30	+15/-10	4
2023	343	30	+15/-10	4
2022	336	0	+15/-15	4
2021	336	-	+15/-15	4

Reasons for changes in cost data during the reporting period:

PCI/PMI MONITORING 2025

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Preparation of permitting files, contracts and other documents; Negotiations with landowners and land acquisition; Detailed technical design

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Nov-2022	May-2023
Permit granting	Apr-2023	Dec-2025
Construction	Jan-2026	Dec-2028

REGULATORY TREATMENT

Exemption ³	Not applicable/available to the project
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. However, the project promoter(s) plan to submit a CBCA in the future.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. However, the project promoter(s) plan to apply for specific incentives in the future.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Repsol Generación Eléctrica

PCI or PMI

PCI

PCI/PMI number

1.18

EU TYNDP 2022 project code

ST 1054

Project category

Electricity storage

Priority corridor

NSI West Electricity

Hosting countries

Spain (ES)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.repsol.com/en/about-us/what-we-do/developing-renewable-energies/aquayo-ii/index.cshtml>

Reversible Hydraulic Pumped Energy Storage AGUAYO II (ES)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Permitting	On time	Dec-2030

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	800	2.587	+15/-15	5.283

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	No data	No data
Construction	Jan-2026	Dec-2030

REGULATORY TREATMENT

Exemption ³	Not applicable/available to the project
Cross Border Cost Allocation ⁴	Not applicable/available to the project
Project specific risk-based incentives ⁵	Not applicable/available to the project

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Terna - Rete Elettrica Nazionale S.p.A,
Société Tunisienne de l'Electricité et du
Gaz (STEG)

PCI or PMI

PMI

PCI/PMI number

1.19

EU TYNDP 2022 project code

TR 29

Project category

Electricity transmission

Priority corridor

NSI West Electricity

Hosting countries

Italy (IT), Tunisia (TN)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.terna.it/en/projects/projects-common-interest/italy-tunisia-interconnection> <https://elmedproject.com/it/>

ELMED

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under construction	On time	Jun-2028
2023	Permitting	Rescheduled	Jun-2028
2022	Permitting	On time	Dec-2027
2021	Permitting	On time	Dec-2027
2020	Permitting	On time	Dec-2027
2019	Under consideration	-	Dec-2027

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	850		+/-	2.976
2023	850	-	+/-	2.975
2022	600	-	+/-	1.5
2021	600	-	+/-	3
2020	600	-	+/-	3

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Dec-2016	Feb-2020
Permit granting	Apr-2022	Jul-2024
Construction	Apr-2025	Mar-2028

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	The project promoter(s) submitted an investment request (CBCA).
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

TenneT TSO GmbH (DE), Austrian Power
Grid AG (APG)

PCI or PMI

PCI

PCI/PMI number

2.1.1

EU TYNDP 2022 project code

TR 313

Project category

Electricity transmission

Priority corridor

NSI East Electricity

Hosting countries

Germany (DE), Austria (AT)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.tennet.eu/de/unser-netz/onshore-projekte-deutschland/niederbayern/>; <https://www.apg.at/en/power-grid/grid-expansion/pci-projects/>; <https://www.apg.at/en/projekte/germany-line/#c7498>

Interconnection between Isar/Altheim/ Ottenhofen (DE) - St.Peter (AT)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Permitting	On time	Oct-2027
2023	Permitting	Previous data was erroneous	Oct-2027
2022	Permitting	Delayed	Dec-2030
2021	Permitting	Delayed	Dec-2025
2020	Permitting	Delayed	Dec-2023
2019	Permitting	-	Aug-2022

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	619	0	+20/-10	5
2023	620	0	+20/-10	4.96
2022	523	0	+20/-10	3
2021	523	0	+20/-10	3
2020	375	0	+10/-10	9.28

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	-	Mar-2021
Permit granting	Nov-2013	May-2024
Construction	Nov-2018	Jun-2027

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) have not decided yet on the intentions for the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) have not decided yet on the intentions to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have not decided yet on intentions to apply for specific incentives.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Austrian Power Grid AG (APG)

PCI or PMI

PCI

PCI/PMI number

2.1.2

EU TYNDP 2022 project code

TR 312

Project category

Electricity transmission

Priority corridor

NSI East Electricity

Hosting countries

Austria (AT)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.apg.at/en/power-grid/grid-expansion/pci-projects/> <https://www.apg.at/en/projects/salzburg-line/>

Internal line between St. Peter and Tauern (AT)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under construction	On time	May-2025
2023	Under construction	On time	May-2025
2022	Under construction	On time	May-2025
2021	Under construction	On time	May-2025
2020	Under construction	Rescheduled	May-2025
2019	Permitting	-	Apr-2024

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	1109	-	+10/-10	0.8
2023	899	-	+10/-10	4
2022	899	-	+10/-10	4
2021	899	-	+10/-10	4
2020	890	-	+10/-10	4

Reasons for changes in cost data during the reporting period:

Procurement / construction cost uncertainties.

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Dec-2011	Dec-2011
Permit granting	No data	No data
Construction	Sep-2019	Dec-2026

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) do not plan to apply in the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) do not plan to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have no intentions to apply in the future.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Austrian Power Grid AG (APG)

PCI or PMI

PCI

PCI/PMI number

2.1.3

EU TYNDP 2022 project code

TR 1054

Project category

Electricity transmission

Priority corridor

NSI East Electricity

Hosting countries

Austria (AT)

Reference date

28/11/2024

Reporting period

01 February 2023 – 28 November 2024

PCI website

<https://www.apg.at/en/power-grid/grid-expansion/pci-projects/> ; <https://www.apg.at/stromnetz/netzausbau/netzentwicklungsplan-2023/>

Internal line between Westtirol and Zell-Ziller (AT)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under consideration	Rescheduled	Dec-2030
2023	Under consideration	On time	Dec-2029
2022	Under consideration	Delayed	Dec-2029
2021	Under consideration	Rescheduled	Dec-2027
2020	Under consideration	On time	Dec-2025
2019	Under consideration	-	Dec-2025

Main reason for rescheduling/delay during the reporting period:

Changes due to complementarity with other rescheduled transmission investments – Implementation period determined by planned outage window. A longer outage of the existing overheadline is necessary for the upgrade.

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	74		+10/-10	0.351
2023	54	-	+10/-10	0.16
2022	45	-	+10/-10	1
2021	45	-	+10/-10	1
2020	125	-	+10/-10	1

Reasons for changes in cost data during the reporting period:

Project is in consideration stage and cost estimates are rather uncertain.

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	-	Dec-2014
Permit granting	Jan-2026	Dec-2026
Construction	Jan-2030	Dec-2030

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) have not decided yet on the intentions for the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) have not decided yet on the intentions to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have not decided yet on intentions to apply for specific incentives.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

TenneT TSO GmbH (DE), Austrian Power
Grid AG (APG)

PCI or PMI

PCI

PCI/PMI number

2.1.4

EU TYNDP 2022 project code

TR 187

Project category

Electricity transmission

Priority corridor

NSI East Electricity

Hosting countries

Germany (DE), Austria (AT)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.tennet.eu/de/unser-netz/onshore-projekte-deutschland/niederbayern/>; <https://www.apg.at/en/power-grid/grid-expansion/pci-projects/>; <https://www.apg.at/en/projekte/germany-line/#c7498>

St. Peter (AT) - Pleinting (DE)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Permitting	On time	Dec-2030

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	49.6		+/-	0.072

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	No data	No data
Construction	Nov-2018	Dec-2030

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) have not decided yet on the intentions for the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) have not decided yet on the intentions to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have not decided yet on intentions to apply for specific incentives.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

50Hertz Transmission GmbH, TenneT
TSO GmbH (DE)

PCI or PMI

PCI

PCI/PMI number

2.2

EU TYNDP 2022 project code

TR 130

Project category

Electricity transmission

Priority corridor

NSI East Electricity

Hosting countries

Germany (DE)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<http://www.tennet.eu/de/unser-netz/onshore-projekte-deutschland/suedostlink>
<https://www.50hertz.com/Grid/Griddevelopment/Onshoreprojects/SuedOstLink>

SuedOstLink

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Permitting	On time	Dec-2027
2023	Permitting	On time	Dec-2027
2022	Permitting	Delayed	Dec-2027
2021	Permitting	On time	Dec-2025
2020	Planned but not yet in permitting	On time	Dec-2025
2019	Planned but not yet in permitting	-	Dec-2025

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	5250	-	+20/-20	42
2023	4700	-	+20/-20	37.6
2022	4220	-	+20/-20	33.8
2021	4220	-	+20/-20	33.8
2020	2800	-	+75/-20	22.4

Reasons for changes in cost data during the reporting period:

Changes in the actual / expected prices of raw material and/or equipment used for the investment. Furthermore, there are procurement / construction cost uncertainties and higher uncertainty due to new technology involved.

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	May-2012	Jul-2013
Permit granting	Jan-2020	Mar-2025
Construction	Oct-2023	Dec-2027

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) do not plan to apply in the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) do not plan to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have no intentions to apply in the future.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

ČEPS a.s.

PCI or PMI

PCI

PCI/PMI number

2.3.1

EU TYNDP 2022 project code

TR 200

Project category

Electricity transmission

Priority corridor

NSI East Electricity

Hosting countries

Czech Republic (CZ)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.ceps.cz/en/pci-projects-of-common-interest>

Internal line between Vernerov and Vitkov (CZ)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Commissioned	On time	Jun-2024
2023	Under construction	On time	Jun-2024
2022	Permitting	On time	Jun-2024
2021	Permitting	Delayed	Jun-2024
2020	Permitting	Ahead of schedule	Aug-2023
2019	Permitting	-	Jul-2025

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	207.332	0	+15/-10	0.13
2023	214.99	-	+15/-10	0.13
2022	167.38	0	+15/-10	0.13
2021	121.527	0	+15/-10	0.13
2020	120.38	-	+15/-10	0.13

Reasons for changes in cost data during the reporting period:

PCI/PMI MONITORING 2025

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Construction; Commissioning

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	May-2012	Dec-2012
Permit granting	Feb-2016	Nov-2021
Construction	Feb-2023	Jun-2024

REGULATORY TREATMENT

Exemption ³	Not applicable/available to the project
Cross Border Cost Allocation ⁴	Not applicable/available to the project
Project specific risk-based incentives ⁵	Not applicable/available to the project

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

ČEPS a.s.

PCI or PMI

PCI

PCI/PMI number

2.3.2

EU TYNDP 2022 project code

TR 35

Project category

Electricity transmission

Priority corridor

NSI East Electricity

Hosting countries

Czech Republic (CZ)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<http://www.ceps.cz/cs/projekty-spolecneho-zajmu>

Internal line between Prestice and Kocin (CZ)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Permitting	On time	Dec-2028
2023	Permitting	Ahead of schedule	Dec-2028
2022	Permitting	On time	Dec-2028
2021	Permitting	On time	Dec-2028
2020	Permitting	On time	Dec-2028
2019	Permitting	-	Nov-2028

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	462.404	-	+15/-10	0.07
2023	482.36	-	+15/-10	0.07
2022	347.62	0	+15/-10	0.07
2021	327.693	0	+15/-10	0.07
2020	315.68	-	+15/-10	0.07

Reasons for changes in cost data during the reporting period:

PCI/PMI MONITORING 2025

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Negotiations with landowners and land acquisition; Detailed technical design; Tendering

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	May-2012	Dec-2012
Permit granting	Jul-2016	May-2023
Construction	Feb-2022	Nov-2028

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) do not plan to apply in the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) do not plan to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have no intentions to apply in the future.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

ČEPS a.s.

PCI or PMI

PCI

PCI/PMI number

2.3.3

EU TYNDP 2022 project code

TR 35

Project category

Electricity transmission

Priority corridor

NSI East Electricity

Hosting countries

Czech Republic (CZ)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<http://www.ceps.cz/cs/projekty-spolecneho-zajmu>

Internal line between Kocin and Mirovka (CZ)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Permitting	On time	Oct-2029
2023	Permitting	Delayed	Oct-2029
2022	Permitting	Delayed	Oct-2028
2021	Permitting	On time	Oct-2027
2020	Permitting	Delayed	Oct-2027
2019	Permitting	-	Oct-2026

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	259.224	-	+15/-10	0.01
2023	270.03	-	+15/-10	0.01
2022	149.77	-	+15/-10	0.01
2021	143.162	-	+15/-10	0.01
2020	145.03	-	+15/-10	0.01

Reasons for changes in cost data during the reporting period:

PCI/PMI MONITORING 2025

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Preparation of permitting files, contracts and other documents; Negotiations with landowners and land acquisition; Detailed technical design

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Dec-2012	Dec-2012
Permit granting	Jan-2016	Sep-2024
Construction	Feb-2027	Oct-2029

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) do not plan to apply in the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) do not plan to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have not decided yet on intentions to apply for specific incentives.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

GENERAL DATA

Project promoters

Alpe Adria Energia Srl

PCI or PMI

PCI

PCI/PMI number

2.4

EU TYNDP 2022 project code

TR 210

Project category

Electricity transmission

Priority corridor

NSI East Electricity

Hosting countries

Italy (IT), Austria (AT)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://corporate.enel.it/en/stories/a/2017/01/alpe-adria-energia>

Interconnection between Wurlach (AT) and Somplago (IT)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is partially included in some of the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

Italy: Non-TSO investment, and non-TSO investments are normally not included

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Permitting	On time	Sep-2029
2021	Permitting	Delayed	Dec-2025
2020	Permitting	-	Aug-2023
2019	Permitting	-	Oct-2022

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	125.24	-	+7/-7	0.9
2021	92.9	-	+7/-7	0.8
2020	92.4	-	+7/-7	0.8

Reasons for changes in cost data during the reporting period:

Procurement / construction cost uncertainties.

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	No data	No data
Construction	Oct-2025	May-2029

REGULATORY TREATMENT

Exemption ³	The project promoters applied for an exemption during the reporting period
Cross Border Cost Allocation ⁴	Not applicable/available to the project
Project specific risk-based incentives ⁵	Not applicable/available to the project

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Magyar Villamosenergia-ipari Átviteli
Rendszerirányító Zrt. (MAVIR), C.N.T.E.E.
Transelectrica S.A.

PCI or PMI

PCI

PCI/PMI number

2.5.1

EU TYNDP 2022 project code

TR 259

Project category

Electricity transmission

Priority corridor

NSI East Electricity

Hosting countries

Hungary (HU), Romania (RO)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

[https://www.transelectrica.ro/
documents/10179/25146/PCI+2.5_
Proiectul+Ungaria-Romania/763c3a6d-
9b77-4488-a124-f9dc94185a0b](https://www.transelectrica.ro/documents/10179/25146/PCI+2.5_Proiectul+Ungaria-Romania/763c3a6d-9b77-4488-a124-f9dc94185a0b)

Interconnector between Józsa (HU) and Oradea (RO)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under consideration	On time	Dec-2030

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/ downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	50.241	0.237	+/-	0.25

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	No data	No data
Construction	Jan-2028	Dec-2030

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	-
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

C.N.T.E.E. Transelectrica S.A.

PCI or PMI

PCI

PCI/PMI number

2.5.2

EU TYNDP 2022 project code

TR 259

Project category

Electricity transmission

Priority corridor

NSI East Electricity

Hosting countries

Romania (RO)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

https://www.transelectrica.ro/documents/10179/25146/PCI+2.5_Proiectul+Ungaria-Romania/763c3a6d-9b77-4488-a124-f9dc94185a0b

Internal line between Urechesti (RO) and Targu Jiu (RO)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2028

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	2.205	0.13	+/-	0.011

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	No data	No data
Construction	Apr-2027	Dec-2028

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	-
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

C.N.T.E.E. Transelectrica S.A.

PCI or PMI

PCI

PCI/PMI number

2.5.3

EU TYNDP 2022 project code

TR 259

Project category

Electricity transmission

Priority corridor

NSI East Electricity

Hosting countries

Romania (RO)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

https://www.transelectrica.ro/documents/10179/25146/PCI+2.5_Proiectul+Ungaria-Romania/763c3a6d-9b77-4488-a124-f9dc94185a0b

Internal line between Targu Jiu (RO) and Paroseni (RO)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2028

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	3.81	0.23	+/-	0.019

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	No data	No data
Construction	Apr-2027	Dec-2028

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	-
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

C.N.T.E.E. Transelectrica S.A.

PCI or PMI

PCI

PCI/PMI number

2.5.4

EU TYNDP 2022 project code

TR 259

Project category

Electricity transmission

Priority corridor

NSI East Electricity

Hosting countries

Romania (RO)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

https://www.transelectrica.ro/documents/10179/25146/PCI+2.5_Proiectul+Ungaria-Romania/763c3a6d-9b77-4488-a124-f9dc94185a0b

Internal line between Paroseni (RO) and Baru Mare (RO)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2028

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	2.02	0.12	+/-	0.01

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	No data	No data
Construction	Apr-2027	Dec-2028

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	-
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

C.N.T.E.E. Transelectrica S.A.

PCI or PMI

PCI

PCI/PMI number

2.5.5

EU TYNDP 2022 project code

TR 259

Project category

Electricity transmission

Priority corridor

NSI East Electricity

Hosting countries

Romania (RO)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

https://www.transelectrica.ro/documents/10179/25146/PCI+2.5_Proiectul+Ungaria-Romania/763c3a6d-9b77-4488-a124-f9dc94185a0b

Internal line between Baru Mare (RO) and Hasdat (RO)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2028

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	4.4	0.262	+/-	0.022

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	No data	No data
Construction	Apr-2027	Dec-2028

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	-
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Independent Power Transmission
Operator (ADMIE) S.A.

PCI or PMI

PCI

PCI/PMI number

2.6.1

EU TYNDP 2022 project code

TR 219

Project category

Electricity transmission

Priority corridor

NSI East Electricity

Hosting countries

Israel (IL), Cyprus (CY)

Reference date

28/11/2024

Reporting period

01 February 2023 – 28 November 2024

PCI website

<https://www.great-sea-interconnector.com/>

Interconnection between Hadera (IL) and Kofinou (CY)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

Previous data was erroneous

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Permitting	Delayed	Dec-2032
2023	Permitting	Delayed	Jun-2027
2022	Permitting	Delayed	Dec-2026
2021	Permitting	Delayed	Jun-2025
2020	Permitting	On time	Dec-2023
2019	Permitting	-	Dec-2023

Main reason for rescheduling/delay during the reporting period:

On 5/10/2023 EuroAsia Interconnector and IPTO came into agreement to assign IPTO as the new Project Promoter. Alignment of the Israeli regulatory framework with the European regulations and guidelines.

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	1100	-	+9/-0	11
2023	790	-	+10/-10	7.9
2022	790	-	+10/-10	7.9
2021	790	-	+10/-10	7.9
2020	-	-	+/-	-

Reasons for changes in cost data during the reporting period:

PCI/PMI MONITORING 2025

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: technical feasibility; STUDY: socio-economic feasibility

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Dec-2013	Dec-2013
Permit granting	Jul-2017	Dec-2025
Construction	Jan-2028	Dec-2032

REGULATORY TREATMENT

Exemption ³	Not applicable/available to the project
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. However, the project promoter(s) plan to submit a CBCA in the future.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. However, the project promoter(s) plan to apply for specific incentives in the future.

COMMENTS

Entity	Category	Comment
NRA	IIT Implementation; Costs; Technical characteristics; Stakeholders; General aspects; Costs; Stakeholders	CERA is not able to assess the progress since there is no formal information from the PP with regards to the implementation of the project, however the commissioning date is rather questionable. ; CERA is not able to assess the costs since no formal information have been submitted to NRAs.; -; -; -; Project Investment and Operating costs cover both countries.; IPTO was assigned as a new project promoter in October 2023.

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

GENERAL DATA

Project promoters

Independent Power Transmission
Operator (ADMIE) S.A.

PCI or PMI

PCI

PCI/PMI number

2.6.2

EU TYNDP 2022 project code

TR 219

Project category

Electricity transmission

Priority corridor

NSI East Electricity

Hosting countries

Cyprus (CY), Greece (GR)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.great-sea-interconnector.com/>

Interconnection between Kofinou (CY) and Korakia, Crete (EL)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under consideration	Delayed	Dec-2029
2023	Permitting	Delayed	Jun-2027
2022	Permitting	Delayed	Dec-2026
2021	Permitting	Delayed	Jun-2025
2020	Permitting	On time	Dec-2023
2019	Permitting	-	Dec-2023

Main reason for rescheduling/delay during the reporting period:

Delay in tendering process - The current situation, with high global demand in the HVDC submarine high voltage cable system industry due to the intensification of the implementation of the Green Deal and the huge growth in offshore wind farms and electricity interconnectors, combined with the limited market supply, caused delays in the negotiations. In addition to the above, on 5/10/2023 EuroAsia Interconnector and IPTO came into agreement to assign IPTO as the new Project Promoter. On 20 December 2023 an amendment of the Grant Agreement was signed, assigning IPTO as the sole Beneficiary.

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	1939.2	0	+5/-	4.6
2023	1575	-	+5/-5	15.6
2022	1575	-	+5/-5	15.6
2021	1575	-	+10/-10*	15.6
2020	-	-	+/-/-	-

Reasons for changes in cost data during the reporting period:

PCI/PMI MONITORING 2025

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Dec-2013	Dec-2017
Permit granting	Jul-2017	Jun-2026
Construction	Sep-2023	Dec-2029

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	The project promoter(s) submitted an investment request (CBCA).
Project specific risk-based incentives ⁵	The project promoter(s) requested a project-specific risk-based incentive.

COMMENTS

Entity	Category	Comment
Project promoter	Costs; Stakeholders	Project Investment and Operating costs cover both countries; IPTO was assigned as a new Project Promoter in October 2023

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

ČEPS a.s., Slovenská elektrizačná
prenosová sústava a.s. (SEPS)

PCI or PMI

PCI

PCI/PMI number

2.7

EU TYNDP 2022 project code

TR 330

Project category

Electricity transmission

Priority corridor

NSI East Electricity

Hosting countries

Czech Republic (CZ), Slovakia (SK)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.mhsr.sk/energetika/medzinarodna-spolupraca/projekty-spolocneho-zaujmu-pci/elektroenergetika/27-projekt-vedenie-ladce-otrokovice?csrt=814937984934381429>

4th 400kV CZ-SK interconnector

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in some of the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

Czech Republic: The commissioning date of this investment is beyond the time span of the NDP

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under consideration	On time	Dec-2035

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	120.008		+/-	0.677

Reasons for changes in cost data during the reporting period:

PCI/PMI MONITORING 2025

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: environmental; STUDY: spatial planning; Identification of alternative solutions / site identification

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Apr-2024	Dec-2026
Permit granting	Apr-2029	Jul-2032
Construction	Sep-2033	Oct-2035

REGULATORY TREATMENT

Exemption ³	No, and the project promoter(s) do not plan to apply
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) do not plan to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have not decided yet on intentions to apply for specific incentives.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Austrian Power Grid AG (APG), Terna -
Rete Elettrica Nazionale S.p.A

PCI or PMI

PCI

PCI/PMI number

2.8

EU TYNDP 2022 project code

TR 375

Project category

Electricity transmission

Priority corridor

NSI East Electricity

Hosting countries

Austria (AT), Italy (IT)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

=

Lienz (AT) - Veneto region (IT) 220 kV

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2035

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	300.4	0	+0/-0	0.48

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jan-2001	Apr-2001
Permit granting	No data	No data
Construction	Jun-2025	Dec-2035

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) have not decided yet on the intentions for the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) have not decided yet on the intentions to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have not decided yet on intentions to apply for specific incentives.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

GENERAL DATA

Project promoters

Terna Energy S.A.

PCI or PMI

PCI

PCI/PMI number

2.9

EU TYNDP 2022 project code

ST 1006

Project category

Electricity storage

Priority corridor

NSI East Electricity

Hosting countries

Greece (GR)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.terna-energy.com/acivities/pumped-storage-projects/amfilochia-pumped-storage/?country=>

Hydro-pumped electricity storage in Amfilochia (EL)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under construction	Delayed	May-2029
2023	Under construction	On time	Dec-2025
2022	Permitting	Delayed	Dec-2025
2021	Permitting	On time	Dec-2024
2020	Permitting	Delayed	Dec-2024
2019	Permitting	-	Jun-2024

Main reason for rescheduling/delay during the reporting period:

Delays in construction works - Unforeseen geological conditions have impacted the project timeline, as geological investigations could not be conducted on forestry land before the installation permit was granted on 24/10/2022, due to restrictions in Greek legislation. Additionally, detailed bidding procedures, imposed by the European Decision of State Aid for the Project and especially the bidding process for the supply of the Main EM equipment, major part of the total investment cost, have shown that the construction schedule of the Project must be extended.

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	646.304	10	+0/-0	18.15
2023	646.3	10	+5/-0	16.5
2022	550	10	+10/-0	16.5
2021	550	10	+10/-0	16.5
2020	502	20	+5/-0	10.45

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Dec-2009	Aug-2012
Permit granting	May-2015	Jun-2022
Construction	Nov-2022	Dec-2028

REGULATORY TREATMENT

Exemption ³	Not applicable/available to the project
Cross Border Cost Allocation ⁴	Not applicable/available to the project
Project specific risk-based incentives ⁵	Not applicable/available to the project

COMMENTS

Entity	Category	Comment
Project promoter	Stakeholders	A special purpose vehicle for the construction and operation of the HPS Amfilochia, was founded in July 2022, 100% subsidiary of TERNAL ENERGY S.A, named "TERNAL ENERGY-PUMPED STORAGE I SINGLE MEMBER SOCIETATE ANONIMĂ", to which the rights and obligations concerning the HPS Amfilochia were fully transferred.

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Ptolemaida Storage SMSA

PCI or PMI

PCI

PCI/PMI number

2.10

EU TYNDP 2022 project code

ST 1035

Project category

Electricity storage

Priority corridor

NSI East Electricity

Hosting countries

Greece (GR)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://bess-ptolemaida.eu/en>

Ptolemaida Battery Energy Storage System

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Permitting	On time	Dec-2027

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	228	95	+5/-5	1.6

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jan-2021	Mar-2024
Permit granting	May-2024	-
Construction	Dec-2025	Sep-2027

REGULATORY TREATMENT

Exemption ³	Not applicable/available to the project
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. However, the project promoter(s) plan to submit a CBCA in the future.
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

GENERAL DATA

Project promoters

Slovenské Elektrárne a.s

PCI or PMI

PCI

PCI/PMI number

2.11

EU TYNDP 2022 project code

ST 1050

Project category

Electricity storage

Priority corridor

NSI East Electricity

Hosting countries

Slovakia (SK)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.integrator-se.sk/>

Modernisation of Pumped Hydroelectric Energy Storage in Čierny Váh (SK) [known as "SE Integrator"]

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	Rescheduled	Jun-2030

Main reason for rescheduling/delay during the reporting period:

The investment was still at an initial stage (under studies) and therefore the previous implementation plan was preliminary

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	206	30	+30/-30	2.8

Reasons for changes in cost data during the reporting period:

PCI/PMI MONITORING 2025

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: socio-economic feasibility; Identification of alternative solutions / site identification; Preparation of permitting files, contracts and other documents; Negotiations with landowners and land acquisition

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	-	May-2024
Permit granting	Oct-2024	Mar-2028
Construction	Jan-2027	Jun-2030

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) do not plan to apply in the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) do not plan to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have no intentions to apply in the future.

COMMENTS

Entity	Category	Comment
Project Promoter	Regulatory Treatment; Benefits; Intergov. Agreements	Regarding the exemption or CBCA or project-specific risk-based incentive project promoter does not plan to request. At the time of filling this questionnaire project promoter does not have knowledge about other incentives.; All project benefits have already been reported in the TYNDP2024 process and in 7th PCI process.; No intergovernmental agreements have been concluded and currently project promoter does not foresee conclusion of any intergovernmental agreement.

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Elektromreža Srbije AD (EMS),
Magyar Villamosenergia-ipari Átviteli
Rendszerirányító Zrt. (MAVIR)

PCI or PMI

PMI

PCI/PMI number

2.12

EU TYNDP 2022 project code

TR 1074

Project category

Electricity transmission

Priority corridor

NSI East Electricity

Hosting countries

Serbia (RS), Hungary (HU)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

[https://www.mavir.hu/web/mavir-en/
eu-projects-of-common-interest-to-be-
implemented-by-mavir](https://www.mavir.hu/web/mavir-en/eu-projects-of-common-interest-to-be-implemented-by-mavir)

Interconnector between Subotica (RS) and Sándorfalva (HU)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2030

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	49.25	0	+10/-5	1

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Mar-2026	-
Permit granting	Jul-2026	-
Construction	Jan-2027	Nov-2028

REGULATORY TREATMENT

Exemption ³	Not applicable/available to the project
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) have not decided yet on the intentions to submit a CBCA.
Project specific risk-based incentives ⁵	Not applicable/available to the project

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

ELICA MEDITERRANEAN ELECTRICAL
INTERCONNECTION SINGLE - MEMBER
S.A

PCI or PMI

PMI

PCI/PMI number

2.13

EU TYNDP 2022 project code

TR 1041

Project category

Electricity transmission

Priority corridor

NSI East Electricity

Hosting countries

Egypt (EG), Greece (GR)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.gregy-interconnector.gr/>

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Jan-2030

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	3569	0	+10/-0	42.828

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	No data	No data
Construction	Jan-2027	Jan-2030

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) have not decided yet on the intentions for the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) have not decided yet on the intentions to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have not decided yet on intentions to apply for specific incentives.

COMMENTS

Entity	Category	Comment
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¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Polskie Sieci Elektroenergetyczne S.A.
(PSE)

PCI or PMI

PCI

PCI/PMI number

3.1

EU TYNDP 2022 project code

TR 123

Project category

Electricity transmission

Priority corridor

BEMIP Electricity

Hosting countries

Poland (PL)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.pse.pl/inwestycje/interaktywna-mapa-inwestycji>

Internal line between Stanisławów and Ostrołęka (PL)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Commissioned	On time	Dec-2023
2023	Under construction	On time	Dec-2023
2022	Under construction	On time	Dec-2023
2021	Under construction	On time	Dec-2023
2020	Under construction	On time	Dec-2023
2019	Under construction	-	Dec-2023

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	55.884	0	+0/-0	0.25
2023	55.88	0	+0/-0	0.25
2022	52.92	0	+0/-0	0.25
2021	53.426	0	+0/-0	0.25
2020	52.186	-	+/-	0.25

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jun-2011	Jun-2011
Permit granting	Oct-2019	Sep-2021
Construction	Sep-2018	Apr-2023

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	-
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

GENERAL DATA

Project promoters

Energiasalv Pakri OÜ

PCI or PMI

PCI

PCI/PMI number

3.2

EU TYNDP 2022 project code

ST 1004

Project category

Electricity storage

Priority corridor

BEMIP Electricity

Hosting countries

Estonia (EE)

Reference date

28/11/2024

Reporting period

01 February 2023 – 28 November 2024

PCI website

<https://energiasalv.ee>

Hydro-pumped electricity storage in Estonia

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is not included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

Non-TSO investment, and non-TSO investments are normally not included

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Permitting	Delayed	Sep-2033
2023	Permitting	Delayed	Aug-2031
2022	Permitting	Delayed	Nov-2029
2021	Permitting	On time	May-2028
2020	Permitting	On time	May-2028
2019	Permitting	-	May-2028

Main reason for rescheduling/delay during the reporting period:

Delays due to financing reasons. The initial timeline has been affected by optimising the design (including permitting) to reduce investment costs and granting revenue certainty. Regulatory risks have delayed the revenue certainty; high interest rates and inflation put pressure on investment levels that has led to further design optimisations.

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	730	168	+15/-15	3.9
2023	655	93	+20/-15	3.9
2022	496	-	+15/-15	6.5
2021	496	-	+15/-15	6.5
2020	496	-	+15/-15	6.5

Reasons for changes in cost data during the reporting period:

PCI/PMI MONITORING 2025

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: environmental; STUDY: technical feasibility; STUDY: socio-economic feasibility; Identification of alternative solutions / site identification; Preparation of permitting files, contracts and other documents; Negotiations with landowners and land acquisition

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Oct-2016	Mar-2018
Permit granting	Oct-2016	Aug-2024
Construction	Jan-2027	Sep-2033

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) have not decided yet on the intentions for the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) have not decided yet on the intentions to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have not decided yet on intentions to apply for specific incentives.

COMMENTS

Entity	Category	Comment
Project Promoter	Benefits; Implementation; Implementation	In addition to benefits from energy sector, the project generates 15 million tons of aggregates that can be used for road construction- that will reduce the footprint of Estonian road construction and the need for quarries.; Optimised design initiated new EIA.; In August 2024 new building permit for optimised design of surface infrastructure was approved.

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Augstsprieguma tīkls AS (AST)

PCI or PMI

PCI

PCI/PMI number

3.3.1

EU TYNDP 2022 project code

TR 170

Project category

Electricity transmission

Priority corridor

BEMIP Electricity

Hosting countries

Estonia (EE), Latvia (LV)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.ast.lv/en/transmission-network-projects/reconstruction-existing-latvija-estonia-330kv-interconnectionshttps://elering.ee/en/synchronization-continental-europehttps://tyndp.entsoe.eu/tyndp2018/projects/projects/170>

Interconnection between Tsirguliina (EE) and Valmiera (LV)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under construction	On time	Dec-2024
2023	Permitting	On time	Dec-2024
2022	Planned but not yet in permitting	Rescheduled	Dec-2024
2021	Planned but not yet in permitting	On time	May-2024
2020	Planned but not yet in permitting	Ahead of schedule	May-2024
2019	Planned but not yet in permitting	-	Dec-2024

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	22	-	+/-37	0.05
2023	22	-	+/-	0.05
2022	22	-	+/-	0.05
2021	22	-	+/-	0.05
2020	22	-	+/-	0.05

Reasons for changes in cost data during the reporting period:

PCI/PMI MONITORING 2025

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Construction; Commissioning

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jan-2015	Aug-2015
Permit granting	Jan-2019	Dec-2021
Construction	Jun-2023	May-2024

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	The project promoter(s) submitted an investment request (CBCA).
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Elering AS

PCI or PMI

PCI

PCI/PMI number

3.3.2

EU TYNDP 2022 project code

TR 170

Project category

Electricity transmission

Priority corridor

BEMIP Electricity

Hosting countries

Estonia (EE)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://elering.ee/en/synchronization-continental-europe#tab1>; http://www.litgrid.eu/index.php/grid-development-/strategic-projects-/synchronous-operation-/137#synchronization_visual

Internal line between Viru and Tsirguliina (EE)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under construction	Ahead of schedule	Feb-2025
2023	Permitting	On time	Dec-2025
2022	Permitting	On time	Dec-2025
2021	Permitting	On time	Dec-2025
2020	Planned but not yet in permitting	Rescheduled	Dec-2025
2019	Planned but not yet in permitting	-	Jan-2025

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	68.237	-	+36/-	0.11
2023	68.33	-	+13/-	0.11
2022	68.33	-	+/-	0.11
2021	68.327	-	+/-	0.11
2020	68.327	-	+/-	0.11

Reasons for changes in cost data during the reporting period:

PCI/PMI MONITORING 2025

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Construction; Commissioning

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jan-2015	Aug-2015
Permit granting	May-2021	May-2023
Construction	Sep-2021	Feb-2025

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	The project promoter(s) submitted an investment request (CBCA).
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Litgrid AB

PCI or PMI

PCI

PCI/PMI number

3.3.4

EU TYNDP 2022 project code

TR 170

Project category

Electricity transmission

Priority corridor

BEMIP Electricity

Hosting countries

Lithuania (LT)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.litgrid.eu/index.php/synchronisation/synchronisation-projects/construction-of-vilnius-neris-330-kv-overhead-line/31603>

Internal line between Vilnius and Neris (LT)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under construction	Ahead of schedule	Nov-2025
2023	Permitting	On time	Dec-2025
2022	Permitting	On time	Dec-2025
2021	Permitting	On time	Dec-2025
2020	Permitting	On time	Dec-2025
2019	Permitting	-	Dec-2025

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	55.162	-	+0/-	0.024
2023	55.08	-	+100/-	0.024
2022	23.81	-	+0/--	0.024
2021	23.813	-	+/-	0.024
2020	23.813	-	+/-	0

Reasons for changes in cost data during the reporting period:

PCI/PMI MONITORING 2025

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Construction

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	May-2019	May-2021
Permit granting	No data	No data
Construction	Jul-2023	Oct-2025

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	The project promoter(s) submitted an investment request (CBCA).
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment
Project promoter	Costs	Initial investment costs represent total amount of initially planned and additionally contracted investment costs (overall project costs).

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Litgrid AB, Augstsprieguma tīkls AS
(AST), Elering AS

PCI or PMI

PCI

PCI/PMI number

3.3.5

EU TYNDP 2022 project code

TR 170

Project category

Electricity transmission

Priority corridor

BEMIP Electricity

Hosting countries

Lithuania (LT), Estonia (EE), Latvia (LV)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://tyndp.entsoe.eu/tyndp2018/projects/projects/170><https://elering.ee/en/synchronization-continental-europe><http://www.ast.lv/en/projects/synchronisation-europe> <https://www.litgrid.eu/index.php/synchronisation/synchronisation/31363>

Further infrastructure aspects of the synchronisation of the Baltic States' electricity system with the European networks

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under construction	Delayed	Nov-2027
2023	Under construction	On time	Dec-2025
2022	Under construction	On time	Dec-2025
2021	Planned but not yet in permitting	On time	Dec-2025
2020	Planned but not yet in permitting	On time	Dec-2025
2019	Planned but not yet in permitting	-	Dec-2025

Main reason for rescheduling/delay during the reporting period:

Due to high market demand (started in around 2022) for HVDC projects, EstLink 1 control and protection upgrades are delayed. This correlates to the overall market situation for HVDC assets where the few suppliers and contractors are unable to meet the previously planned deadlines for these types of projects. Projected commissioning deadline was 12/2025 but due to high demand the contractor can finish the updates by 11/2027, and in the Final NordBalt tender the duration of performance of the services offered by the supplier is 21 months, i.e. 6 months longer than established in the technical specification and the project's schedule.

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	204.205	-	+3/-2	1.945
2023	193.1	-	+33/-	1.51
2022	193.1	-	+/-	1.51
2021	186.9	-	+/-	0.01
2020	98.16	-	+/-	0.01

Reasons for changes in cost data during the reporting period:

Changes in the actual prices of works, raw material and/or equipment used for the investment.

PCI/PMI MONITORING 2025

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Tendering; Preparatory works for construction (e.g. land preparation);
Construction; Commissioning

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jan-2015	Aug-2015
Permit granting	No data	No data
Construction	Apr-2021	Jul-2025

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	The project promoter(s) submitted an investment request (CBCA).
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment
Project promoter	Costs	Initial investment costs represent total amount of initially planned and additionally contracted investment costs (overall project costs).

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Polskie Sieci Elektroenergetyczne S.A.
(PSE), Litgrid AB

PCI or PMI

PCI

PCI/PMI number

3.3.6

EU TYNDP 2022 project code

TR 170

Project category

Electricity transmission

Priority corridor

BEMIP Electricity

Hosting countries

Lithuania (LT), Poland (PL)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.litgrid.eu/index.php/tinklo-pletra/strateginiai-projektai/harmony-link/20075>

Harmony Link

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	Rescheduled	Dec-2030
2023	Permitting	Delayed	Apr-2028
2022	Permitting	On time	Mar-2026
2021	Permitting	-	Mar-2026
2020	Planned but not yet in permitting	On time	Dec-2025

Main reason for rescheduling/delay during the reporting period:

Changes in the estimated investment costs - The Lithuanian and Polish electricity systems were previously planned to be interconnected via a marine cable link, but significant cost increases and orders for marine cables and converter stations exceeding production capacity led to the cancellation of the procurement in April 2023. The conception of alternative technical solution - overland interconnector Harmony Link instead of HVDC subsea cable was prepared in the end of 2023. Technical feasibility (system stability) study was started in January 2024 and completed in November 2024 concluding that new 220kV AC connection is a viable alternative to HVDC Harmony Link.

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	1419.194	0	+/-0	3.394
2023	1419.19	0	+/-0	3.394
2022	682.6	0	+0/-0	3.394
2021	682.6	0	+0/-0	3.394
2020	280.488	-	+10/-10	-

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Dec-2019	Sep-2022
Permit granting	No data	No data
Construction	May-2024	Oct-2027

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	The project promoter(s) submitted an investment request (CBCA).
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Litgrid AB

PCI or PMI

PCI

PCI/PMI number

3.3.7

EU TYNDP 2022 project code

TR 170

Project category

Electricity transmission

Priority corridor

BEMIP Electricity

Hosting countries

Lithuania (LT)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.litgrid.eu/index.php/synchronisation/synchronisation/31363>

New 330kV Mūša substation (LT)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under construction	On time	Dec-2025
2023	Permitting	On time	Dec-2025
2022	Permitting	On time	Dec-2025
2021	Permitting	On time	Dec-2025
2020	Permitting	On time	Dec-2025

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	15.698	-	+1/-	0.006
2023	15.6	-	+100/-	0.006
2022	6.14	-	+/-	0.006
2021	6.139	-	+/-	0.006
2020	6.139	-	+/-	0

Reasons for changes in cost data during the reporting period:

PCI/PMI MONITORING 2025

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Preparatory works for construction (e.g. land preparation); Construction

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Dec-2019	Jul-2022
Permit granting	No data	Aug-2023
Construction	Aug-2023	Nov-2025

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	The project promoter(s) submitted an investment request (CBCA).
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment
Project promoter	Costs	Initial investment costs represent total amount of initially planned and additionally contracted investment costs (overall project costs).

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Litgrid AB

PCI or PMI

PCI

PCI/PMI number

3.3.8

EU TYNDP 2022 project code

TR 170

Project category

Electricity transmission

Priority corridor

BEMIP Offshore

Hosting countries

Lithuania (LT)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.litgrid.eu/index.php/synchronisation/synchronisation-projects/construction-of-kruonio-hae-bitenai-330-kv-overhead-line/31606>

Internal line between Bitenai and KHAĖ (LT)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under construction	Ahead of schedule	Sep-2025
2023	Under construction	On time	Oct-2025
2022	Under construction	On time	Oct-2025
2021	Permitting	Rescheduled	Oct-2025
2020	Permitting	On time	Jan-2025

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	46.715	-	+7/-	0.045
2023	43.36	-	+3/-	0.042
2022	42.07	-	+/-	0.042
2021	42.074	-	+/-	0.042
2020	42.074	-	+/-	0

Reasons for changes in cost data during the reporting period:

PCI/PMI MONITORING 2025

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Preparatory works for construction (e.g. land preparation); Construction

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Nov-2019	May-2021
Permit granting	No data	Feb-2023
Construction	Jan-2022	Sep-2025

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	The project promoter(s) submitted an investment request (CBCA).
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Litgrid AB

PCI or PMI

PCI

PCI/PMI number

3.3.9

EU TYNDP 2022 project code

TR 170

Project category

Electricity transmission

Priority corridor

BEMIP Electricity

Hosting countries

Lithuania (LT)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.litgrid.eu/index.php/synchronisation/synchronisation-projects/construction-of-darbenai-substation/31598>

New 330kV Darbėnai substation (LT)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under construction	Delayed	Jun-2025
2023	Permitting	Delayed	Mar-2025
2022	Permitting	Ahead of schedule	Sep-2024
2021	Permitting	On time	Dec-2025
2020	Permitting	On time	Dec-2025

Main reason for rescheduling/delay during the reporting period:

Delays in construction works. Insignificant delay due to project rescheduling.

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	16.651	-	+5/-2	0.013
2023	15.9	-	+/-2	0.012
2022	15.9	-	+/-	0.012
2021	11.987	-	+/-	0.012
2020	11.987	-	+/-	0

Reasons for changes in cost data during the reporting period:

Changes in the actual prices of works, raw material and/or equipment used for the investment.

PCI/PMI MONITORING 2025

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Preparatory works for construction (e.g. land preparation); Construction;
Commissioning

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Dec-2019	Sep-2022
Permit granting	No data	Jun-2023
Construction	Dec-2022	Jun-2025

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	The project promoter(s) submitted an investment request (CBCA).
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment
Project promoter	Costs	Initial investment costs represent total amount of initially planned and additionally contracted investment costs (overall project costs).

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Litgrid AB

PCI or PMI

PCI

PCI/PMI number

3.3.10

EU TYNDP 2022 project code

TR 170

Project category

Electricity transmission

Priority corridor

BEMIP Electricity

Hosting countries

Lithuania (LT)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.litgrid.eu/index.php/synchronisation/synchronisation-projects/construction-of-darbenai-bitenai-330-kv-overhead-line/31605>

Internal line between Darbenai and Bitenai (LT)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under construction	Ahead of schedule	May-2025
2023	Under construction	On time	Jul-2025
2022	Under construction	On time	Jul-2025
2021	Permitting	On time	Jul-2025
2020	Permitting	On time	Jul-2025

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	71.271	-	+3/-	0.065
2023	68.89	-	+10/-	0.063
2022	62.76	-	+/-	0.063
2021	62.762	-	+/-	0.063
2020	62.762	-	+/-	0

Reasons for changes in cost data during the reporting period:

Changes in the actual prices of works, raw material and/or equipment used for the investment.

PCI/PMI MONITORING 2025

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Preparatory works for construction (e.g. land preparation); Construction

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Nov-2019	May-2021
Permit granting	No data	Nov-2022
Construction	Jan-2022	Mar-2025

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	The project promoter(s) submitted an investment request (CBCA).
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment
	Costs	Initial investment costs represent total amount of initially planned and additionally contracted investment costs (overall project costs).

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Polskie Sieci Elektroenergetyczne S.A.
(PSE)

PCI or PMI

PCI

PCI/PMI number

3.3.11

EU TYNDP 2022 project code

TR 170

Project category

Electricity transmission

Priority corridor

BEMIP Electricity

Hosting countries

Poland (PL)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.pse.pl/inwestycje/interaktywna-mapa-inwestycji>

Internal line between Dunowo and Żydowo Kierzkowo (PL)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under construction	Rescheduled	Dec-2027
2023	Permitting	On time	Mar-2026
2022	Permitting	Ahead of schedule	Mar-2026
2021	Planned but not yet in permitting	On time	Dec-2027
2020	Planned but not yet in permitting	On time	Dec-2027

Main reason for rescheduling/delay during the reporting period:

Prolongation on tender procedure

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	55.455	0	+20/-10	0.11
2023	55.46	0	+20/-10	0.11
2022	38.16	0	+20/-10	0.11
2021	36.457	0	+20/-10	0.11
2020	26.224	-	+/-	0

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	-	Aug-2023
Permit granting	Sep-2022	Jun-2023
Construction	Jan-2024	Dec-2025

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	The project promoter(s) submitted an investment request (CBCA).
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Polskie Sieci Elektroenergetyczne S.A.
(PSE)

PCI or PMI

PCI

PCI/PMI number

3.3.12

EU TYNDP 2022 project code

TR 170

Project category

Electricity transmission

Priority corridor

BEMIP Electricity

Hosting countries

Poland (PL)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.pse.pl/inwestycje/interaktywna-mapa-inwestycji>

Internal line between Piła Krzewina and Żydowo Kierzkowo (PL)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under construction	Rescheduled	Dec-2027
2023	Permitting	On time	Mar-2026
2022	Permitting	Ahead of schedule	Mar-2026
2021	Planned but not yet in permitting	On time	Dec-2027
2020	Planned but not yet in permitting	On time	Dec-2027

Main reason for rescheduling/delay during the reporting period:

Prolongation on tender procedure

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	146.941	0	+10/-10	0.22
2023	146.94	0	+10/-10	0.22
2022	103.36	0	+10/-10	0.22
2021	75.965	0	+10/-10	0.22
2020	54.642	-	+/-	0

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	-	Aug-2023
Permit granting	Sep-2022	Jun-2023
Construction	Jan-2024	Dec-2025

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	The project promoter(s) submitted an investment request (CBCA).
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Polskie Sieci Elektroenergetyczne S.A.
(PSE)

PCI or PMI

PCI

PCI/PMI number

3.3.13

EU TYNDP 2022 project code

TR 170

Project category

Electricity transmission

Priority corridor

BEMIP Electricity

Hosting countries

Poland (PL)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.pse.pl/inwestycje/interaktywna-mapa-inwestycji>

Internal line between Morzyczyn-Dunowo-Słupsk-Żarnowiec (PL)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under construction	Rescheduled	Dec-2027
2023	Under construction	On time	May-2026
2022	Planned but not yet in permitting	Delayed	May-2026
2021	Planned but not yet in permitting	On time	Dec-2025
2020	Planned but not yet in permitting	On time	Dec-2025

Main reason for rescheduling/delay during the reporting period:

The change in the schedule is caused by the difficulty in obtaining consent to shut down the existing transmission infrastructure.

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	11.119	0	+20/-10	0.3
2023	11.12	0	+20/-10	0.3
2022	12.95	0	+20/-10	0.3
2021	11.485	0	+20/-10	0.3
2020	11.032	-	+/-	0

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	No data	No data
Construction	Sep-2021	May-2026

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	The project promoter(s) submitted an investment request (CBCA).
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Polskie Sieci Elektroenergetyczne S.A.
(PSE)

PCI or PMI

PCI

PCI/PMI number

3.3.14

EU TYNDP 2022 project code

TR 170

Project category

Electricity transmission

Priority corridor

BEMIP Electricity

Hosting countries

Poland (PL)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.pse.pl/inwestycje/interaktywna-mapa-inwestycji>

Internal line between Żarnowiec-Gdańsk/ Gdańsk Przyjaźń-Gdańsk Błonia (PL)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under construction	Ahead of schedule	Dec-2025
2023	Permitting	On time	Aug-2026
2022	Planned but not yet in permitting	Delayed	Aug-2026
2021	Planned but not yet in permitting	On time	Dec-2025
2020	Planned but not yet in permitting	On time	Dec-2025

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	3.367	0	+20/-10	0.1
2023	3.37	0	+20/-10	0.1
2022	3.92	0	+20/-10	0.1
2021	3.848	0	+20/-10	0.1
2020	3.616	-	+/-	0

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	No data	No data
Construction	May-2022	Dec-2025

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	The project promoter(s) submitted an investment request (CBCA).
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Litgrid AB, Augstsprieguma tīkls AS
(AST), Elering AS

PCI or PMI

PCI

PCI/PMI number

3.3.15

EU TYNDP 2022 project code

TR 170

Project category

Electricity transmission

Priority corridor

BEMIP Electricity

Hosting countries

Latvia (LV), Lithuania (LT), Estonia (EE)

Reference date

28/11/2024

Reporting period

01 February 2023 – 28 November 2024

PCI website

<https://tyndp.entsoe.eu/tyndp2018/projects/projects/170><https://elering.ee/en/synchronization-continental-europe><http://www.ast.lv/en/projects/synchronisation-europe> <https://www.litgrid.eu/index.php/synchronisation/synchronisation/31363>

Synchronous condensers providing inertia, voltage stability, frequency stability and short-circuit power in Lithuania, Latvia and Estonia

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under construction	On time	Dec-2025
2023	Permitting	On time	Dec-2025
2022	Permitting	On time	Dec-2025
2021	Permitting	On time	Dec-2025
2020	Under consideration	On time	Dec-2025

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	182.956	-	+3/-4	3.326
2023	222	-	+0/-4	3
2022	222	-	+/-0	3
2021	253.584	-	+13/-0	4.5
2020	333	-	+5/-5	4.5

Reasons for changes in cost data during the reporting period:

PCI/PMI MONITORING 2025

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Detailed technical design; Preparatory works for construction (e.g. land preparation); Construction; Commissioning

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jan-2018	Nov-2019
Permit granting	No data	No data
Construction	Sep-2021	Oct-2025

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	The project promoter(s) submitted an investment request (CBCA).
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment
Project promoter	Costs	Initial investment costs represent total amount of initially planned and additionally contracted investment costs (overall project costs).

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Fingrid Oyj, Svenska Kraftnät (SvK)

PCI or PMI

PCI

PCI/PMI number

3.4.1

EU TYNDP 2022 project code

TR 111

Project category

Electricity transmission

Priority corridor

BEMIP Electricity

Hosting countries

Finland (FI), Sweden (SE)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.fingrid.fi/en/grid/construction/aurora-line/>

Interconnection between northern Finland and northern Sweden

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under construction	On time	Dec-2025
2023	Permitting	On time	Dec-2025
2022	Permitting	On time	Dec-2025
2021	Planned but not yet in permitting	On time	Dec-2025
2020	Planned but not yet in permitting	On time	Dec-2025
2019	Planned but not yet in permitting	-	Dec-2025

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	184	0	+65/-0	0.16
2023	200	-	+0/-	0.24
2022	200	-	+/-	0.24
2021	191	-	+/-	0.24
2020	175	-	+/-	0.24

Reasons for changes in cost data during the reporting period:

Increased investment cost due to 50 towers added after iceload investigation, additional roads was needed to access the transmission line, inflation increased costs in Sweden.

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	No data	Oct-2023
Construction	Oct-2023	Dec-2025

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	The project promoter(s) submitted an investment request (CBCA).
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Fingrid Oyj

PCI or PMI

PCI

PCI/PMI number

3.4.2

EU TYNDP 2022 project code

TR 111

Project category

Electricity transmission

Priority corridor

BEMIP Electricity

Hosting countries

Finland (FI)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.fingrid.fi/en/grid/construction/aurora-line/>

Internal line between Keminmaa and Pyhänselkä (FI)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under construction	On time	Dec-2024
2023	Under construction	On time	Dec-2024
2022	Permitting	On time	Dec-2024
2021	Permitting	On time	Dec-2024
2020	Permitting	On time	Dec-2024
2019	Permitting	-	Dec-2024

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	70	0	+0/-0	0.08
2023	70	-	+0/-	0.08
2022	70	-	+/-	0.08
2021	59	-	+/-	0.08
2020	66	-	+/-	0

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	Mar-2018	Apr-2022
Construction	Sep-2022	Dec-2024

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	The project promoter(s) submitted an investment request (CBCA).
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Fingrid Oyj, Svenska Kraftnät (SvK)

PCI or PMI

PCI

PCI/PMI number

3.5

EU TYNDP 2022 project code

TR 1095

Project category

Electricity transmission

Priority corridor

BEMIP Electricity

Hosting countries

Finland (FI), Sweden (SE)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

"N/A" The project is still in a very early stage. Currently, the available information is included in the main grid development plan, and when the pre-feasibility study is finalized in 2025, this project will also have its own website.

Fourth interconnection between Finland – Sweden [currently known as "Aurora line 2"]

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under consideration	On time	Dec-2032

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	270	0	+/-	0.3

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	No data	No data
Construction	-	Dec-2032

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) have not decided yet on the intentions for the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) have not decided yet on the intentions to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have not decided yet on intentions to apply for specific incentives.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Elering AS, Fingrid Oyj

PCI or PMI

PCI

PCI/PMI number

3.6

EU TYNDP 2022 project code

TR 1094

Project category

Electricity transmission

Priority corridor

BEMIP Electricity

Hosting countries

Finland (FI), Estonia (EE)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://elering.ee/estlink-3>

Interconnection between Finland and Estonia [currently known as "Estlink 3"]

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under consideration	On time	Dec-2035

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	1029.7	89.7	+10/-10	6.44

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Oct-2024	Mar-2027
Permit granting	No data	No data
Construction	Jul-2026	Dec-2035

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) do not plan to apply in the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. However, the project promoter(s) plan to submit a CBCA in the future.
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

TenneT TSO B.V. (NL), TenneT TSO
GmbH (DE), Energinet.dk

PCI or PMI

PCI

PCI/PMI number

4.1

EU TYNDP 2022 project code

TR 335

Project category

Electricity transmission

Priority corridor

NSOG

Hosting countries

Netherlands (NL), Denmark (DK),
Germany (DE)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://northseawindpowerhub.eu/>

North Sea Wind Power Hub

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is not included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

Germany: To be included in upcoming NDP and already included in scenarios.
Denmark: not included in the NDP, but it is included in the presumptions for the grid planning

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under consideration	On time	Dec-2035
2023	Under consideration	On time	Dec-2035
2022	Under consideration	On time	Dec-2035
2021	Under consideration	On time	Dec-2035
2020	Under consideration	On time	Dec-2035

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	-	0	+30/-20	
2023	11300	0	+30/-20	40.1
2022	11300	0	+30/-20	40.1
2021	11300	0	+30/-20	40.1
2020	11300	0	+30/-20	40.1

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	-	-
Permit granting	-	-
Construction	-	-

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	-
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Elia Transmission Belgium, Energinet.dk

PCI or PMI

PCI

PCI/PMI number

4.2

EU TYNDP 2022 project code

TR 1092

Project category

Electricity transmission

Priority corridor

NSOG

Hosting countries

Belgium (BE), Denmark (DK), Germany (DE), Netherlands (NL), United Kingdom (UK)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.elia.be/en/infrastructure-and-projects/infrastructure-projects/tritonlink>

Offshore hybrid interconnector between Belgium and Denmark [currently known as “Triton Link”]

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in some of the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under consideration	On time	Dec-2036

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	10092		+0/-0	101

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	No data	No data
Construction	-	31/12/2036

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) have not decided yet on the intentions for the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. However, the project promoter(s) plan to submit a CBCA in the future.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have not decided yet on intentions to apply for specific incentives.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Réseau de Transport d'Electricité (RTE)

PCI or PMI

PCI

PCI/PMI number

4.3

EU TYNDP 2022 project code

TR 1122

Project category

Electricity transmission

Priority corridor

NSOG

Hosting countries

France (FR)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.rte-france.com/projets/nos-projets/raccordement-parc-eolien-mer-centre-manche-1>

High voltage offshore substation and connection to Manuel (FR) OffshoreWindconnectionCentreManche1

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is not included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

The latest NDP was prepared before this investment could have been in

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Permitting	Delayed	Dec-2031

Main reason for rescheduling/delay during the reporting period:

Permitting - Delays due to other permit granting reasons. Delay in instruction by the Authorities (additional information requested)

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	2700		+30/-30	19

Reasons for changes in cost data during the reporting period:

PCI/PMI MONITORING 2025

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: environmental; STUDY: spatial planning; Preparation of permitting files, contracts and other documents; Negotiations with landowners and land acquisition; Tendering

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	-	Mar-2025
Permit granting	Sep-2021	Dec-2025
Construction	Mar-2026	Dec-2031

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) do not plan to apply in the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) do not plan to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have no intentions to apply in the future.

COMMENTS

Entity	Category	Comment
Project Promoter	General aspects; General aspects; Project collections; Benefits	https://www.eoliennesenmer.fr/facades-maritimes-en-france/facade-manche-mer-du-nord/projet-centre-manche/centre-manche-1 ; Project Name : Offshore Wind connection Centre Manche 1; The project is included in the TYNDP 2024 and the assessment of costs and benefits is ongoing. The code in TYNDP 2024 is TR 1122.; The project is included in the TYNDP 2024 and the assessment of costs and benefits is ongoing. The project was also assessed in the TYNDP 2022.

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Réseau de Transport d'Electricité (RTE)

PCI or PMI

PCI

PCI/PMI number

4.4

EU TYNDP 2022 project code

TR 1123

Project category

Electricity transmission

Priority corridor

NSOG

Hosting countries

France (FR)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.rte-france.com/projets/nos-projets/raccordement-parc-eolien-mer-centre-manche-2>

High voltage offshore substation and connection to Tourbe (FR) OffshoreWindconnectionCentreManche2

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is not included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

The latest NDP was prepared before this investment could have been in

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	Rescheduled	Jun-2032

Main reason for rescheduling/delay during the reporting period:

The investment was still at an initial stage (under studies) and therefore the previous implementation plan was preliminary

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	2500		+30/-30	17

Reasons for changes in cost data during the reporting period:

PCI/PMI MONITORING 2025

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: environmental; STUDY: spatial planning; Preparation of permitting files, contracts and other documents; Negotiations with landowners and land acquisition; Tendering

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	-	Mar-2025
Permit granting	Oct-2022	May-2026
Construction	Jun-2026	Jun-2032

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) do not plan to apply in the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) do not plan to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have no intentions to apply in the future.

COMMENTS

Entity	Category	Comment
Project Promoter	General aspects; General aspects; Project collections; Benefits	Project Name : Offshore Wind connection Centre Manche 2; https://www.eoliennesenmer.fr/facades-maritimes-en-france/facade-manche-mer-du-nord/projet-centre-manche/centre-manche-2 ; The project is included in the TYNDP 2024 and the assessment of costs and benefits is ongoing. The code in TYNDP 2024 is TR 1123.; The project is included in the TYNDP 2024 and the assessment of costs and benefits is ongoing. The project was also assessed in the TYNDP 2022.

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

National Grid Interconnector Holdings
Limited (NGHIL), Elia Transmission
Belgium

PCI or PMI

PMI

PCI/PMI number

4.5

EU TYNDP 2022 project code

TR 121

Project category

Electricity transmission

Priority corridor

NSOG

Hosting countries

United Kingdom (GB), Belgium (BE)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.nationalgrid.com/national-grid-ventures/interconnectors-connecting-cleaner-future/nautilus-interconnector>
- <https://www.elia.be/fr/infrastructure-et-projets/projets-infrastructure/nautilus>

Nautilus

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in some of the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	Rescheduled	Dec-2031
2021	Under consideration	Rescheduled	Dec-2028
2020	Under consideration	On time	Jan-2028
2019	Under consideration	-	Jan-2028

Main reason for rescheduling/delay during the reporting period:

The investment was still at an initial stage (under studies) and therefore the previous implementation plan was preliminary

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	0	-	+0/-0	0
2021	900	-	+/-	8
2020	900	-	+/-	8

Reasons for changes in cost data during the reporting period:

PCI/PMI MONITORING 2025

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: environmental; STUDY: spatial planning; STUDY: technical feasibility;
STUDY: socio-economic feasibility; Identification of alternative solutions / site
identification

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	No data	No data
Construction	-	Oct-2028

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) do not plan to apply in the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) do not plan to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have no intentions to apply in the future.

COMMENTS

Entity	Category	Comment
Project Promoter	Implementation	Dates for Construction are expected to be 10/2027 to 10/2031

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Elering AS, Augstsprieguma tīkls AS
(AST)

PCI or PMI

PCI

PCI/PMI number

5.1

EU TYNDP 2022 project code

TR 1088

Project category

Electricity transmission

Priority corridor

BEMIP Electricity

Hosting countries

Latvia (LV), Estonia (EE)

Reference date

28/11/2024

Reporting period

01 February 2023 – 28 November 2024

PCI website

<https://www.elering.ee/eesti-lati-neljas-elektrihendus>; <https://elwindoffshore.eu/>

Latvia and Estonia Hybrid Offshore interconnector [currently known as “Elwind”]

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

The technical setup of the project has changed and the voltage level was adjusted to the accurate one.

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under consideration	Rescheduled	Dec-2035

Main reason for rescheduling/delay during the reporting period:

The investment was still at an initial stage (under studies) and therefore the previous implementation plan was preliminary, and changes due to complementarity with other rescheduled transmission investments – The spatial planning is ongoing: <https://riigiplaneering.ee/riigi-eriplaneeringud/eesti-lati-neljas-elektrihendus>. Elering can commit to commissioning the project 7 years after adopting the spatial plan

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	1520	-	+/-0	5

Reasons for changes in cost data during the reporting period:

PCI/PMI MONITORING 2025

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: environmental; STUDY: spatial planning

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Oct-2023	Dec-2026
Permit granting	No data	No data
Construction	Jan-2029	Dec-2033

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) do not plan to apply in the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. However, the project promoter(s) plan to submit a CBCA in the future.
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment
Project Promoter	General aspects; Benefits; Intergov. Agreements; Implementation	The project should be renamed, as Elwind is a separate project. Elwind is developed by the Estonian and Latvian states. The interconnector enabling offshore grid connections is developed by the TSO-s.; The benefits will be added only after Investment Request submission to NRA-s; No intergovernmental agreement has been signed for this project; As the spatial plannings have not been completed the construction time might vary. The developers are able to construct the connection 7 years after adoption of spatial plan.

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Energinet.dk, 50Hertz Transmission GmbH

PCI or PMI

PCI

PCI/PMI number

5.2

EU TYNDP 2022 project code

TR 1106

Project category

Electricity transmission

Priority corridor

BEMIP Offshore

Hosting countries

Denmark (DK), Germany (DE)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://bornholmenergyisland.eu/en/>

Bornholm Energy Island (BEI) Hybrid Offshore interconnector between Denmark and Germany

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in some of the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

Germany: Not advanced enough to be included (e.g. study has not turned into a project yet)

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2030

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	5497		+20/-20	43.976

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Mar-2026	Mar-2028
Permit granting	Feb-2025	Mar-2028
Construction	Oct-2025	Dec-2030

REGULATORY TREATMENT

Exemption ³	Not applicable/available to the project
Cross Border Cost Allocation ⁴	The project promoter(s) submitted an investment request (CBCA).
Project specific risk-based incentives ⁵	Not applicable/available to the project

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

GENERAL DATA

Project promoters

Réseau de Transport d'Electricité (RTE)

PCI or PMI

PCI

PCI/PMI number

6.1

EU TYNDP 2022 project code

TR 1125

Project category

Electricity transmission

Priority corridor

SW Offshore

Hosting countries

France (FR)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.rte-france.com/projets/nos-projets/raccordement-eoliennes-flottantes-narbonnaise-mediterranee>

Offshore Wind Connection Occitanie (FR)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

The project was at an initial stage during the previous collection. Therefore, we included in this reporting the latest available information.

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is not included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

The latest NDP was prepared before this investment could have been in

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	Rescheduled	Sep-2032

Main reason for rescheduling/delay during the reporting period:

The commissioning date has been rescheduled to include the 2nd wind farm connexion works (call for tender launched by the french State mid-2024)

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	1280		+30/-30	9

Reasons for changes in cost data during the reporting period:

PCI/PMI MONITORING 2025

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: environmental; STUDY: spatial planning; STUDY: technical feasibility;
Identification of alternative solutions / site identification; Preparation of
permitting files, contracts and other documents; Tendering

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	-	Mar-2025
Permit granting	Feb-2022	Aug-2026
Construction	Dec-2026	Jun-2032

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) do not plan to apply in the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) do not plan to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have no intentions to apply in the future.

COMMENTS

Entity	Category	Comment
Project Promoter	General aspects; Project collections; Benefits	https://www.eoliennesenmer.fr/facades-maritimes-en-france/facade-mediterranee/projets-en-mediterranee/Narbonnaise ; The project is included in the TYNDP 2024 and the assessment of costs and benefits is ongoing. The code in TYNDP 2024 is TR 1125.; The project is included in the TYNDP 2024 and the assessment of costs and benefits is ongoing. The project was also assessed in the TYNDP 2022.

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Réseau de Transport d'Electricité (RTE)

PCI or PMI

PCI

PCI/PMI number

6.2

EU TYNDP 2022 project code

TR 1126

Project category

Electricity transmission

Priority corridor

SW Offshore

Hosting countries

France (FR)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.rte-france.com/projets/nos-projets/raccordement-eoliennes-flottantes-fos-sur-mer-mediterranee>

Offshore Wind Connection PACA (FR)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

The project was at an initial stage during the previous collection. Therefore, we included in this reporting the latest available information.

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is not included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

The latest NDP was prepared before this investment could have been in

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	Rescheduled	Mar-2033

Main reason for rescheduling/delay during the reporting period:

The investment was still at an initial stage (under studies) and therefore the previous implementation plan was preliminary. The commissioning date has been rescheduled to include the 2nd wind farm connexion works (call for tender launched by the french State mid-2024)

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	1300	-	+30/-30	9

Reasons for changes in cost data during the reporting period:

PCI/PMI MONITORING 2025

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: environmental; STUDY: spatial planning; STUDY: technical feasibility;
Identification of alternative solutions / site identification; Public consultation;
Preparation of permitting files, contracts and other documents; Tendering

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	-	Mar-2025
Permit granting	Nov-2022	Mar-2027
Construction	Jun-2027	Mar-2033

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) do not plan to apply in the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) do not plan to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have no intentions to apply in the future.

COMMENTS

Entity	Category	Comment
Project Promoter	General aspects; Project collections; Benefits	Website of the OWF: https://www.eoliennesenmer.fr/facades-maritimes-en-france/facade-mediterranee/projets-en-mediterranee/Golfe-Fos ; The project is included in the TYNDP 2024 and the assessment of costs and benefits is ongoing. The code in collection TYNDP 2024 is TR1126; The project is included in the TYNDP 2024 and the assessment of costs and benefits is ongoing. The project was also assessed in the TYNDP 2022.

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Réseau de Transport d'Electricité (RTE)

PCI or PMI

PCI

PCI/PMI number

8.1

EU TYNDP 2022 project code

TR 1124

Project category

Electricity transmission

Priority corridor

Atlantic Offshore grids

Hosting countries

France (FR)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.rte-france.com/projet/nos-projets/projet-deoliennes-flottantes-au-sud-de-la-bretagne>

Offshore Wind Connection South Brittany (FR)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

The project was at an initial stage during the previous collection. Therefore, we included in this reporting the latest available information.

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is not included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

The latest NDP was prepared before this investment could have been in

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	Rescheduled	Mar-2032

Main reason for rescheduling/delay during the reporting period:

The commissioning date has been rescheduled to include the 2nd wind farm connexion works (call for tender launched by the french State mid-2024)

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	1600		+30/-30	11

Reasons for changes in cost data during the reporting period:

PCI/PMI MONITORING 2025

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: environmental; STUDY: spatial planning; Preparation of permitting files, contracts and other documents; Negotiations with landowners and land acquisition; Tendering

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	-	Mar-2025
Permit granting	Nov-2021	May-2026
Construction	Jun-2026	Mar-2032

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) do not plan to apply in the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) do not plan to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have no intentions to apply in the future.

COMMENTS

Entity	Category	Comment
Project Promoter	General aspects; Project collections; Benefits	https://www.eoliennesenmer.fr/facades-maritimes-en-france/facade-nord-atlantique-manche-ouest/projet-en-bretagne-sud ; The project is included in the TYNDP 2024 and the assessment of costs and benefits is ongoing. The code in TYNDP 2024 is TR 1124.; The project is included in the TYNDP 2024 and the assessment of costs and benefits is ongoing. The code in TYNDP 2024 is TR 1124.

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Réseau de Transport d'Electricité (RTE)

PCI or PMI

PCI

PCI/PMI number

8.2

EU TYNDP 2022 project code

TR 1127

Project category

Electricity transmission

Priority corridor

Atlantic Offshore grids

Hosting countries

France (FR)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.rte-france.com/projets/nos-projets/projet-eolien-en-mer-en-sud-atlantique>

Offshore Wind Connection South Atlantic (FR)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

This investment includes offshore substation, onshore converter station and HVDC cables. The item corresponding to the most valuable cost was selected in the investment category

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is not included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

The latest NDP was prepared before this investment could have been in

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	Rescheduled	Mar-2033

Main reason for rescheduling/delay during the reporting period:

The investment was still at an initial stage (under studies) and therefore the previous implementation plan was preliminary. The project is currently in its initial stage. The timeline adjustment was necessary to ensure alignment with the most recent data and EPCI procurement requirements, which were not fully available at the project's outset, resulting in an unforeseen need for rescheduling.

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	2700	-	+30/-30	19

Reasons for changes in cost data during the reporting period:

PCI/PMI MONITORING 2025

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: environmental; STUDY: spatial planning; STUDY: technical feasibility;
Identification of alternative solutions / site identification; Preparation of
permitting files, contracts and other documents; Tendering

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	-	Mar-2025
Permit granting	Feb-2023	Mar-2027
Construction	Jun-2027	Mar-2033

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) do not plan to apply in the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) do not plan to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have no intentions to apply in the future.

COMMENTS

Entity	Category	Comment
Project Promoter	General aspects; Project collections; Benefits	https://www.eoliennesenmer.fr/facades-maritimes-en-france/facade-sud-atlantique/oleron/oleron-1 ; The project is included in the TYNDP 2024 and the assessment of costs and benefits is ongoing. The code in TYNDP 2024 collection is TR 1127; The project is included in the TYNDP 2024 and the assessment of costs and benefits is ongoing. The project was also assessed in the TYNDP 2022.

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

REN Gasodutos, SA

PCI or PMI

PCI

PCI/PMI number

9.1.1

EU TYNDP 2022 project code

Project category

Hydrogen transmission

Priority corridor

HI West

Hosting countries

Portugal (PT)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://h2medproject.com/> and <https://www.ren.pt/pt-pt/atividade/principais-projetos/celza-e-eixo-nacional-de-transporte-de-hidrogenio>

Internal hydrogen infrastructure in Portugal

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Oct-2030

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	210		+/-0	3.5

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	May-2025	Mar-2027
Construction	Nov-2027	Sep-2030

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) do not plan to apply in the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. However, the project promoter(s) plan to submit a CBCA in the future.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. However, the project promoter(s) plan to apply for specific incentives in the future.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

REN Gasodutos, SA, Enagás
Infraestructuras de Hidrógeno

PCI or PMI

PCI

PCI/PMI number

9.1.2

EU TYNDP 2022 project code

Project category

Hydrogen transmission

Priority corridor

HI West

Hosting countries

Portugal (PT), Spain (ES)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://h2medproject.com/> and
[https://www.ren.pt/pt-pt/atividade/
principaisprojetos/celza-e-eixo-nacional-
de-transporte-de-hidrogenio](https://www.ren.pt/pt-pt/atividade/principaisprojetos/celza-e-eixo-nacional-de-transporte-de-hidrogenio)

Hydrogen interconnector Portugal – Spain

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

N/A

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Permitting	On time	Oct-2030

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	408	-	+19/-3	11

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	Dec-2024	Oct-2027
Construction	Nov-2027	Oct-2030

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) do not plan to apply in the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. However, the project promoter(s) plan to submit a CBCA in the future.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have not decided yet on intentions to apply for specific incentives.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Enagás Infraestructuras de Hidrógeno

PCI or PMI

PCI

PCI/PMI number

9.1.3

EU TYNDP 2022 project code

Project category

Hydrogen transmission

Priority corridor

HI West

Hosting countries

Spain (ES)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.enagas.es/es/transicion-energetica/red-gasista/infraestructuras-energeticas/transporte-hidrogeno/>

Internal hydrogen infrastructure in Spain

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

N/A

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Permitting	On time	Dec-2029

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	3500	-	+0/-0	97.92

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	Dec-2024	Apr-2028
Construction	Dec-2027	Dec-2029

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) do not plan to apply in the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. However, the project promoter(s) plan to submit a CBCA in the future.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have not decided yet on intentions to apply for specific incentives.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Open Grid Europe GmbH, TERECA,
GRTgaz, Enagás Infraestructuras de
Hidrógeno

PCI or PMI

PCI

PCI/PMI number

9.1.4

EU TYNDP 2022 project code

Project category

Hydrogen transmission

Priority corridor

HI West

Hosting countries

Spain (ES), France (FR)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://h2medproject.com>

Hydrogen interconnector Spain France [currently known as BarMar]

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

N/A

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Oct-2030

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	1067.5	-	+40/-40	40

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	Nov-2024	Sep-2027
Construction	Aug-2028	Oct-2030

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) have not decided yet on the intentions for the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. However, the project promoter(s) plan to submit a CBCA in the future.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have not decided yet on intentions to apply for specific incentives.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Open Grid Europe GmbH, GRTgaz
Deutschland GmbH

PCI or PMI

PCI

PCI/PMI number

9.1.6

EU TYNDP 2022 project code

Project category

Hydrogen transmission

Priority corridor

HI West

Hosting countries

Germany (DE)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.h2ercules.com/en>

Internal hydrogen infrastructure in Germany connecting to France [currently known H2Hercules South]

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2029

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	569	0	+0/-0	9.5

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jul-2024	Oct-2024
Permit granting	No data	No data
Construction	Jan-2028	Dec-2029

REGULATORY TREATMENT

Exemption ³	Not applicable/available to the project
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) have not decided yet on the intentions to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have no intentions to apply in the future.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

GRTgaz, Terranets bw GmbH

PCI or PMI

PCI

PCI/PMI number

9.2.1

EU TYNDP 2022 project code

Project category

Hydrogen transmission

Priority corridor

HI West

Hosting countries

Germany (DE), France (FR)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

terranets bw: https://www.terranets-bw.de/rhyn_interco ; badenovaNETZE: <https://badenovanetze.de/rhyn-interco/>

Hydrogen valley in Germany to the French border [currently known as RHYn]

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in some of the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2029

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	53	0	#N/A	0

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Nov-2023	Oct-2024
Permit granting	No data	No data
Construction	Sep-2027	Dec-2029

REGULATORY TREATMENT

Exemption ³	Not applicable/available to the project
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) have not decided yet on the intentions to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) requested a project-specific risk-based incentive.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

GRTgaz, Creos Deutschland Wasserstoff GmbH

PCI or PMI

PCI

PCI/PMI number

9.2.2

EU TYNDP 2022 project code

Project category

Hydrogen transmission

Priority corridor

HI West

Hosting countries

France (FR), Germany (DE)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.creos-net.de/das-unternehmen/wasserstoff/leitungsprojekt-mosahyc>

Hydrogen valley in France to the German border [currently known as Mosahyc]

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in some of the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Permitting	On time	Sep-2027

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	0	0	+/-	0

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jan-2023	Aug-2025
Permit granting	No data	No data
Construction	Jan-2026	Sep-2027

REGULATORY TREATMENT

Exemption ³	Not applicable/available to the project
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) have not decided yet on the intentions to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have no intentions to apply in the future.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Open Grid Europe GmbH

PCI or PMI

PCI

PCI/PMI number

9.4

EU TYNDP 2022 project code

Project category

Hydrogen transmission

Priority corridor

HI West

Hosting countries

Germany (DE)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.h2ercules.com/en>

Internal hydrogen infrastructure in Germany [currently known as H2ercules West]

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2028

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	101.4	0	+30/-30	0.8

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jul-2024	Oct-2024
Permit granting	No data	No data
Construction	Sep-2027	Oct-2028

REGULATORY TREATMENT

Exemption ³	Not applicable/available to the project
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) have not decided yet on the intentions to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have no intentions to apply in the future.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Open Grid Europe GmbH

PCI or PMI

PCI

PCI/PMI number

9.7.1

EU TYNDP 2022 project code

Project category

Hydrogen transmission

Priority corridor

HI West

Hosting countries

Germany (DE)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.h2ercules.com/en>

Hydrogen interconnector from the North-South backbone in East to Oude (NL) - H2ercules North (DE)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2029

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	1701.4	0	+30/-30	14.7

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jul-2024	Oct-2024
Permit granting	No data	No data
Construction	Jan-2026	Dec-2029

REGULATORY TREATMENT

Exemption ³	Not applicable/available to the project
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) have not decided yet on the intentions to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have no intentions to apply in the future.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Thyssengas GmbH

PCI or PMI

PCI

PCI/PMI number

9.7.2

EU TYNDP 2022 project code

Project category

Hydrogen transmission

Priority corridor

HI West

Hosting countries

Germany (DE), Netherlands (NL)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.get-h2.de/>

Hydrogen interconnector from the North-South backbone in East to Vliegghuis(NL)–Vliegghuis– Ochtrup(DE)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Permitting	On time	Dec-2027

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	20.82	-	+/-	0.17

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	Jun-2023	Jun-2024
Construction	Mar-2025	Dec-2026

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) have not decided yet on the intentions for the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) have not decided yet on the intentions to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have not decided yet on intentions to apply for specific incentives.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Open Grid Europe GmbH

PCI or PMI

PCI

PCI/PMI number

9.7.3

EU TYNDP 2022 project code

Project category

Hydrogen transmission

Priority corridor

HI West

Hosting countries

Germany (DE)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://delta-rhine-corridor.com/en>

Delta Rhine Corridor H2

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2029

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	222.2	0	+0/-0	3.5

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jul-2024	Oct-2024
Permit granting	No data	No data
Construction	Jan-2028	Dec-2029

REGULATORY TREATMENT

Exemption ³	Not applicable/available to the project
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) have not decided yet on the intentions to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have no intentions to apply in the future.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

GASCADE Gastransport GmbH

PCI or PMI

PCI

PCI/PMI number

9.8

EU TYNDP 2022 project code

Project category

Hydrogen transmission

Priority corridor

HI West

Hosting countries

Germany (DE)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://aquaductus-offshore.de/de/wasserstoff-infrastruktur-in-der-nordsee/>

Offshore hydrogen pipeline Germany [currently known as AquaDuctus]

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2030

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	2800	-	+/-	18

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jul-2024	Oct-2024
Permit granting	No data	No data
Construction	Mar-2028	Dec-2030

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) do not plan to apply in the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) do not plan to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have no intentions to apply in the future.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Gasunie Deutschland Transport
Services GmbH

PCI or PMI

PCI

PCI/PMI number

9.9.1

EU TYNDP 2022 project code

Project category

Hydrogen transmission

Priority corridor

HI West

Hosting countries

Germany (DE)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.hyperlink-gasunie.de/en/>

Internal hydrogen infrastructure in Germany [currently known as HyperLink III]

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2028

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	0	0	+/-	0

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	Apr-2024	Oct-2027
Construction	Oct-2027	Oct-2028

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) do not plan to apply in the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) have not decided yet on the intentions to submit a CBCA.
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Energinet.dk

PCI or PMI

PCI

PCI/PMI number

9.9.2

EU TYNDP 2022 project code

Project category

Hydrogen transmission

Priority corridor

HI West

Hosting countries

Denmark (DK)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

=

Internal hydrogen infrastructure in Denmark [currently known as DK Hydrogen Pipeline West]

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2030

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	1546	0	+0/-0	12

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	No data	No data
Construction	No data	No data

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) have not decided yet on the intentions for the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) have not decided yet on the intentions to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have not decided yet on intentions to apply for specific incentives.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

RWE Supply & Trading GmbH

PCI or PMI

PCI

PCI/PMI number

9.11.1

EU TYNDP 2022 project code

Project category

Hydrogen terminal

Priority corridor

HI West

Hosting countries

Germany (DE)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.rwe.com/forschung-und-entwicklung/projektvorhaben/projektstandort-brunsbuettel>

Ammonia reception facility terminal Brunsbüttel

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

N/A

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2030

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	300	-	+0/-0	6

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	No data	No data
Construction	Jun-2028	Apr-2030

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) have not decided yet on the intentions for the future.
Cross Border Cost Allocation ⁴	Not applicable/available to the project
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have not decided yet on intentions to apply for specific incentives.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

BP Europa SE

PCI or PMI

PCI

PCI/PMI number

9.11.2

EU TYNDP 2022 project code

Project category

Hydrogen terminal

Priority corridor

HI West

Hosting countries

Germany (DE)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

https://www.bp.com/de_de/germany/home/wilhelmshaven-hydrogen-hub.html

Ammonia reception facility Wilhelmshaven (BP)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

N/A

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under consideration	On time	Dec-2030

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	880	880	+/-	65

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	No data	No data
Construction	No data	No data

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	-
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Uniper Hydrogen GmbH

PCI or PMI

PCI

PCI/PMI number

9.11.3

EU TYNDP 2022 project code

Project category

Hydrogen terminal

Priority corridor

HI West

Hosting countries

Germany (DE)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.uniper.energy/solutions/energy-transformation-hubs/energy-transformation-hub-northwest/green-wilhelmshaven>

Ammonia reception facility Wilhelmshaven (Uniper)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

N/A

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2030

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	910	-	+0/-0	60

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	No data	Dec-2027
Construction	Oct-2027	Dec-2030

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) have not decided yet on the intentions for the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) have not decided yet on the intentions to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. However, the project promoter(s) plan to apply for specific incentives in the future.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Bay of Biscay Hydrogen S.L., Bay of
Biscay Hydrogen SL

PCI or PMI

PCI

PCI/PMI number

9.15.2

EU TYNDP 2022 project code

Project category

Electrolyser

Priority corridor

HI West

Hosting countries

Spain (ES)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

=

Bilbao large scale electrolyser

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

N/A

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Permitting	Rescheduled	Dec-2028

Main reason for rescheduling/delay during the reporting period:

The main reason for the delay of the project is the delay in receiving the funds associated with the IPCEI program. Project was qualified as an IPCEI project in September 2022 but until July 2024 the Spanish Authorities have not pre-assigned to this project an amount of 160 M€ (100% of de Funding Gap requested in 2022). As project Promoter we submitted all the required information by the Royal Decree on time, and we are currently awaiting the final resolution from the Spanish Authorities, which is due by 8 January 2025.

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	0	0	+/-	0

Reasons for changes in cost data during the reporting period:

PCI/PMI MONITORING 2025

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Preparation of permitting files, contracts and other documents; Negotiations with landowners and land acquisition; Detailed technical design

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	Jul-2023	No data
Construction	Nov-2025	Mar-2028

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	-
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment
Project Promoter	Benefits; Intergov. Agreements	The project is included in the latest relevant EU TYNDP. Hence, no benefits are included in this reporting.; The project participates in the Call-for-Interest organized by H2Med, the consortium formed by gas TSOs of Portugal, Spain, France and Germany to build a south-west hydrogen corridor.

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Repsol S.A

PCI or PMI

PCI

PCI/PMI number

9.15.3

EU TYNDP 2022 project code

Project category

Electrolyser

Priority corridor

HI West

Hosting countries

Spain (ES)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

[Not yet available.](#)

Cartagena large scale electrolyser

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

N/A

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Feb-2029

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	339	36	+24/-5	60.2

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	Oct-2024	Aug-2026
Construction	Aug-2026	Mar-2029

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	-
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

COMPAÑÍA ESPAÑOLA DE PETRÓLEOS,
S.A.

PCI or PMI

PCI

PCI/PMI number

9.15.4

EU TYNDP 2022 project code

Project category

Electrolyser

Priority corridor

HI West

Hosting countries

Spain (ES)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

[https://www.moeve.es/en/utilities/
catalogue/sustainable-green-hydrogen/
andalusian-valley](https://www.moeve.es/en/utilities/catalogue/sustainable-green-hydrogen/andalusian-valley)

Valle andaluz del hidrógeno verde electrolyser

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

N/A

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2030

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/ downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	3958	-	+38/-36	118.5

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Dec-2023	Mar-2024
Permit granting	No data	-
Construction	Apr-2025	Dec-2027

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	-
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

H2 Aboño, S.A. (EDP Group), H2
ABOÑO, S.A.

PCI or PMI

PCI

PCI/PMI number

9.15.5

EU TYNDP 2022 project code

Project category

Electrolyser

Priority corridor

HI West

Hosting countries

Spain (ES)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://espana.edp.com/en/asturias-h2-valley>

Asturias H2 valley electrolyser

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

N/A

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Permitting	On time	Dec-2027

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	0	0	+/-	0

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	No data	Mar-2024
Construction	Jan-2025	Sep-2026

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	-
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Uniper Hydrogen GmbH

PCI or PMI

PCI

PCI/PMI number

9.18.1

EU TYNDP 2022 project code

Project category

Electrolyser

Priority corridor

HI West

Hosting countries

Germany (DE)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.uniper.energy/solutions/energy-transformation-hubs/energy-transformation-hub-northwest>

GreenWilhelmshaven electrolyser

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

N/A

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Permitting	On time	Jun-2029

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	1800	-	+0/-0	600

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	Oct-2023	Feb-2027
Construction	May-2027	Jul-2029

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	-
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

EWE GASSPEICHER GmbH

PCI or PMI

PCI

PCI/PMI number

9.18.2

EU TYNDP 2022 project code

Project category

Electrolyser

Priority corridor

HI West

Hosting countries

Germany (DE)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

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CHC Wilhelmshaven electrolyser

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	Delayed	Dec-2032

Main reason for rescheduling/delay during the reporting period:

The project is currently delayed due to a delay on the side of the project partner. Details cannot be disclosed due to a non-disclosure agreement.

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	0	0	+/-	0

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	No data	No data
Construction	No data	No data

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	-
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Energinet.dk

PCI or PMI

PCI

PCI/PMI number

9.20

EU TYNDP 2022 project code

Project category

Hydrogen storage

Priority corridor

HI West

Hosting countries

Denmark (DK)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://gasstorage.dk/hydrogen-storage>

Danish Hydrogen Storage

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is not included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

There is no national development plan for hydrogen storage

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Mar-2028

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	130	-	+0/-0	4

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	Jan-2026	No data
Construction	Jan-2027	Mar-2028

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) have not decided yet on the intentions for the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) have not decided yet on the intentions to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have not decided yet on intentions to apply for specific incentives.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

GENERAL DATA

Project promoters

Storengy Deutschland GmbH

PCI or PMI

PCI

PCI/PMI number

9.22.1

EU TYNDP 2022 project code

Project category

Hydrogen storage

Priority corridor

HI West

Hosting countries

Germany (DE)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.salthy.de/de>

Salthy hydrogen storage Harsefeld

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

N/A

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2032

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	253.2	-	+30/-30	5.6

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	Feb-2025	Jan-2026
Construction	Mar-2026	Dec-2032

REGULATORY TREATMENT

Exemption ³	Not applicable/available to the project
Cross Border Cost Allocation ⁴	Not applicable/available to the project
Project specific risk-based incentives ⁵	Not applicable/available to the project

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

RWE Gas Storage West GmbH

PCI or PMI

PCI

PCI/PMI number

9.22.2

EU TYNDP 2022 project code

Project category

Hydrogen storage

Priority corridor

HI West

Hosting countries

Germany (DE)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.rwe-gasstorage-west.com/en/hydrogen/expansion-project-epe-h2/>

RWE H2 Storage expansion Gronau-Epe

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Permitting	On time	Dec-2029

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	-	58.75	+15/-15	-

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	Oct-2024	Dec-2025
Construction	Apr-2026	Dec-2029

REGULATORY TREATMENT

Exemption ³	Not applicable/available to the project
Cross Border Cost Allocation ⁴	Not applicable/available to the project
Project specific risk-based incentives ⁵	Not applicable/available to the project

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Enagás Infraestructuras de Hidrógeno

PCI or PMI

PCI

PCI/PMI number

9.24.1

EU TYNDP 2022 project code

Project category

Hydrogen storage

Priority corridor

HI West

Hosting countries

Spain (ES)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.enagas.es/es/transicion-energetica/red-gasista/infraestructuras-energeticas/transporte-hidrogeno/>

H2 storage North – 1

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

N/A

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Permitting	On time	Oct-2030

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	580	-	+0/-0	9

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	Dec-2024	Dec-2027
Construction	Nov-2027	Oct-2030

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) do not plan to apply in the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. However, the project promoter(s) plan to submit a CBCA in the future.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have not decided yet on intentions to apply for specific incentives.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Enagás Infraestructuras de Hidrógeno

PCI or PMI

PCI

PCI/PMI number

9.24.2

EU TYNDP 2022 project code

Project category

Hydrogen storage

Priority corridor

HI West

Hosting countries

Spain (ES)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.enagas.es/es/transicion-energetica/red-gasista/infraestructurasenergeticas/transporte-hidrogeno/>

H2 storage North – 2

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

N/A

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	Delayed	Oct-2030

Main reason for rescheduling/delay during the reporting period:

The feasibility phase includes drilling stratigraphic wells. Obtaining administrative permits, expected to take longer than initially anticipated, must come first. Permit preparation will begin no earlier than March 2025.

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	658	-	+/-	9

Reasons for changes in cost data during the reporting period:

PCI/PMI MONITORING 2025

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Identification of alternative solutions / site identification; Preparation of permitting files, contracts and other documents; Other works or activities (please specify below)

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	No data	No data
Construction	Jun-2028	Oct-2030

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) do not plan to apply in the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. However, the project promoter(s) plan to submit a CBCA in the future.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have not decided yet on intentions to apply for specific incentives.

COMMENTS

Entity	Category	Comment
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¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Equinor ASA, GASSCO AS

PCI or PMI

PMI

PCI/PMI number

9.25

EU TYNDP 2022 project code

Project category

Hydrogen transmission

Priority corridor

HI West

Hosting countries

Germany (DE), Norway (NO)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

=

Offshore hydrogen pipeline Norway – Germany

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

No information

Reason for partial inclusion:

N/A

Reason for non-inclusion:

No information

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Cancelled	-	-

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
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Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	No data	No data
Construction	No data	No data

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	-
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Snam Rete Gas

PCI or PMI

PCI

PCI/PMI number

10.1.1

EU TYNDP 2022 project code

Project category

Hydrogen transmission

Priority corridor

HI East

Hosting countries

Italy (IT)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.south2corridor.net/>

Internal hydrogen infrastructure in Italy [currently known as Italian H2 Backbone]

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2029

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	4400	0	+0/-0	11.8

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	No data	No data
Construction	Dec-2026	Dec-2034

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) have not decided yet on the intentions for the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) have not decided yet on the intentions to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have not decided yet on intentions to apply for specific incentives.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

GENERAL DATA

Project promoters

Trans Austria Gasleitung GmbH

PCI or PMI

PCI

PCI/PMI number

10.1.2

EU TYNDP 2022 project code

Project category

Hydrogen transmission

Priority corridor

HI East

Hosting countries

Austria (AT)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://h2-readiness-tag.at/> <https://www.south2corridor.net/>

Internal hydrogen infrastructure in Austria - knowns as H2 Readiness of the TAG pipeline system

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is partially included in the relevant NDP(s)

Reason for partial inclusion:

The project was approved as a planning project in the NDP under the current legal framework, but has not yet been approved as an implementation project due to the outstanding implementation of the EU gas package with regard to H2.

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2029

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	479	0	+50/-50	7.6

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jan-2023	May-2023
Permit granting	No data	No data
Construction	Oct-2027	Dec-2029

REGULATORY TREATMENT

Exemption ³	Not applicable/available to the project
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. However, the project promoter(s) plan to submit a CBCA in the future.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have not decided yet on intentions to apply for specific incentives.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

GAS CONNECT AUSTRIA GmbH

PCI or PMI

PCI

PCI/PMI number

10.1.3

EU TYNDP 2022 project code

Project category

Hydrogen transmission

Priority corridor

HI East

Hosting countries

Austria (AT)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.gasconnect.at/en/aktuelles/projekte/h2backbonewag-pw>

Internal hydrogen infrastructure in Austria - known as H2 Backbone WAG and Penta West

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2029

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	921	-	+0/-0	37

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	No data	No data
Construction	Jan-2028	Dec-2029

REGULATORY TREATMENT

Exemption ³	Not applicable/available to the project
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. However, the project promoter(s) plan to submit a CBCA in the future.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have not decided yet on intentions to apply for specific incentives.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Bayernets GmbH

PCI or PMI

PCI

PCI/PMI number

10.1.4

EU TYNDP 2022 project code

Project category

Hydrogen other assets

Priority corridor

HI East

Hosting countries

Germany (DE)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.hypipe-bavaria.com/en/>

Internal hydrogen infrastructure in Germany - currently known as HyPipe Bavaria – The Hydrogen Hub

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2030

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	186.448	-	+0/-0	0.347

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jan-2023	Oct-2024
Permit granting	No data	No data
Construction	Jan-2025	Dec-2030

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) do not plan to apply in the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) have not decided yet on the intentions to submit a CBCA.
Project specific risk-based incentives ⁵	Not applicable/available to the project

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

NET4GAS, s.r.o.

PCI or PMI

PCI

PCI/PMI number

10.2.1

EU TYNDP 2022 project code

Project category

Hydrogen transmission

Priority corridor

HI East

Hosting countries

Czech Republic (CZ)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

www.cghi.eu, www.cehc.eu, www.SunshHyneCorridor.eu, www.SEEHyC.eu, <https://www.net4gas.cz/cz/projekty/vodikove-projekty/ceska-vodikova-paterni-sit-zapad/>

Internal hydrogen infrastructure in Czechia towards Germany

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2029

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	50	-	+25/-25	2

Reasons for changes in cost data during the reporting period:

PCI/PMI MONITORING 2025

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: environmental; STUDY: technical feasibility

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Oct-2024	Oct-2024
Permit granting	May-2025	Aug-2027
Construction	Sep-2028	Dec-2029

REGULATORY TREATMENT

Exemption ³	Not applicable/available to the project
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) have not decided yet on the intentions to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have not decided yet on intentions to apply for specific incentives.

COMMENTS

Entity	Category	Comment
Project Promoter	General aspects; Regulatory Treatment	PCI project 10.2.1 Internal hydrogen infrastructure in Czechia towards Germany has together with the PCI project 10.2.2 Internal hydrogen infrastructure in Germany [currently known as FLOW East – Making Hydrogen Happen] and the PCI project 9.1.6 Internal hydrogen infrastructure in Germany connecting to France [currently known as H2Hercules South] creates the Czech-German Hydrogen Interconnector (CGHI). Both are mutual enhancers.; Other incentives – NET4GAS plans to request an incentive/support for the project in the form of the financial transfer/dedicated charge under the Regulation (EU) 2024/1789 Art.5, point 4.

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

GASCADE Gastransport GmbH, ONTRAS
Gastransport GmbH

PCI or PMI

PCI

PCI/PMI number

10.2.2

EU TYNDP 2022 project code

Project category

Hydrogen transmission

Priority corridor

HI East

Hosting countries

Germany (DE)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.flow-hydrogen.com/>

Internal hydrogen infrastructure in Germany [known as FLOW East - Making Hydrogen Happen]

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2029

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	551	-	+0/-0	24.1

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jul-2024	Oct-2024
Permit granting	No data	No data
Construction	Jan-2028	Dec-2029

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) do not plan to apply in the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) have not decided yet on the intentions to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have not decided yet on intentions to apply for specific incentives.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Hellenic Gas Transmission System
Operator S.A.

PCI or PMI

PCI

PCI/PMI number

10.3.1

EU TYNDP 2022 project code

Project category

Hydrogen transmission

Priority corridor

HI East

Hosting countries

Greece (GR)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.desfa.gr/en/national-natural-gas-system/development-of-the-nngs/european-union-list-of-projects-of-common-interest>

Internal hydrogen infrastructure in Greece towards the Bulgarian border

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is not included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

The latest NDP was prepared before this investment could have been in

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Nov-2029

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	1000	0	+0/-0	10

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	No data	No data
Construction	Aug-2027	Oct-2029

REGULATORY TREATMENT

Exemption ³	Not applicable/available to the project
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. However, the project promoter(s) plan to submit a CBCA in the future.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have not decided yet on intentions to apply for specific incentives.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Eustream, a.s., NET4GAS, s.r.o., LLC Gas
TSO of Ukraine

PCI or PMI

PCI

PCI/PMI number

10.4

EU TYNDP 2022 project code

Project category

Hydrogen transmission

Priority corridor

HI East

Hosting countries

Czech Republic (CZ), Ukraine (UA),
Slovakia (SK)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

www.cghi.euwww.cehc.euwww.seehyC.eu
[https://www.net4gas.cz/cz/projekty/
vodikove-projekty/ceska-vodikova-paterni-
sit-jih/](https://www.net4gas.cz/cz/projekty/vodikove-projekty/ceska-vodikova-paterni-sit-jih/)

Generic corridor aiming to transmit hydrogen from Ukraine to Slovakia, Czechia, Austria and Germany

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

The pipeline in the Czech Republic will be repurposed not newly built.

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2029

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/ downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	120	-	+/-	5

Reasons for changes in cost data during the reporting period:

PCI/PMI MONITORING 2025

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: environmental; STUDY: technical feasibility; STUDY: socio-economic feasibility

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Oct-2024	Oct-2024
Permit granting	Oct-2027	Dec-2028
Construction	Jan-2029	Dec-2029

REGULATORY TREATMENT

Exemption ³	Not applicable/available to the project
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. The project promoter(s) have not decided yet on the intentions to submit a CBCA.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have not decided yet on intentions to apply for specific incentives.

COMMENTS

Entity	Category	Comment
Project Promoter	Regulatory Treatment	CZ: Other incentives – NET4GAS plans to request an incentive/support for the project in the form of the financial transfer/dedicated charge under the Regulation (EU) 2024/1789 Art.5, point 4.

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Nordion Energi AB, Gasgrid vetyverkot Oy

PCI or PMI

PCI

PCI/PMI number

11.1

EU TYNDP 2022 project code

Project category

Hydrogen transmission

Priority corridor

BEMIP Hydrogen

Hosting countries

Sweden (SE), Finland (FI)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://nordichydrogenroute.com/>

Hydrogen interconnector between Sweden and Finland [Nordic Hydrogen Route Bothnian Bay]

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

N/A

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Jun-2030

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	5300	512	+40/-40	100

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	Apr-2026	Dec-2027
Construction	Jun-2028	Dec-2030

REGULATORY TREATMENT

Exemption ³	Not applicable/available to the project
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. However, the project promoter(s) plan to submit a CBCA in the future.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have not decided yet on intentions to apply for specific incentives.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Elering AS, JSC Conexus Baltic Grid,
AB Amber Grid, Operator Gazociągów
Przesyłowych Gaz-System S.A.,
ONTRAS Gastransport GmbH, Gasgrid
vetyverkot Oy

PCI or PMI

PCI

PCI/PMI number

11.2

EU TYNDP 2022 project code

Project category

Hydrogen transmission

Priority corridor

BEMIP Hydrogen

Hosting countries

Finland (FI), Poland (PL), Lithuania (LT),
Latvia (LV), Estonia (EE), Germany (DE)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://sites.google.com/view/nordic-baltic-hydrogencorridor/english?authuser=0>

Hydrogen interconnector between FI, EE, LV, LT, PL and DE [Nordic-Baltic Hydrogen Corridor]

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in some of the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

Germany: The latest NDP was prepared before this investment could have been in

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2033

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	8453.59	-	+40/-40	76.082

Reasons for changes in cost data during the reporting period:

Project is in consideration stage and cost estimates are rather uncertain

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	No data	No data
Construction	Jan-2030	Dec-2033

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) have not decided yet on the intentions for the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. However, the project promoter(s) plan to submit a CBCA in the future.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have not decided yet on intentions to apply for specific incentives.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Gasgrid vetyverkot Oy, Copenhagen
Energy Islands (CEI), Nordion Energi H2
AB

PCI or PMI

PCI

PCI/PMI number

11.3

EU TYNDP 2022 project code

Project category

Hydrogen transmission

Priority corridor

BEMIP Hydrogen

Hosting countries

Sweden (SE), Finland (FI), Germany
(DE), Denmark (DK)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://balticseahydrogencollector.com/>

Hydrogen interconnector between Sweden, Finland and Germany [Baltic Sea Hydrogen Collector]

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

N/A

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2030

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	1480.961	0	+/-	193

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Mar-2025	Aug-2028
Permit granting	Mar-2025	Aug-2028
Construction	Jan-2029	Dec-2030

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) have not decided yet on the intentions for the future.
Cross Border Cost Allocation ⁴	The project promoter(s) did not submit an investment request during the reporting period. However, the project promoter(s) plan to submit a CBCA in the future.
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. However, the project promoter(s) plan to apply for specific incentives in the future.

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Západoslovenská distribučná a.s., EG.D
a.s.

PCI or PMI

PCI

PCI/PMI number

12.1

EU TYNDP 2022 project code

Project category

Smart electricity grid

Priority corridor

Priority Thematic Area Smart electricity
grids

Hosting countries

Czech Republic (CZ), Slovakia (SK)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.acon-smartgrids.cz/en>

ACON (Czech Republic, Slovakia)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is not included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

Czech Republic and Slovakia: Non-TSO investment, and non-TSO investments are normally not included

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under construction	On time	Dec-2025
2023	Under construction	Delayed	Dec-2025
2022	Under construction	On time	Dec-2024
2021	Under construction	On time	Dec-2024
2020	Under construction	On time	Dec-2024
2019	Planned but not yet in permitting	-	Dec-2024

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	135	0	+15/-5	3.46
2023	269.75	0	+15/-5	3.46
2022	269.75	0	+15/-5	2.514
2021	269.75	0	+5/-5	2.164
2020	269.85	0	+5/-5	1.268

Reasons for changes in cost data during the reporting period:

PCI/PMI MONITORING 2025

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Public consultation; Preparation of permitting files, contracts and other documents; Negotiations with landowners and land acquisition; Detailed technical design; Tendering; Preparatory works for construction (e.g. land preparation); Construction; Commissioning

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Oct-2018	Oct-2026
Permit granting	Oct-2019	Dec-2023
Construction	Oct-2018	Dec-2027

REGULATORY TREATMENT

Exemption ³	Not applicable/available to the project
Cross Border Cost Allocation ⁴	Not applicable/available to the project
Project specific risk-based incentives ⁵	Not applicable/available to the project

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Delgaz Grid S.A., C.N.T.E.E.
Transelectrica S.A., Electroenergien
Sistemen Operator EAD (ESO)

PCI or PMI

PCI

PCI/PMI number

12.2

EU TYNDP 2022 project code

Project category

Smart electricity grid

Priority corridor

Priority Thematic Area Smart electricity
grids

Hosting countries

Romania (RO), Bulgaria (BG)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://carmen-smart-grid.eu/en/>

CARMEN (HU, RO)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

In the Romanian NDP, the DSO part is not included, the TSO part is included

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Permitting	On time	Dec-2030
2023	Planned but not yet in permitting	Rescheduled	Dec-2030
2022	Under consideration	-	Dec-2028

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	502.1	0	+5/-5	0
2023	502.1	0	+5/-5	0.696
2022	148.22	0	+5/-5	0.696
2021	-	-	+/-	-

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jan-2023	Jun-2028
Permit granting	No data	Dec-2028
Construction	Jan-2025	Dec-2030

REGULATORY TREATMENT

Exemption ³	Not applicable/available to the project
Cross Border Cost Allocation ⁴	Not applicable/available to the project
Project specific risk-based incentives ⁵	Not applicable/available to the project

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

E.ON Észak-dunántúli Áramhálózati Zrt., Západoslovenská distribučná a.s., Slovenská elektrizačná prenosová sústava a.s. (SEPS), Východoslovenská Distribučná, ELMŰ, ÉMÁSZ

PCI or PMI

PCI

PCI/PMI number

12.3

EU TYNDP 2022 project code

Project category

Smart electricity grid

Priority corridor

Priority Thematic Area Smart electricity grids

Hosting countries

Hungary (HU), Slovakia (SK)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://danubeingrid.eu/>

Danube InGrid (Hungary, Slovakia)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is partially included in some of the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

Hungary: Non-TSO investment, and non-TSO investments are normally not included

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under construction	On time	Dec-2029
2023	Permitting	On time	Dec-2029
2022	Permitting	Rescheduled	Dec-2029
2021	Permitting	On time	Dec-2025
2020	Planned but not yet in permitting	On time	Dec-2025

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	478	-	+15/-5	1.06
2023	478	-	+15/-5	1.38
2022	478	-	+15/-5	1.28
2021	291	-	+5/-5	0.569
2020	291	-	+5/-5	0

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	-	Mar-2027
Permit granting	May-2020	Dec-2029
Construction	Mar-2020	Dec-2029

REGULATORY TREATMENT

Exemption ³	Not applicable/available to the project
Cross Border Cost Allocation ⁴	Not applicable/available to the project
Project specific risk-based incentives ⁵	Not applicable/available to the project

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

EG.D a.s., Bayernwerk Netz GmbH

PCI or PMI

PCI

PCI/PMI number

12.4

EU TYNDP 2022 project code

Project category

Smart electricity grid

Priority corridor

Priority Thematic Area Smart electricity
grids

Hosting countries

Czech Republic (CZ), Germany (DE)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.gabreta-smartgrids.eu/>

Gabreta (CZ, DE)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is not included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

Czech Republic and Slovakia: Non-TSO investment, and non-TSO investments are normally not included

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Permitting	On time	Dec-2030
2023	Permitting	On time	Dec-2030
2022	Permitting	-	Dec-2030

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	677	670	+10/-5	2.902
2023	672.1	670	+10/-5	2.902
2022	672.1	0	+10/-5	2.902
2021	-	-	+/-	-

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Apr-2024	Oct-2029
Permit granting	Jun-2022	Dec-2027
Construction	Apr-2024	Dec-2030

REGULATORY TREATMENT

Exemption ³	Not applicable/available to the project
Cross Border Cost Allocation ⁴	Not applicable/available to the project
Project specific risk-based incentives ⁵	Not applicable/available to the project

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

ELES d.o.o., Hrvatski operator
prijenosnog sustava d.o.o. (HOPS),
Elektro Ljubljana, Elektro Gorenjska,
Elektro Celje, d.d., KNG-Kärnten Netz
GmbH, Hrvatska elektroprivreda d.d.
(HEP), HEP operator distribucijskog
sustava d.o.o.

PCI or PMI

PCI

PCI/PMI number

12.5

EU TYNDP 2022 project code

Project category

Smart electricity grid

Priority corridor

Priority Thematic Area Smart electricity
grids

Hosting countries

Austria (AT), Slovenia (SI), Croatia (HR)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

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Green Switch (AT, HR, SI)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2028
2023	Planned but not yet in permitting	Delayed	Dec-2028
2022	Planned but not yet in permitting	-	Dec-2027

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	207	-	+/-	
2023	207	-	+/-	0
2022	207	0	+/-	0
2021	-	-	+/-	-

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jun-2022	Dec-2022
Permit granting	No data	No data
Construction	Dec-2023	Dec-2028

REGULATORY TREATMENT

Exemption ³	Not applicable/available to the project
Cross Border Cost Allocation ⁴	Not applicable/available to the project
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Air Liquide Polska Sp. z o.o., Holcim
Polska S.A., AB ORLEN Lietuva, ORLEN
S.A.

PCI or PMI

PCI

PCI/PMI number

13.3

EU TYNDP 2022 project code

Project category

Carbon dioxide liquefaction and buffer
storage

Priority corridor

Priority Thematic Area Cross-border
carbon dioxide network

Hosting countries

Poland (PL), Lithuania (LT)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

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ECO2CEE - (previous name "Poland - EU CCS Interconnector")

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

N/A

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Under consideration	Delayed	Jun-2029

Main reason for rescheduling/delay during the reporting period:

Delays related to acquisition of or access to land. The transaction process was underway and commercial negotiations with the land owner were conducted. During the process, disputes arose, leading the partner to cease negotiations and withdraw from the talks by the end of 2023. An additional challenge was the change in the composition of the Partner's management board, which took place at the beginning of 2024. The new representatives of the management board required time to evaluate and revise the planned joint investment plan, as well as assess its alignment with the newly implemented at the beginning of 2024 company's Development Strategy. Despite ORLEN representatives' persistent efforts to renew the discussions, they were resumed only in Q3 2024. As a result of the return to negotiations, another Letter of Intent was signed on 22nd October 2024.

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	0	0	+/-	0

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	No data	No data
Construction	Mar-2027	Mar-2032

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	-
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment
Project promoter	General aspects	Please find the Executive Summary of the 2024 progress attached.

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

ENI S.p.A., Snam S.p.A., ArcelorMittal Méditerranée, Yara Italia SpA, GRTgaz, AIR LIQUIDE FRANCE INDUSTRIE, Enipower SpA, Basell Polyoléfines France SAS, Cabot Italiana SPA , Elengy S.A, Versalis SpA, Marcegaglia Ravenna S.p.A, Lafarge Ciments S.A, Herambiente S.p.A, Les Chaux de la Tour (LHOIST Group) , Polynt S.p.A., Lyondell Chimie France, Petrolneos Manufacturing France SAS, Société du Pipeline Sud Européen (SPSE)

PCI or PMI

PCI

PCI/PMI number

13.5

EU TYNDP 2022 project code

Project category

Carbon dioxide transmission

Priority corridor

Priority Thematic Area Cross-border carbon dioxide network

Hosting countries

Italy (IT), France (FR)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://ravnaccs.com/en-IT/home>

Callisto – Development of multi-modal CO₂ hubs in the Mediterranean

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

N/A

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2029

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	0	0	+/-	0

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	No data	No data
Construction	No data	No data

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	-
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

N.V. Nederlandse Gasunie, Open Grid
Europe GmbH

PCI or PMI

PCI

PCI/PMI number

13.7

EU TYNDP 2022 project code

Project category

Carbon dioxide transmission

Priority corridor

Priority Thematic Area Cross-border
carbon dioxide network

Hosting countries

Germany (DE), Netherlands (NL)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://delta-rhine-corridor.com/enhttps://www.gasunie.nl/en/projects/delta-rhine-corridor>

Delta Rhine Corridor

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

On the German side, there is not yet a national plan for CO₂ infrastructure but connections to neighbouring countries such as the Netherlands are explicitly mentioned in the existing policy documents. On the Länder Level, North Rhine-Westphalia explicitly mentions the DRC in their policy documents relating to CO₂. At European level, Delta Corridor is mentioned as part of the North Sea Basin Task Force Regional Plan.

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	On time	Dec-2032

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	4900	0	+0/-0	

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jan-2025	May-2027
Permit granting	Sep-2027	Dec-2029
Construction	Jan-2030	Dec-2032

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	-
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

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⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

Equinor ASA, Fluxys Belgium SA/NV,
Wintershall Dea AG

PCI or PMI

PCI

PCI/PMI number

13.8

EU TYNDP 2022 project code

Project category

Carbon dioxide transmission

Priority corridor

Priority Thematic Area Cross-border
carbon dioxide network

Hosting countries

Belgium (BE), Germany (DE), Norway
(NO), France (FR)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://www.equinor.com/energy/eu2nsea>

EU2NSEA

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

Differentiation in comparison to 2022 PCI applicationIn the PCI application of 2022, the base case for the Equinor CO₂HE offshore trunkline in EU2NSEA was two branch pipelines from Wilhelmshaven in Germany and Zeebrugge in Belgium merging into one large diameter combined pipeline. Since then, more detailed technical studies have been carried out, including more alternative concepts, such as dedicated pipelines (one from Belgium and one from Germany), reuse of existing pipelines as well as large scale ship transport (100 000 tonne ships).The results of the studies show that the most cost-effective solution for the given transport volumes (20-30 Mtpa from each hub) and timeline were two dedicated pipelines. The cost difference between dedicated pipelines and a combined pipeline was almost negligible, but the technical feasibility of the required diameter for a combined pipeline included a higher technical risk. Reuse of existing pipelines were deemed not feasible given the current timeline and volumes, mainly due to uncertainty related to the risk of running ductile fracture. Only ship transport was less cost-effective for large volumes from dedicated hubs due to high OPEX. Based on discussions between the relevant stakeholders, these two pipelines will be matured as two separate projects under the overarching EU2NSEA PCI umbrella:

- CO₂T Germany: A new large scale CO₂ pipeline from Germany to NCS storage sites, with a base case capacity of up to 30 Mtpa.
- CO₂ Highway from Europe (CO₂HE): A new large scale CO₂ pipeline from Belgium to NCS storage sites, with a base case capacity of up to 27 Mtpa.

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Planned but not yet in permitting	-	Jan-2032

Main reason for rescheduling/delay during the reporting period:

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	26181	0	+0/-0	543

Reasons for changes in cost data during the reporting period:

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting	Jan-2024	Dec-2027
Construction	Sep-2026	Dec-2031

REGULATORY TREATMENT

Exemption ³	-
Cross Border Cost Allocation ⁴	-
Project specific risk-based incentives ⁵	-

COMMENTS

Entity	Category	Comment
Project promoter	Benefits; Implementation	Already included in the EU TYNDP; NO included projects : CO2 Highway Europe (CO2HE) – Offshore pipeline infrastructure (BE-NO, FR-NO) Smeaheia geological CO2 storage site (NO) Luna geological CO2 storage site (NO) CO2T - Offshore transport pipeline (DE-NO) BE Included projects : Zeebrugge CO2 export hub (BE) , Zeebrugge multi-modal CO2 import hub (BE) , Belgian onshore CO2 backbone (BE) DE included projects : CO2nnectNow CO2 transshipment and collection hub (Wilhelmshaven) (DE), WHV CO2 corridor & North Sea CO2 corridor (DE) FR included projects : French onshore CO2 backbone and export hub Dunkirk (FR).

¹ The start and end dates of a certain implementation stage represent actual or planned dates at the time of the reference date. In case of a PCI with several sections/elements, the start date is defined by the earliest section/element and the end date is defined by the last section/element.

² Planning approval is the approval (at the level of national development planning) by the NRA, by the competent Ministry or by other national competent authority, as provisioned in the national law each country.

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⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.

PCI/PMI MONITORING 2025

GENERAL DATA

Project promoters

InterConnect Malta

PCI or PMI

PCI

PCI/PMI number

15.1

EU TYNDP 2022 project code

Project category

Gas transmission

Priority corridor

Gas (Article 24 derogation)

Hosting countries

Malta (MT), Italy (IT)

Reference date

28/11/2024

Reporting period

01 February 2023 - 28 November 2024

PCI website

<https://melitatransgas.com.mt/>

Connection of Malta to the European gas network – pipeline interconnection with Italy at Gela

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for partial inclusion:

N/A

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2025	Permitting	Rescheduled	Sep-2030
2023	Permitting	On time	Sep-2028
2022	Permitting	Delayed	Sep-2028
2021	Permitting	Delayed	Jan-2026
2020	Permitting	Delayed	Jul-2025
2019	Permitting	On time	Sep-2024

Main reason for rescheduling/delay during the reporting period:

Uncertainty in the availability of hydrogen from Italy and the EU hydrogen market development.

COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward/downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2025	438	0	+15/-15	5

Reasons for changes in cost data during the reporting period:

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Apr-2013	Apr-2014
Permit granting	Nov-2017	Nov-2022
Construction	Jan-2028	May-2030

REGULATORY TREATMENT

Exemption ³	The project promoter(s) did not apply for any of the exemptions during the reporting period. The project promoter(s) do not plan to apply in the future.
Cross Border Cost Allocation ⁴	The project promoter(s) submitted an investment request (CBCA).
Project specific risk-based incentives ⁵	The project promoter(s) did not apply for specific risk-based incentives. The project promoter(s) have no intentions to apply in the future.

COMMENTS

Entity	Category	Comment
		AG-TRM-0002

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³ Under Art. 63 of Regulation (EU) 2019/943 or Art. 78 of Regulation (EU) 2024/1789.

⁴ Art 16 of Regulation (EU) 2022/869.

⁵ Art 17 of Regulation (EU) 2022/869.