

France — Ireland interconnection between La Martyre (FR) and Great Island or Knockraha (IE) [currently known as “Celtic Interconnector”]

PCI MONITORING 2023

GENERAL DATA

Project promoters

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

PCI number

1.6

EU TYNDP 2020 project code

107

Project category

Transmission

Priority corridor

NSOG

Hosting countries

Ireland (IE), France (FR)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

www.celticinterconnector.eu

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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:

N/A

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)
2023	1623.00	0.00	+0/-0	8.40
2022	1100.00	0.00	+10/-10	8.40
2021	1000.00	0.00	+10/-10	8.40
2020	930.00	0.00	+15/-12	8.40

Reasons for changes in cost data during the reporting period:

Better cost estimation (incl. increased accuracy, reduction of risk add-ons, or higher cost certainty after finalisation of tender process)

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: environmental; Public consultation; Negotiations with landowners and land acquisition; Detailed technical design; Tendering; Preparatory works for construction (e.g. land preparation); Construction

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jun-2013	Dec-2013
Permit granting ³	Mar-2019	Jun-2022
Construction	Sep-2022	Sep-2026

REGULATORY TREATMENT

Exemption ⁴	The project promoter(s) have not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter(s) submitted an investment request in Sep-2018. The investment request was deemed complete by the NRAs in Nov-2018. The decision was issued in Apr-2019. The NRA’s reaffirmed the CBCA in Nov 2022.
Project specific risk-based incentives ⁶	The project promoter(s) have not submitted such a request

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits (“start date”) until the date when the last permit is obtained (“end date”) pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

One or more hubs in the North Sea with interconnectors to bordering North Sea countries (Denmark, Germany, Netherlands) [currently known as “North Sea Wind Power Hub”]

PCI MONITORING 2023

GENERAL DATA

Project promoters

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

PCI number

1.19

EU TYNDP 2020 project code

335

Project category

Transmission

Priority corridor

NSOG

Hosting countries

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

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

<https://northseawindpowerhub.eu/>

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

The project submission to the TYNDP 2022 has changed from the submission TYNDP 2020. Instead of one 12GW hub, the project now consists of three hubs with interconnectors between the hubs. It is expected that this will impact the overall cost and benefit analysis.

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is neither included nor present in the relevant NDP(s). However, the project is included in the assumptions/scenarios for the grid planning.

Reason for non-inclusion:

Not specified. However, in 2021 the project promoter reported that commissioning date of this project was beyond the time span of the relevant NDPs.

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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
2019	-		-

Main reason for rescheduling/delay during the reporting period:

N/A

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)
2023	11300.00	0.00	+30/-20	40.10
2022	11300.00	0.00	+30/-20	40.10
2021	11300.00	0.00	+30/-20	40.10
2020	11300.00	0.00	+30/-20	40.10

Reasons for changes in cost data during the reporting period:

N/A

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: technical feasibility; STUDY: socio-economic feasibility; Other works or activities
(please specify below)

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting ³	No data	No data
Construction	No data	No data

REGULATORY TREATMENT

Exemption ⁴	The project promoter(s) have not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter(s) have not submitted such a request
Project specific risk-based incentives ⁶	The project promoter(s) have not submitted such a request

NOTES

The Dutch NRA expects the project to be part of the NDP of 2024 or 2026 and it notes that will be the moment to assess 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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits (“start date”) until the date when the last permit is obtained (“end date”) pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Green Hydrogen Hub Compressed Air Storage (DK)

PCI MONITORING 2023

GENERAL DATA

Project promoters

Corre Energy Storage BV

PCI number

1.21

EU TYNDP 2020 project code

1044

Project category

Storage

Priority corridor

NSOG

Hosting countries

Denmark (DK)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

<https://greenhydrogenhub.dk/>

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is neither included nor present in the relevant NDP(s)

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
2023	Planned but not yet in permitting	Rescheduled	Dec-2028
2022	Under consideration	On time	Dec-2026
2021	Under consideration	-	Dec-2026
2020	-	-	-
2019	-	-	-

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. Commissioning date is rescheduled following detailed program alignment of the key components.

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)
2023	343.00	30.00	+15/-10	4.00
2022	336.00	0.00	+15/-15	4.00
2021	336.00	-	+15/-15	4.00
2020	-	-	-	-

Reasons for changes in cost data during the reporting period:

Better cost estimation (incl. increased accuracy, reduction of risk add-ons, or higher cost

certainty after finalisation of tender process)

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	Nov-2022	May-2023
Permit granting ³	Apr-2023	Jul-2025
Construction	Jan-2026	Sep-2028

REGULATORY TREATMENT

Exemption ⁴	Not applicable/available to electricity storage projects
Cross Border Cost Allocation ⁵	Not applicable/available to electricity storage projects
Project specific risk-based incentives ⁶	Not applicable/available to electricity storage projects

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Interconnection between Codrongianos (IT), Lucciana (Corsica, FR) and Suvereto (IT) [currently known as "SACOI 3"]

PCI MONITORING 2023

GENERAL DATA

Project promoters

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

PCI number

2.4

EU TYNDP 2020 project code

299

Project category

Transmission

Priority corridor

NSI-WEST

Hosting countries

Italy (IT), France (FR)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

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

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the Italian NDP (presented as a unique investment). The project is not included in the French NDP, but included in the Corsican Energy Plan.

Reason for non-inclusion:

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
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:

Delay in 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)
2023	1300.00	No data	+10/-10	7.20
2022	900.00	No data	+10/-10	4.60
2021	900.00	No data	+10/-10	7.00
2020	900.00	No data	+10/-10	7.00

Reasons for changes in cost data during the reporting period:

Change in the technical characteristics not related to permit granting

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)

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	Feb-2012
Permit granting ³	Feb-2019	Sep-2023
Construction	Dec-2023	Jun-2027

REGULATORY TREATMENT

Exemption ⁴	The project promoter(s) have not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter(s) have not submitted such a request
Project specific risk-based incentives ⁶	The project promoter(s) have not submitted such a request

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Interconnection between Aquitaine (FR) and the Basque country (ES) [currently known as "Biscay Gulf"]

PCI MONITORING 2023

GENERAL DATA

Project promoters

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

PCI number

2.7

EU TYNDP 2020 project code

16

Project category

Transmission

Priority corridor

NSI-WEST

Hosting countries

Spain (ES), France (FR)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

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

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

Small adjustments on the route length

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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:

HVDC supply chain disruptions: end of the tendering process, a 12 months longer delivery of cables and converter stations was confirmed.

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)
2023	3100.00	No data	No data	11.00
2022	1950.00	No data	No data	10.20
2021	1950.00	No data	No data	10.20
2020	1750.00	No data	No data	10.20

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

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Public consultation; Preparation of permitting files, contracts and other documents;
 Detailed technical design; Tendering

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting ³	Jun-2017	Dec-2023
Construction	Oct-2023	Nov-2028

REGULATORY TREATMENT

Exemption ⁴	The project promoter(s) have not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter(s) submitted an investment request in Mar-2017. The NRA decision was issued in Sep-2019. In March 2023 the NRAs revised the CBCA decision, taking into account the current economic, financial and energy context.
Project specific risk-based incentives ⁶	The project promoter(s) have not submitted such a request

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits (“start date”) until the date when the last permit is obtained (“end date”) pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Internal line between Osterath and Philippsburg (DE) to increase capacity at western borders [currently known as "Ultranet"]

PCI MONITORING 2023

GENERAL DATA

Project promoters

Amprion GmbH, TransnetBW GmbH

PCI number

2.9

EU TYNDP 2020 project code

254

Project category

Transmission

Priority corridor

NSI-WEST

Hosting countries

Germany (DE)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

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

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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:

N/A

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)
2023	1540.00	0.00	+10/-10	12.30
2022	1250.00	No data	+10/-10	10.00
2021	1250.00	No data	+10/-10	10.00
2020	1070.00	No data	+50/-10	8.60

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

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: environmental; STUDY: technical feasibility; Identification of alternative solutions / site identification; 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); Other works or activities (please specify below)

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	May-2012	Jul-2013
Permit granting ³	Apr-2019	Feb-2026
Construction	Sep-2023	Dec-2026

REGULATORY TREATMENT

Exemption ⁴	The project promoter(s) have not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter(s) have not submitted such a request
Project specific risk-based incentives ⁶	The project promoter(s) have not submitted such a request

NOTES

Project promoter notes this project is closely connected to project 132.

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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits (“start date”) until the date when the last permit is obtained (“end date”) pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Internal line between Brunsbüttel/Wilster and Großgartach/
 Bergrheinfeld-West (DE) to increase capacity at northern and southern
 borders [currently known as "Suedlink"]

PCI MONITORING 2023

GENERAL DATA

Project promoters

TenneT TSO GmbH (DE), TransnetBW
 GmbH

PCI number

2.10

EU TYNDP 2020 project code

235

Project category

Transmission

Priority corridor

NSI-WEST

Hosting countries

Germany (DE)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

<http://www.transnetbw.de/de/uebertragungsnetz/dialog-netzbau/sued-link>;
<https://suedlink.com/>; <https://www.tennet.eu/de/de/projekte/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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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:

N/A

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)
2023	10500.00	0.00	+20/-20	84.00
2022	9560.00	0.00	+20/-20	77.00
2021	9560.00	0.00	+20/-20	76.50
2020	6500.00	0.00	+50/-20	52.00

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

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: environmental; STUDY: spatial planning; Identification of alternative solutions / site identification; 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); Other works or activities (please specify below)

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	May-2012	Jul-2013
Permit granting ³	Feb-2020	Jun-2025
Construction	31/06/2023	Dec-2028

REGULATORY TREATMENT

Exemption ⁴	The project promoter(s) have not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter(s) have not submitted such a request
Project specific risk-based incentives ⁶	The project promoter(s) have not submitted such a request

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Interconnection between Thusis/Sils (CH) and Verderio Inferiore (IT) [currently known as 'Greenconnector']

PCI MONITORING 2023

GENERAL DATA

Project promoters

Greenconnector AG, Greenconnector Srl,
Worldenergy SA

PCI number

2.14

EU TYNDP 2020 project code

174

Project category

Transmission

Priority corridor

NSI-WEST

Hosting countries

Italy (IT), Switzerland (CH)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

www.greenconnector.it

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

Small adjustments on the route length

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the Italian NDP. The project is not included in the Swiss NDP because the third party access exemption is required for a private line to be included in the NDP.

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2023	Permitting	Delayed	Mar-2029
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:

PERMITTING - Delays due to other permit granting reasons

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)
2023	660.00	20.00	+20/-5	2.00
2022	660.00	20.00	+15/-10	2.00
2021	660.00	20.00	+15/-10	2.00
2020	660.00	20.00	+15/-10	2.00

Reasons for changes in cost data during the reporting period:

N/A

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Detailed technical design

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jan-2005	Aug-2014
Permit granting ³	Jan-2005	Aug-2014 (IT side)
Construction	Jan-2026	Dec-2028

REGULATORY TREATMENT

Exemption ⁴	The project promoter(s) have not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter(s) have not submitted such a request
Project specific risk-based incentives ⁶	The project promoter(s) have not submitted such a request

NOTES

On the Italian side, the project is fully 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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Internal line between Pedralva and Sobrado (PT), formerly designated Pedralva and Alfena (PT)

PCI MONITORING 2023

GENERAL DATA

Project promoters

Rede Eléctrica Nacional S.A. (REN)

PCI number

2.16.1

EU TYNDP 2020 project code

1 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

NSI-WEST

Hosting countries

Portugal (PT)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

https://www.ren.pt/en-GB/o_que_fazemos/projects_of_common_interest

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2023	Planned but not yet in permitting	On time	Dec-2029
2022	Planned but not yet in permitting	On time	Dec-2029
2021	Planned but not yet in permitting	Rescheduled	Dec-2029
2020	Planned but not yet in permitting	Rescheduled	Dec-2024
2019	Planned but not yet in permitting		Nov-2023

Main reason for rescheduling/delay during the reporting period:

N/A

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)
2023	29.10	No data	+10/-10	0.07
2022	30.40	No data	+10/-10	0.07
2021	30.40	No data	+10/-10	0.07
2020	30.40	No data	+10/-10	0.07

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

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

No works or activities were performed over the the indicated 12-month period

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jul-2008	No data
Permit granting ³	Jun-2024	Dec-2027
Construction	Jul-2028	Nov-2029

REGULATORY TREATMENT

Exemption ⁴	The project promoter has not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter has not submitted such a request
Project specific risk-based incentives ⁶	The project promoter has not submitted such a request

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Internal line between Vieira do Minho, Ribeira de Pena and Feira (PT), formerly designated Frades B, Ribeira de Pena and Feira (PT)

PCI MONITORING 2023

GENERAL DATA

Project promoters

Rede Eléctrica Nacional S.A. (REN)

PCI number

2.16.3

EU TYNDP 2020 project code

1 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

NSI-WEST

Hosting countries

Portugal (PT)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

[http://www.ren.pt/en-GB/o_que_fazemos/
projetos_interesse_2017/#](http://www.ren.pt/en-GB/o_que_fazemos/projetos_interesse_2017/#)

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2023	Under construction	Delayed	Dec-2023
2022	Under construction	Delayed	Dec-2022
2021	Permitting	Ahead of schedule	Dec-2021
2020	Permitting	Delayed	Feb-2022
2019	Permitting		Jun-2021

Main reason for rescheduling/delay during the reporting period:

Delays due to lawsuits and court proceedings: due to public opposition with legal actions from a local Municipality, works have been suspended in Jan-2023. Currently the works are expected to resume as soon as legally possible, but the public opposition may cause unpredictable delays on the project.

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)
2023	77.59	No data	+10/-10	0.21
2022	80.70	0.00	+10/-10	0.21
2021	78.94	0.00	+10/-10	0.21
2020	76.40	0.00	+10/-10	0.21

Reasons for changes in cost data during the reporting period:

Better cost estimation (incl. increased accuracy, reduction of risk add-ons, or higher cost certainty after finalisation of tender process)

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Construction

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jul-2008	Feb-2019
Permit granting ³	Jun-2018	Apr-2021
Construction	Jan-2020	Dec-2022

REGULATORY TREATMENT

Exemption ⁴	The project promoter has not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter submitted an investment request to the NRA in Jan-2019.
Project specific risk-based incentives ⁶	The project promoter has not submitted such a request

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Portugal-Spain interconnection between Beariz-Fontefr a(ES),
Fontefr a(ES)-Ponte de Lima(PT) and Ponte de Lima-Vila Nova de Famalic o
PT), incl. substations in Beariz, Fontefr a and Ponte de Lima
PCI MONITORING 2023

GENERAL DATA

Project promoters

Rede El trica Nacional S.A. (REN), Red
El trica de Espa a S.A. (REE)

PCI number

2.17

EU TYNDP 2020 project code

4

Project category

Transmission

Priority corridor

NSI-WEST

Hosting countries

Portugal (PT), Spain (ES)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

https://www.ren.pt/en-GB/o_que_fazemos/projects_of_common_interest; <https://www.ree.es/en/activities/electrical-planning/projects-of-common-interest>

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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 environmental problems and other permit granting reasons (not specified)

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)
2023	110.97	No data	+10/-10	1.00
2022	113.44	0.00	+10/-10	1.09
2021	113.44	0.00	+10/-10	1.09
2020	111.94	0.00	+10/-10	1.09

Reasons for changes in cost data during the reporting period:

Better cost estimation (incl. increased accuracy, reduction of risk add-ons, or higher cost certainty after finalisation of tender process)

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Detailed technical design

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	May-2008	Feb-2019
Permit granting ³	Jun-2013	Apr-2023
Construction	Oct-2019	Jun-2024

REGULATORY TREATMENT

Exemption ⁴	The project promoter(s) have not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter(s) have not submitted such a request
Project specific risk-based incentives ⁶	The project promoter(s) have not submitted such a request

NOTES

The project promoter indicated that section “Vila Nova Famalicão-Ponte de Lima” commissioned in July 2021.

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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits (“start date”) until the date when the last permit is obtained (“end date”) pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

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

PCI MONITORING 2023

GENERAL DATA

Project promoters

TIWAG-Tiroler Wasserkraft AG

PCI number

2.18

EU TYNDP 2020 project code

1001

Project category

Storage

Priority corridor

NSI-WEST

Hosting countries

Austria (AT)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

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

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

Following the request by the European Commission, the PCI-relevant part of the project is now focused on the pumped hydro power module, meaning the some part of the initial PCI project (substations Prutz 2, Imst 2 and Extension Haming) will not be part of the submission for the next PCI list, although their implementation will be carried out.

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is neither included nor present in the relevant NDP(s), but considered within the NDP studies and/or taken into account as a network connection project by a TSO

Reason for non-inclusion:

The project is a storage project, and storage projects are normally not included in the Austrian NDP. It is mentioned as a non-TSO project in the NDP.

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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:

N/A

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)
2023	966.60	276.00	+6/-1	10.40
2022	1576.30	671.40	+6/-1	13.80
2021	1541.30	547.60	+6/-1	12.80
2020	1511.00	597.90	+6/-1	12.89

Reasons for changes in cost data during the reporting period:

By request of the European Commission the PCI relevant part of the project was focused on the pumped hydro storage module as described in the project description.

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 ³	Jul-2012	Feb-2027
Construction	Sep-2027	Dec-2032

REGULATORY TREATMENT

Exemption ⁴	Not applicable/available to electricity storage projects
Cross Border Cost Allocation ⁵	Not applicable/available to electricity storage projects
Project specific risk-based incentives ⁶	Not applicable/available to electricity storage projects

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Internal lines at the Belgian north border between Zandvliet and Lillo-Liefkenshoek (BE), and between Liefkenshoek and Mercator, including a substation in Lillo (BE) [currently known as 'BRABO II + III']

PCI MONITORING 2023

GENERAL DATA

Project promoters

Elia Transmission Belgium

PCI number

2.23

EU TYNDP 2020 project code

297

Project category

Transmission

Priority corridor

NSI-WEST

Hosting countries

Belgium (BE)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

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

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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:

PERMITTING - Delays due to other permit granting reasons: appeal against the project

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)
2023	253.28	0.00	0.00	0.40
2022	248.93	0.00	0.00	0.28
2021	211.59	0.00	+5/-0	0.33
2020	190.09	0.00	+5/-0	0.33

Reasons for changes in cost data during the reporting period:

Better cost estimation (incl. increased accuracy, reduction of risk add-ons, or higher cost certainty after finalisation of tender process)

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

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

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	Sep-2011
Permit granting ³	Jan-2017	Oct-2017
Construction	Sep-2017	Dec-2025

REGULATORY TREATMENT

Exemption ⁴	The project promoter has not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter has not submitted such a request
Project specific risk-based incentives ⁶	The project promoter has not submitted such a request

NOTES

Investment item BRABO II: Zandvliet-Lillo-Liefkenshoek and investment item 380kV substation Lillo, including a 380/150 kV transformer commissioned in Dec-2020; Investment item BRABO III: Liefkenshoek-Mercator is in permitting (expected commissioning date: Dec-2026)

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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Interconnection between Aragón (ES) and Atlantic Pyrenees (FR) [currently known as “Pyrenean crossing 2”]

PCI MONITORING 2023

GENERAL DATA

Project promoters

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

PCI number

2.27.1

EU TYNDP 2020 project code

270

Project category

Transmission

Priority corridor

NSI-WEST

Hosting countries

Spain (ES), France (FR)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

[No PCI website yet](#)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the NDP of Spain. The project is present as an “under consideration project” in the NDP of France.

Reason for non-inclusion:

-

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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:

N/A

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)
2023	1221.00	No data		6.03
2022	1170.00	No data	No data	6.03
2021	1170.00	No data	No data	6.03
2020	1170.00	No data	No data	6.03

Reasons for changes in cost data during the reporting period:

For 400kV double circuit AC line between Ejea and Aragon region, the previous data was

erroneous. For the new axis Aragon region-Marsillon, the costs changed due to changes in the actual / expected prices of raw material and/or equipment used for the investment. For new 400 kV Ejea de los Caballeros and Aragon substations and connections, change of the costs is due to change in the technical characteristics not related to permit granting.

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: environmental; STUDY: technical feasibility; STUDY: socio-economic feasibility; Identification of alternative solutions / site identification; Other works or activities (please specify below)

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting ³	Jun-2023	Dec-2026
Construction	Jul-2026	Dec-2029

REGULATORY TREATMENT

Exemption ⁴	The project promoter(s) have not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter(s) have not submitted such a request
Project specific risk-based incentives ⁶	The project promoter(s) have not submitted such a request

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Interconnection between Navarra (ES) and Landes (FR) [currently known as “Pyrenean crossing 1”]

PCI MONITORING 2023

GENERAL DATA

Project promoters

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

PCI number

2.27.2

EU TYNDP 2020 project code

276

Project category

Transmission

Priority corridor

NSI-WEST

Hosting countries

Spain (ES), France (FR)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

[No PCI website yet](#)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the NDP of Spain. The project is present as an “under consideration project” in the NDP of France.

Reason for non-inclusion:

-

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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:

N/A

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)
2023	1554.00	No data		9.50
2022	1470.00	No data	No data	9.50
2021	1470.00	No data	No data	9.50
2020	1470.00	No data	No data	9.50

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

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: environmental; STUDY: technical feasibility; STUDY: socio-economic feasibility;
 Identification of alternative solutions / site identification; Other works or activities (please
 specify below)

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting ³	Jun-2023	Dec-2026
Construction	Jul-2026	Jun-2030

REGULATORY TREATMENT

Exemption ⁴	The project promoter(s) have not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter(s) have not submitted such a request
Project specific risk-based incentives ⁶	The project promoter(s) have not submitted such a request

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Hydro-pumped electricity storage Navaleo (ES)

PCI MONITORING 2023

GENERAL DATA

Project promoters

CDR TREMOR S.L.

PCI number

2.28.2

EU TYNDP 2020 project code

1012

Project category

Storage

Priority corridor

NSI-WEST

Hosting countries

Spain (ES)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

<https://cdrnavales.eu>

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is neither included nor present in the relevant NDP(s), but considered within the NDP studies and/or taken into account as a network connection project by a TSO.

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
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:

N/A

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)
2023	340.00	No data	+15/-15	4.21
2022	340.00	No data	+15/-15	4.21
2021	340.00	No data	+15/-15	4.21
2020	304.00	No data	No data	4.21

Reasons for changes in cost data during the reporting period:

N/A

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; Other works or activities (please specify below)

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Dec-2014	Oct-2015
Permit granting ³	May-2011	Jun-2021
Construction	Sep-2023	Nov-2026

REGULATORY TREATMENT

Exemption ⁴	Not applicable/available to electricity storage projects
Cross Border Cost Allocation ⁵	Not applicable/available to electricity storage projects
Project specific risk-based incentives ⁶	Not applicable/available to electricity storage projects

NOTES

The project promoter notes the construction period dates have been adjusted following the update of the dates for the completion of the detailed engineering design.

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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Purifying – Pumped Hydroelectric Energy Storage Velilla del Río Carrión (ES)

PCI MONITORING 2023

GENERAL DATA

Project promoters

C.D.R. Carrión S.L.

PCI number

2.28.5

EU TYNDP 2020 project code

1041

Project category

Storage

Priority corridor

NSI-WEST

Hosting countries

Spain (ES)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

<https://cdrelilla.eu/>

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is neither included nor present in the relevant NDP(s), but considered within the NDP studies and/or taken into account as a network connection project by a TSO.

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 (substation Velilla 400 kV) included in the Spanish NDP.

STATUS AND PROGRESS OF THE PROJECT

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

Main reason for rescheduling/delay during the reporting period:

N/A

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)
2023	99.00	No data	+15/-15	2.00
2022	99.00	0.00	+15/-15	2.00
2021	84.00	-	+15/-15	2.00
2020	-	-	-	-

Reasons for changes in cost data during the reporting period:

N/A

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; Other works or activities (please specify below)

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Dec-2014	Jun-2015
Permit granting ³	Jul-2015	No data
Construction	Jan-2024	Oct-2027

REGULATORY TREATMENT

Exemption ⁴	Not applicable / available to the project
Cross Border Cost Allocation ⁵	Not applicable/available to electricity storage projects
Project specific risk-based incentives ⁶	Not applicable/available to electricity storage projects

NOTES

The Spanish NRA notes it approved in Mar-2023 the report about the proposed DGPEM resolution granting CDR CARRION S.L. preliminary administrative authorization for the pumped-storage hydro plant Velilla.

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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits (“start date”) until the date when the last permit is obtained (“end date”) pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Silvermines Hydroelectric Power Station (IE)

PCI MONITORING 2023

GENERAL DATA

Project promoters

Siga Hydro Limited

PCI number

2.29

EU TYNDP 2020 project code

1025

Project category

Storage

Priority corridor

NSI-WEST

Hosting countries

Ireland (IE)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

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

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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
2019	-	-	-

Main reason for rescheduling/delay during the reporting period:

N/A

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)
2023	617.00	No data	No data	14.20
2022	617.00	No data	No data	14.20
2021	617.00	No data	No data	14.20
2020	617.00	No data	No data	14.20

Reasons for changes in cost data during the reporting period:

N/A

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: environmental; STUDY: spatial planning; STUDY: technical feasibility; STUDY: socio-economic feasibility; Negotiations with landowners and land acquisition; Other works or activities (please specify below)

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jan-2023	Dec-2026
Permit granting ³	Jun-2023	Dec-2025
Construction	Oct-2026	Dec-2029

REGULATORY TREATMENT

Exemption ⁴	Not applicable/available to electricity storage projects
Cross Border Cost Allocation ⁵	Not applicable/available to electricity storage projects
Project specific risk-based incentives ⁶	Not applicable/available to electricity storage projects

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Hydro Pump Storage Riedl (DE)

PCI MONITORING 2023

GENERAL DATA

Project promoters

Donaukraftwerk Jochenstein AG

PCI number

2.30

EU TYNDP 2020 project code

1026

Project category

Storage

Priority corridor

NSI-WEST

Hosting countries

Germany (DE)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

<https://www.energiespeicher-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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2023	Permitting	Delayed	Mar-2030
2022	Permitting	Delayed	Mar-2029
2021	Permitting	Delayed	Jul-2028
2020	Permitting	Delayed	Jan-2026
2019	-		-

Main reason for rescheduling/delay during the reporting period:

PERMITTING - Delays due to environmental problems: Check by the authorities of the additionally requested and submitted expertise and documents

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)
2023	400.00	0.00	+10/-10	2.97
2022	386.00	0.00	+5/-5	2.97
2021	386.00	0.00	+5/-5	2.97
2020	386.00	No data	+5/-5	2.97

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

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Preparation of permitting files, contracts and other documents

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Dec-2016	Feb-2022
Permit granting ³	Oct-2012	Dec-2024
Construction	Oct-2025	Jan-2030

REGULATORY TREATMENT

Exemption ⁴	Not applicable/available to electricity storage projects
Cross Border Cost Allocation ⁵	Not applicable/available to electricity storage projects
Project specific risk-based incentives ⁶	Not applicable/available to electricity storage projects

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Internal line between Emden-East to Osterath to increase capacity from Northern Germany to the Rhineland

PCI MONITORING 2023

GENERAL DATA

Project promoters

Amprion GmbH

PCI number

2.31.1

EU TYNDP 2020 project code

132

Project category

Transmission

Priority corridor

NSI-WEST

Hosting countries

Germany (DE)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

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

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2023	Permitting	On time	Jul-2027
2022	Permitting	Rescheduled	Jul-2027
2021	Permitting	-	Dec-2025
2020	-	-	-
2019	-	-	-

Main reason for rescheduling/delay during the reporting period:

N/A

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)
2023	2860.00	No data	+10/-10	23.00
2022	2860.00	0.00	+10/-10	23.00
2021	2300.00	-	+10/-10	18.40
2020	-	-	-	-

Reasons for changes in cost data during the reporting period:

N/A

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Identification of alternative solutions / site identification; 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	Nov-2012	Jul-2013
Permit granting ³	Oct-2021	Jan-2025
Construction	May-2024	Jul-2027

REGULATORY TREATMENT

Exemption ⁴	The project promoter(s) have not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter(s) have not submitted such a request
Project specific risk-based incentives ⁶	The project promoter(s) have not submitted such a request

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

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

PCI MONITORING 2023

GENERAL DATA

Project promoters

Amprion GmbH

PCI number

2.31.2

EU TYNDP 2020 project code

1034 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

NSI-WEST

Hosting countries

Germany (DE)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

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

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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
2020	-	-	-
2019	-	-	-

Main reason for rescheduling/delay during the reporting period:

N/A

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)
2023	4061.00	No data	+10/-10	33.00
2022	2936.00	0.00	+10/-10	24.00
2021	2646.00	-	+10/-10	21.20
2020	-	-	-	-

Reasons for changes in cost data during the reporting period:

Unfortunately in the previous monitoring, the cost data between PCIs 2.31.2 and 2.31.3 did get mixed up. This leads to the significant change in numbers compared to last year.

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

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

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Dec-2019	Mar-2021
Permit granting ³	Oct-2025	Dec-2028
Construction	Dec-2028	Sep-2032

REGULATORY TREATMENT

Exemption ⁴	The project promoter(s) have not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter(s) have not submitted such a request
Project specific risk-based incentives ⁶	The project promoter(s) have not submitted such a request

NOTES

The project promoter notes that although the project is not yet in permitting, several activities related to permitting have already been started and to some extent completed.

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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits (“start date”) until the date when the last permit is obtained (“end date”) pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Internal lines between Wilhelmshaven to Uentrop to increase capacity from Northern Germany to the Ruhr-Area

PCI MONITORING 2023

GENERAL DATA

Project promoters

Amprion GmbH

PCI number

2.31.3

EU TYNDP 2020 project code

1034 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

NSI-WEST

Hosting countries

Germany (DE)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

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

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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
2020	-	-	-
2019	-	-	-

Main reason for rescheduling/delay during the reporting period:

N/A

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)
2023	2995.00	No data	+10/-10	24.00
2022	4061.00	0.00	+10/-10	33.00
2021	1735.00	-	+10/-10	13.90
2020	-	-	-	-

Reasons for changes in cost data during the reporting period:

Unfortunately in the previous monitoring, the cost data between PCIs 2.31.2 and 2.31.3 did get mixed up. This leads to the significant change in numbers compared to last year.

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

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

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Dec-2019	Mar-2021
Permit granting ³	Oct-2025	Dec-2028
Construction	Dec-2028	Sep-2032

REGULATORY TREATMENT

Exemption ⁴	The project promoter(s) have not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter(s) have not submitted such a request
Project specific risk-based incentives ⁶	The project promoter(s) have not submitted such a request

NOTES

The project promoter notes that although the project is not yet in permitting, several activities related to permitting have already been started and to some extent completed.

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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits (“start date”) until the date when the last permit is obtained (“end date”) pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Interconnection between Lonny (FR) and Gramme (BE)

PCI MONITORING 2023

GENERAL DATA

Project promoters

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

PCI number

2.32

EU TYNDP 2020 project code

280

Project category

Transmission

Priority corridor

NSI-WEST

Hosting countries

France (FR), Belgium (BE)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

[No PCI website yet, but it is under construction](#)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

The initial project scope assumed app. 70km of HTLS conductor upgrade of existing circuit, resulting in 100km of total project length (on a total corridor length of 110 km). Recent study work shows that also the existing 2 grounding wires over the entire length of the current corridor need to be replaced with a new grounding wire due to asset aging and an optical grounding wire for communication purposes. This implies an increase of the total project length by 10 km.

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

In Belgium: included in the NDP; in France: present in the NDP as an “under consideration” investment

Reason for non-inclusion:

-

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2023	Under consideration	On time	Dec-2030
2022	Under consideration	On time	Dec-2030
2021	Under consideration	-	Dec-2030
2020	-	-	-
2019	-	-	-

Main reason for rescheduling/delay during the reporting period:

N/A

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)
2023	121.06	No data	+20/-20	0.10
2022	105.00	0.00	+20/-20	0.10
2021	90.00	-	+25/-25	0.10
2020	-	-	-	-

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

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

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

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Sep-2022	Jun-2023
Permit granting ³	Jan-2024	Jul-2026
Construction	Jan-2027	Jul-2030

REGULATORY TREATMENT

Exemption ⁴	Not applicable / available to the project
Cross Border Cost Allocation ⁵	Not applicable / available to the project
Project specific risk-based incentives ⁶	Not applicable / available to the project

NOTES

The project status was reclassified by ACER based on its rules for the setting of status and following the NRA's explanation that the project has two phases and one is planned (with the expected commissioning date 2025) while the other still under consideration (with the expected commissioning date between 2030 and 2032).

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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Interconnection between Sicily (IT and Tunisia node (TU) [currently known as "ELMED"] (No. 3.27 on the fourth PCI list)

PCI MONITORING 2023

GENERAL DATA

Project promoters

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

PCI number

2.33

EU TYNDP 2020 project code

29

Project category

Transmission

Priority corridor

NSI-WEST

Hosting countries

Italy (IT), Tunisia (TN)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

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

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

Update of landing point in IT as a result of public consultation

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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:

Changes in the estimated investment costs

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)
2023	850.00	No data	No data	2.98
2022	600.00	No data	No data	1.50
2021	600.00	No data	No data	3.00
2020	600.00	No data	No data	3.00

Reasons for changes in cost data during the reporting period:

Change in the technical characteristics not related to permit granting

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; Detailed technical design

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Dec-2016	Feb-2020
Permit granting ³	Apr-2022	Nov-2023
Construction	Feb-2024	Feb-2028

REGULATORY TREATMENT

Exemption ⁴	The project promoter(s) have not submitted such a request
Cross Border Cost Allocation ⁵	The project promoters submitted an investment request in April 2020. The CBCA decision was issued in May 2020.
Project specific risk-based incentives ⁶	The project promoter(s) have not submitted such a request

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Interconnection between St. Peter (AT) and Isar (DE)

PCI MONITORING 2023

GENERAL DATA

Project promoters

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

PCI number

3.1.1

EU TYNDP 2020 project code

313

Project category

Transmission

Priority corridor

NSI-EAST

Hosting countries

Germany (DE), Austria (AT)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

<https://www.tennet.eu/de/unser-netz/onshore-projekte-deutschland/niederbayern/>

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

Investment Pirach-Tann has been excluded from the St. Peter-Isar project (St. Peter-Pleinting has been applied as a separate candidate project for the next PCI list)

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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:

N/A

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)
2023	620.00	0.00	+20/-10	4.96
2022	523.00	0.00	+20/-10	3.00
2021	523.00	0.00	+20/-10	3.00
2020	375.00	0.00	+10/-10	9.28

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

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

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

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	Mar-2021
Permit granting ³	Nov-2013	May-2024
Construction	Jan-2023	Nov-2026

REGULATORY TREATMENT

Exemption ⁴	The project promoter(s) have not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter(s) have not submitted such a request
Project specific risk-based incentives ⁶	The project promoter(s) have not submitted such a request

NOTES

The Austrian NRA explains the permitting on the Austrian side is finished and the delay is caused on the German side.

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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Internal line between St. Peter and Tauern (AT)

PCI MONITORING 2023

GENERAL DATA

Project promoters

Austrian Power Grid AG (APG)

PCI number

3.1.2

EU TYNDP 2020 project code

312

Project category

Transmission

Priority corridor

NSI-EAST

Hosting countries

Austria (AT)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

<https://www.apg.at/de/projekte/380-kv-salzburgleitung>

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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:

N/A

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)
2023	899.00	No data	+10/-10	4.00
2022	899.00	No data	+10/-10	4.00
2021	899.00	No data	+10/-10	4.00
2020	890.00	No data	+10/-10	4.00

Reasons for changes in cost data during the reporting period:

N/A

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Construction

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Dec-2011	Dec-2011
Permit granting ³	Sep-2012	Feb-2019
Construction	Sep-2019	Dec-2026

REGULATORY TREATMENT

Exemption ⁴	The project promoter has not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter has not submitted such a request
Project specific risk-based incentives ⁶	The project promoter has not submitted such a request

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Internal line between Westtirol and Zell-Ziller (AT)

PCI MONITORING 2023

GENERAL DATA

Project promoters

Austrian Power Grid AG (APG)

PCI number

3.1.4

EU TYNDP 2020 project code

1054

Project category

Transmission

Priority corridor

NSI-EAST

Hosting countries

Austria (AT)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

[https://www.apg.at/de/Stromnetz/
Netzentwicklung](https://www.apg.at/de/Stromnetz/Netzentwicklung)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

concretization of substations

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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:

N/A

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)
2023	54.00	No data	+10/-10	0.16
2022	45.00	No data	+10/-10	1.00
2021	45.00	No data	+10/-10	1.00
2020	125.00	No data	+10/-10	1.00

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

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: technical feasibility

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	Dec-2014
Permit granting ³	Jan-2025	Dec-2025
Construction	Jan-2029	Dec-2029

REGULATORY TREATMENT

Exemption ⁴	The project promoter has not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter has not submitted such a request
Project specific risk-based incentives ⁶	The project promoter has not submitted such a request

NOTES

The project promoter indicated that the project is in consideration stage, therefore the implementation plan and cost estimates are rather uncertain.

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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Interconnection between Hadera (IL) and Kofinou (CY)

PCI MONITORING 2023

GENERAL DATA

Project promoters

EuroAsia Interconnector Ltd

PCI number

3.10.1

EU TYNDP 2020 project code

219 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

NSI-EAST

Hosting countries

Israel (IL), Cyprus (CY)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

<http://www.euroasia-interconnector.com/>

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

Small adjustments on the route length

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the Cypriot NDP. The project is not included in the Israeli NDP which is not subject to EU law.

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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

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)
2023	790.00	No data	+10/-10	7.90
2022	790.00	No data	+10/-10	7.90
2021	790.00	No data	+10/-10	7.90
2020	No data	No data	+10/-10	No data

Reasons for changes in cost data during the reporting period:

N/A

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; Tendering

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting ³	Jul-2017	Dec-2021
Construction	Sep-2023	Dec-2026

REGULATORY TREATMENT

Exemption ⁴	The project promoter(s) have not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter submitted a folder related to the investment request in July 2016. However, this was not considered by the NRAs as a valid investment request.
Project specific risk-based incentives ⁶	The project promoter(s) have not submitted such a request

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

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

PCI MONITORING 2023

GENERAL DATA

Project promoters

EuroAsia Interconnector Ltd

PCI number

3.10.2

EU TYNDP 2020 project code

219 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

NSI-EAST

Hosting countries

Cyprus (CY), Greece (GR)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

<http://www.euroasia-interconnector.com/>

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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

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)
2023	1575.00	No data	+5/-5	15.60
2022	1575.00	No data	+5/-5	15.60
2021	1575.00	No data	+10/-10	15.60
2020	No data	No data	+10/-10	No data

Reasons for changes in cost data during the reporting period:

N/A

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; Tendering

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	Jul-2017
Permit granting ³	Jul-2017	Dec-2021
Construction	Sep-2023	Dec-2026

REGULATORY TREATMENT

Exemption ⁴	The project promoter(s) have not submitted such a request
Cross Border Cost Allocation ⁵	The NRAs issued a CBCA decision in Oct-2017. The CBCA decision has been revised by the NRAs in Apr-2021.
Project specific risk-based incentives ⁶	The project promoter(s) have not submitted such a request

NOTES

The Cypriot NRA notes the project promoter has not submitted a formal extension request to the involved NRA for the commissioning date.

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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Internal line between Vernerov and Vitkov (CZ)

PCI MONITORING 2023

GENERAL DATA

Project promoters

ČEPS a.s.

PCI number

3.11.1

EU TYNDP 2020 project code

200 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

NSI-EAST

Hosting countries

Czech Republic (CZ)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

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

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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:

N/A

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)
2023	214.99	No data	+15/-10	0.13
2022	167.38	0.00	+15/-10	0.13
2021	121.53	0.00	+15/-10	0.13
2020	120.38	No data	+15/-10	0.13

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

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Negotiations with landowners and land acquisition; Tendering

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	May-2012	Dec-2012
Permit granting ³	Feb-2016	Nov-2021
Construction	Feb-2023	Jun-2024

REGULATORY TREATMENT

Exemption ⁴	The project promoter has not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter has not submitted such a request
Project specific risk-based incentives ⁶	The project promoter has not submitted such a request

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Internal line between Vitkov and Prestice (CZ)

PCI MONITORING 2023

GENERAL DATA

Project promoters

ČEPS a.s.

PCI number

3.11.2

EU TYNDP 2020 project code

200 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

NSI-EAST

Hosting countries

Czech Republic (CZ)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

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

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

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

Main reason for rescheduling/delay during the reporting period:

N/A

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)
2023	115.25	No data	+15/-10	0.01
2022	115.25	No data	+15/-10	0.01
2021	108.97	No data	+15/-10	0.01
2020	109.03	No data	+15/-10	0.01

Reasons for changes in cost data during the reporting period:

N/A

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Commissioning

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	May-2012	Dec-2012
Permit granting ³	Feb-2016	Dec-2017
Construction	Mar-2019	Sep-2020

REGULATORY TREATMENT

Exemption ⁴	The project promoter has not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter has not submitted such a request
Project specific risk-based incentives ⁶	The project promoter has not submitted such a request

NOTES

The line was already commissioned and is in operation since Sep 2020.

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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Internal line between Prestice and Kocin (CZ)

PCI MONITORING 2023

GENERAL DATA

Project promoters

ČEPS a.s.

PCI number

3.11.3

EU TYNDP 2020 project code

35 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

NSI-EAST

Hosting countries

Czech Republic (CZ)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

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

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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:

N/A

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)
2023	482.36	No data	+15/-10	0.07
2022	347.62	0.00	+15/-10	0.07
2021	327.69	0.00	+15/-10	0.07
2020	315.68	No data	+15/-10	0.07

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

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

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	May-2012	Dec-2012
Permit granting ³	Jul-2016	May-2023
Construction	Feb-2022	Nov-2028

REGULATORY TREATMENT

Exemption ⁴	The project promoter has not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter has not submitted such a request
Project specific risk-based incentives ⁶	The project promoter has not submitted such a request

NOTES

The project promoter indicated that a combined zonal construction permit for the overhead line 400 kV Prestice - Kocin was granted on 7 Nov 2022. The permit has not entered into force yet because of received objections. Substation 420 kV Kocin is under construction.

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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Internal line between Kocin and Mirovka (CZ)

PCI MONITORING 2023

GENERAL DATA

Project promoters

ČEPS a.s.

PCI number

3.11.4

EU TYNDP 2020 project code

200 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

NSI-EAST

Hosting countries

Czech Republic (CZ)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

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

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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:

PERMITTING - Delays due to other permit granting reasons: In Feb-2022, the Ministry of Regional Development (MRD) granted the zonal permit decision for the overhead line 400 kV Kocin - Mirovka which has not entered into force because of the objections received. These objections are being resolved by the MRD.

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)
2023	270.03	No data	+15/-10	0.01
2022	149.77	No data	+15/-10	0.01
2021	143.16	No data	+15/-10	0.01
2020	145.03	No data	+15/-10	0.01

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

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

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	May-2012	Dec-2012
Permit granting ³	Jan-2016	Jun-2023
Construction	Feb-2027	Oct-2029

REGULATORY TREATMENT

Exemption ⁴	The project promoter has not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter has not submitted such a request
Project specific risk-based incentives ⁶	The project promoter has not submitted such a request

NOTES

The project promoter indicated that on 3 Feb 2022, the Ministry of Regional Development (MRD) granted the zonal permit decision for the overhead line 400 kV Kocin - Mirovka which has not entered into force because of received objections. These objections are being resolved by the MRD.

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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Internal line in Germany between Wolmirstedt and Isarto increase internal North-South transmission capacity [currently known as SuedOstLink]

PCI MONITORING 2023

GENERAL DATA

Project promoters

50Hertz Transmission GmbH, TenneT TSO GmbH (DE)

PCI number

3.12

EU TYNDP 2020 project code

130

Project category

Transmission

Priority corridor

NSI-EAST

Hosting countries

Germany (DE)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

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

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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:

N/A

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)
2023	4700.00	No data	+20/-20	37.60
2022	4220.00	No data	+20/-20	33.80
2021	4220.00	No data	+20/-20	33.80
2020	2800.00	No data	+75/-20	22.40

Reasons for changes in cost data during the reporting period:

The cost increases can be justified by the general cost increases as a result of the war on Ukraine. Furthermore, there are procurement / construction cost uncertainties and higher uncertainty due to new technology involved.

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; Negotiations with landowners and land acquisition; Detailed technical design; Tendering; Other works or activities (please specify below)

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	May-2012	Jul-2013
Permit granting ³	Jan-2020	Apr-2025
Construction	Apr-2024	Dec-2027

REGULATORY TREATMENT

Exemption ⁴	The project promoter(s) have not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter(s) have not submitted such a request
Project specific risk-based incentives ⁶	The project promoter(s) have not submitted such a request

NOTES

Regarding past delays the project promoter noted that due to a strong political resistance in Germany concerning overhead lines over long distances, the lawmaker introduced during autumn 2015 the legal obligation to build SuedOstLink as underground cable. That provided for a replanning affecting to a certain extent the initial achievements and timeline.

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits (“start date”) until the date when the last permit is obtained (“end date”) pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Internal line between Krajnik and Baczyňa (PL)

PCI MONITORING 2023

GENERAL DATA

Project promoters

Polskie Sieci Elektroenergetyczne S.A.
(PSE)

PCI number

3.14.2

EU TYNDP 2020 project code

230 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

NSI-EAST

Hosting countries

Poland (PL)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

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

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

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

Main reason for rescheduling/delay during the reporting period:

N/A

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)
2023	69.74	0.00	+20/-10	0.12
2022	63.90	0.00	+20/-10	0.12
2021	62.95	0.00	+20/-10	No data
2020	64.86	No data	No data	No data

Reasons for changes in cost data during the reporting period:

Better cost estimation (incl. increased accuracy, reduction of risk add-ons, or higher cost certainty after finalisation of tender process)

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Construction

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jun-2011	Jun-2011
Permit granting ³	Jan-2021	Aug-2021
Construction	Dec-2015	Feb-2025

REGULATORY TREATMENT

Exemption ⁴	The project promoter(s) have not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter has not submitted such a request
Project specific risk-based incentives ⁶	The project promoter(s) have not submitted such a request

NOTES

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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Internal line between Mikułowa and Świebodzice (PL)

PCI MONITORING 2023

GENERAL DATA

Project promoters

Polskie Sieci Elektroenergetyczne S.A.
(PSE)

PCI number

3.14.3

EU TYNDP 2020 project code

230 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

NSI-EAST

Hosting countries

Poland (PL)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

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

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2023	Permitting	On time	Nov-2024
2022	Permitting	Delayed	Nov-2024
2021	Permitting	On time	Jun-2024
2020	Planned but not yet in permitting	On time	Jun-2024
2019	Planned but not yet in permitting		Jun-2024

Main reason for rescheduling/delay during the reporting period:

N/A

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)
2023	139.69	0.00	+20/-10	0.21
2022	83.02	0.00	+20/-10	0.21
2021	81.87	0.00	+20/-10	0.21
2020	59.76	No data	No data	0.00

Reasons for changes in cost data during the reporting period:

Better cost estimation (incl. increased accuracy, reduction of risk add-ons, or higher cost certainty after finalisation of tender process)

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Tendering

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jun-2011	Jun-2011
Permit granting ³	Aug-2020	Mar-2021
Construction	Aug-2021	Oct-2024

REGULATORY TREATMENT

Exemption ⁴	The project promoter has not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter has not submitted such a request
Project specific risk-based incentives ⁶	The project promoter has not submitted such a request

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Internal line between Baczyzna and Plewiska (PL)

PCI MONITORING 2023

GENERAL DATA

Project promoters

Polskie Sieci Elektroenergetyczne S.A.
(PSE)

PCI number

3.14.4

EU TYNDP 2020 project code

230 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

NSI-EAST

Hosting countries

Poland (PL)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

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

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

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

Main reason for rescheduling/delay during the reporting period:

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)
2023	87.91	0.00	+0/-0	0.27
2022	85.09	0.00	+0/-0	0.27
2021	60.03	0.00	+0/-0	0.27
2020	57.66	No data	No data	0.00

Reasons for changes in cost data during the reporting period:

Better cost estimation (incl. increased accuracy, reduction of risk add-ons, or higher cost certainty after finalisation of tender process)

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Construction

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	Feb-2021
Permit granting ³	Jan-2020	Dec-2020
Construction	Jun-2018	Jul-2023

REGULATORY TREATMENT

Exemption ⁴	The project promoter has not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter has not submitted such a request
Project specific risk-based incentives ⁶	The project promoter has not submitted such a request

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Interconnection between Resita (RO) and Pancevo (RS)

PCI MONITORING 2023

GENERAL DATA

Project promoters

C.N.T.E.E. Transelectrica S.A.,
Elektromreža Srbije AD (EMS)

PCI number

3.22.1

EU TYNDP 2020 project code

144 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

NSI-EAST

Hosting countries

Romania (RO), Serbia (RS)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

<http://www.transelectrica.ro/documents/10179/1494858/PCI+Mid+Continental+East+Corridor.pdf/3eaed06f-b6ec-4e8a-be41-5dc3aaf3f418>;
https://ems.rs/page.php?kat_id=241

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is not included in the Romanian NDP anymore

Reason for non-inclusion:

The project has been finalised, but it is not yet in commercial operation. The commercial operation will start after the completion of the 400 kV Resita substation.

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2023	Commissioned	On time	Dec-2025
2022	Commissioned	On time	Dec-2025
2021	Construction works finalised	Delayed	Dec-2025
2020	Construction works finalised	Delayed	Dec-2024
2019	Construction works finalised		Dec-2021

Main reason for rescheduling/delay during the reporting period:

N/A

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)
2023	22.30	No data	No data	0.11
2022	22.30	No data	No data	0.11
2021	22.30	No data	No data	0.11
2020	22.30	No data	No data	0.11

Reasons for changes in cost data during the reporting period:

N/A

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Commissioning

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Apr-2015	Jul-2015
Permit granting ³	Jun-2010	Jun-2014
Construction	Oct-2014	Mar-2018

REGULATORY TREATMENT

Exemption ⁴	The project promoter(s) have not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter(s) have not submitted such a request
Project specific risk-based incentives ⁶	The project promoter(s) have not submitted such a request

NOTES

The project promoter explains execution works on the Romanian side have been completed in Mar-2018 and that the project is also completed on the Serbian side since Dec-2017. The commercial operation will start after the completion of the 400 kV Resita substation. One circuit of the interconnection line will be put into operation at the end of 2023 and one at the end of 2024.

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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Internal line between Portile de Fier and Resita (RO)

PCI MONITORING 2023

GENERAL DATA

Project promoters

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

PCI number

3.22.2

EU TYNDP 2020 project code

144 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

NSI-EAST

Hosting countries

Romania (RO)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

<http://www.transelectrica.ro/documents/10179/1494858/PCI+Mid+Continental+East+Corridor.pdf/3eaed06f-b6ec-4e8a-be41-5dc3aaf3f418>

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

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

Main reason for rescheduling/delay during the reporting period:

N/A

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)
2023	52.12	No data	No data	0.38
2022	50.00	0.00	No data	0.37
2021	50.00	0.00	No data	0.37
2020	46.00	No data	No data	0.33

Reasons for changes in cost data during the reporting period:

Better cost estimation (incl. increased accuracy, reduction of risk add-ons, or higher cost certainty after finalisation of tender process)

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Construction

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Apr-2015	Jul-2015
Permit granting ³	Nov-2012	Sep-2015
Construction	Nov-2015	Dec-2025

REGULATORY TREATMENT

Exemption ⁴	The project promoter(s) have not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter(s) have not submitted such a request
Project specific risk-based incentives ⁶	The project promoter(s) have not submitted such a request

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Internal line between Resita and Timisoara/ Sacalaz (RO)

PCI MONITORING 2023

GENERAL DATA

Project promoters

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

PCI number

3.22.3

EU TYNDP 2020 project code

144 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

NSI-EAST

Hosting countries

Romania (RO)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

<http://www.transelectrica.ro/documents/10179/1494858/PCI+Mid+Continental+East+Corridor.pdf/3eaed06f-b6ec-4e8a-be41-5dc3aaf3f418>

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

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

Main reason for rescheduling/delay during the reporting period:

For the 400 kV Timisoara substation, the contract for the execution of works was signed in Jan 2019. In May 2022 the contract was denounced by the Judicial Administrator of Romelectro SA. The constructor became insolvent and did not perform any more work in the substation starting on 14.02.2022.

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)
2023	65.00	No data	No data	0.42
2022	65.00	0.00	No data	0.42
2021	51.00	0.00	No data	0.35
2020	32.00	No data	No data	0.23

Reasons for changes in cost data during the reporting period:

N/A

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: environmental; Construction

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Sep-2018	Feb-2019
Permit granting ³	Oct-2017	May-2021
Construction	Jan-2020	Dec-2026

REGULATORY TREATMENT

Exemption ⁴	The project promoter(s) have not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter(s) have not submitted such a request
Project specific risk-based incentives ⁶	The project promoter(s) have not submitted such a request

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Internal line between Arad and Timisoara/Sacalaz (RO)

PCI MONITORING 2023

GENERAL DATA

Project promoters

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

PCI number

3.22.4

EU TYNDP 2020 project code

144 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

NSI-EAST

Hosting countries

Romania (RO)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

<http://www.transelectrica.ro/documents/10179/1494858/PCI+Mid+Continental+East+Corridor.pdf/3eaed06f-b6ec-4e8a-be41-5dc3aaf3f418>

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2023	Planned but not yet in permitting	Delayed	Dec-2029
2022	Planned but not yet in permitting	On time	Dec-2027
2021	Planned but not yet in permitting	On time	Dec-2027
2020	Planned but not yet in permitting	On time	Dec-2027
2019	Planned but not yet in permitting		Dec-2027

Main reason for rescheduling/delay during the reporting period:

A very long duration of the auction procedures

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)
2023	50.60	No data	No data	0.25
2022	50.60	No data	No data	0.25
2021	43.00	No data	No data	0.34
2020	43.00	No data	No data	0.34

Reasons for changes in cost data during the reporting period:

N/A

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: environmental; STUDY: technical feasibility

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting ³	No data	No data
Construction	Dec-2023	Dec-2029

REGULATORY TREATMENT

Exemption ⁴	The project promoter has not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter has not submitted such a request
Project specific risk-based incentives ⁶	The project promoter has not submitted such a request

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Hydro-pumped electricity storage in Amfilochia (EL)

PCI MONITORING 2023

GENERAL DATA

Project promoters

Terna Energy S.A.

PCI number

3.24

EU TYNDP 2020 project code

1006

Project category

Storage

Priority corridor

NSI-EAST

Hosting countries

Greece (GR)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

<http://www.terna-energy.com/activities/?catid=b61fbb13-cdbf-43b0-9b4f-9428e482f3e7>

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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:

N/A

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)
2023	646.30	10.00	+5/-0	16.50
2022	550.00	10.00	+10/-0	16.50
2021	550.00	10.00	+10/-0	16.50
2020	502.00	20.00	+5/-0	10.45

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

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: environmental; 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

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Dec-2009	Aug-2012
Permit granting ³	May-2015	Jun-2022
Construction	Nov-2022	Oct-2025

REGULATORY TREATMENT

Exemption ⁴	Not applicable/available to electricity storage projects
Cross Border Cost Allocation ⁵	Not applicable/available to electricity storage projects
Project specific risk-based incentives ⁶	Not applicable/available to electricity storage projects

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Internal line within Austria between Lienz and Obersielach

PCI MONITORING 2023

GENERAL DATA

Project promoters

Austrian Power Grid AG (APG)

PCI number

3.28

EU TYNDP 2020 project code

1052

Project category

Transmission

Priority corridor

NSI-EAST

Hosting countries

Austria (AT)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

[no informaton provided](#)

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

concretization of voltage (380 kV) and nominal power (4500 MVA)

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2023	Planned but not yet in permitting	On time	Dec-2031
2022	Planned but not yet in permitting	Delayed	Dec-2031
2021	Planned but not yet in permitting	-	Dec-2030
2020	-	-	-
2019	-	-	-

Main reason for rescheduling/delay during the reporting period:

N/A

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)
2023	500.00	No data	+10/No data	0.14
2022	175.00	0.00	+10/no data	1.40
2021	175.00	-	+10/no data	1.40
2020	-	-	-	-

Reasons for changes in cost data during the reporting period:

Change in the technical characteristics not related to permit granting

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: spatial planning

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jun-2011	Dec-2011
Permit granting ³	Jan-2024	Dec-2025
Construction	Jan-2030	Dec-2031

REGULATORY TREATMENT

Exemption ⁴	The project promoter(s) have not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter(s) have not submitted such a request
Project specific risk-based incentives ⁶	The project promoter(s) have not submitted such a request

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Internal line between Stanisławów and Ostrołęka (PL)

PCI MONITORING 2023

GENERAL DATA

Project promoters

Polskie Sieci Elektroenergetyczne S.A.
(PSE)

PCI number

4.5.2

EU TYNDP 2020 project code

123

Project category

Transmission

Priority corridor

BEMIP

Hosting countries

Poland (PL)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

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

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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:

N/A

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)
2023	55.88	0.00	+0/-0	0.25
2022	52.92	0.00	+0/-0	0.25
2021	53.43	0.00	+0/-0	0.25
2020	52.19	No data	No data	0.25

Reasons for changes in cost data during the reporting period:

Better cost estimation (incl. increased accuracy, reduction of risk add-ons, or higher cost certainty after finalisation of tender process)

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Construction

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jun-2011	Jun-2011
Permit granting ³	Oct-2019	Sep-2021
Construction	Sep-2018	Apr-2023

REGULATORY TREATMENT

Exemption ⁴	The project promoter has not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter has not submitted such a request
Project specific risk-based incentives ⁶	The project promoter has not submitted such a request

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Hydro-pumped electricity storage in Estonia

PCI MONITORING 2023

GENERAL DATA

Project promoters

Energiasalv Pakri OÜ

PCI number

4.6

EU TYNDP 2020 project code

1004

Project category

Storage

Priority corridor

BEMIP

Hosting countries

Estonia (EE)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

<https://energiasalv.ee>

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is neither included nor present in the relevant NDP(s)

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
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:

PERMITTING - Delays due to permit granting reasons (not specified)

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)
2023	655.00	93.00	+20/-15	3.90
2022	496.00	No data	+15/-15	6.50
2021	496.00	No data	+15/-15	6.50
2020	496.00	No data	+15/-15	6.50

Reasons for changes in cost data during the reporting period:

Better cost estimation (incl. increased accuracy, reduction of risk add-ons, or higher cost certainty after finalisation of tender process)

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: environmental; STUDY: technical feasibility; Identification of alternative solutions / site identification; 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	Oct-2016	Mar-2018
Permit granting ³	Oct-2016	Dec-2022
Construction	Jul-2024	Dec-2030

REGULATORY TREATMENT

Exemption ⁴	Not applicable/available to electricity storage projects
Cross Border Cost Allocation ⁵	Not applicable/available to electricity storage projects
Project specific risk-based incentives ⁶	Not applicable/available to electricity storage projects. Other incentives have been applied in Jan 2021: grid cost calculation method, resource tax calculation method, grid connection cost sharing, sureties by the state in order to guarantee bank loans

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Interconnection between Tartu (EE) and Valmiera (LV)

PCI MONITORING 2023

GENERAL DATA

Project promoters

Elering AS, Augstsprieguma tīkls AS (AST)

PCI number

4.8.1

EU TYNDP 2020 project code

170 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

BEMIP

Hosting countries

Estonia (EE), Latvia (LV)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

<http://www.ast.lv/en/transmission-network-projects/reconstruction-existing-latvija-estonia-330kv-interconnections>; <https://elering.ee/en/synchronization-continental-europe>

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

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

Main reason for rescheduling/delay during the reporting period:

N/A

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)
2023	53.66	No data	No data	0.05
2022	53.66	No data	No data	0.05
2021	53.66	No data	No data	0.05
2020	53.66	No data	No data	0.05

Reasons for changes in cost data during the reporting period:

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

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

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jun-2014	Aug-2015
Permit granting ³	Sep-2017	May-2018
Construction	Jan-2021	Apr-2023

REGULATORY TREATMENT

Exemption ⁴	The project promoter(s) have not submitted such a request
Cross Border Cost Allocation ⁵	The NRA(s) issued a CBCA decision in Sep-2018
Project specific risk-based incentives ⁶	The project promoter(s) have not submitted such a request

NOTES

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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Interconnection between Lithuania and Poland [currently known as “Harmony Link”]

PCI MONITORING 2023

GENERAL DATA

Project promoters

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

PCI number

4.8.10

EU TYNDP 2020 project code

170 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

BEMIP

Hosting countries

Lithuania (LT), Poland (PL), Sweden (SE)
(Swedish waters crossed)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

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

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2023	Permitting	Delayed	Apr-2028
2022	Permitting	On time	Mar-2026
2021	Permitting	No data	Mar-2026
2020	Planned but not yet in permitting	On time	Dec-2025
2019	-	-	-

Main reason for rescheduling/delay during the reporting period:

The new expected commissioning date is attributed to the current market situation (many HVDC projects are on-going) and is an outcome of the competitive dialogue with converter stations bidder and negotiations with HVDC cable bidder.

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)
2023	1419.19	0.00	No data/-0	3.39
2022	682.60	0.00	+0/-0	3.39
2021	682.60	0.00	+0/-0	3.39
2020	280.49	No data	+10/-10	No data

Reasons for changes in cost data during the reporting period:

Better cost estimation (incl. increased accuracy, reduction of risk add-ons, or higher cost certainty after finalisation of tender process)

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	Dec-2019	Sep-2022
Permit granting ³	Jun-2019	Dec-2024
Construction	May-2024	Oct-2027

REGULATORY TREATMENT

Exemption ⁴	The project promoter(s) have not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter(s) submitted an investment request in Nov-2019. The CBCA decision was issued in April 2020.
Project specific risk-based incentives ⁶	The project promoter(s) have not submitted such a request

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits (“start date”) until the date when the last permit is obtained (“end date”) pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

New 330kV Mūša substation (LT)

PCI MONITORING 2023

GENERAL DATA

Project promoters

Litgrid AB

PCI number

4.8.13

EU TYNDP 2020 project code

170 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

BEMIP

Hosting countries

Lithuania (LT)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

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

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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	-		-

Main reason for rescheduling/delay during the reporting period:

N/A

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)
2023	15.60	No data	+100/No data	0.01
2022	6.14	No data	No data	0.01
2021	6.14	No data	No data	0.01
2020	6.14	No data	No data	0.00

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

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: spatial planning; Preparation of permitting files, contracts and other documents;
 Detailed technical design; Tendering

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Dec-2019	Jul-2022
Permit granting ³	Jun-2019	Sep-2023
Construction	Oct-2023	Nov-2025

REGULATORY TREATMENT

Exemption ⁴	The project promoter has not submitted such a request
Cross Border Cost Allocation ⁵	The NRA(s) issued a CBCA decision in Sep-2018. At the time of the issuance of the CBCA decision the project was part of PCI 4.8.9.
Project specific risk-based incentives ⁶	The project promoter has not submitted such a request

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Internal line between Bitenai and KHAE (LT)

PCI MONITORING 2023

GENERAL DATA

Project promoters

Litgrid AB

PCI number

4.8.14

EU TYNDP 2020 project code

170 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

BEMIP

Hosting countries

Lithuania (LT)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

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

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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
2019	-		-

Main reason for rescheduling/delay during the reporting period:

N/A

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)
2023	43.36	No data	3/No data	0.04
2022	42.07	No data	No data	0.04
2021	42.07	No data	No data	0.04
2020	42.07	No data	No data	0.00

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

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Public consultation; Preparation of permitting files, contracts and other documents; Detailed technical design; Tendering; 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 ³	Jun-2019	Feb-2023
Construction	Jan-2022	Sep-2025

REGULATORY TREATMENT

Exemption ⁴	The project promoter has not submitted such a request
Cross Border Cost Allocation ⁵	The NRA(s) issued a CBCA decision in Sep-2018. At the time of the issuance of the CBCA decision the project was part of PCI 4.8.9.
Project specific risk-based incentives ⁶	The project promoter has not submitted such a request

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

New 330kV Darbėnai substation (LT)

PCI MONITORING 2023

GENERAL DATA

Project promoters

Litgrid AB

PCI number

4.8.15

EU TYNDP 2020 project code

170 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

BEMIP

Hosting countries

Lithuania (LT)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

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

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2023	Permitting	Delayed	Mar-2025
2022	Permitting	Ahead of schedule	Sep-2024
2021	Permitting	On time	Dec-2025
2020	Permitting	On time	Dec-2025
2019	-	-	-

Main reason for rescheduling/delay during the reporting period:

PERMITTING - Delays in the preparation of necessary application files by the project promoter: slower than expected performance of the principal contractor in the pre-permit design 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)
2023	15.90	No data	No data/-2	0.01
2022	15.90	No data	No data	0.01
2021	11.99	No data	No data	0.01
2020	11.99	No data	No data	0.00

Reasons for changes in cost data during the reporting period:

N/A

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Public consultation; Preparation of permitting files, contracts and other documents;
 Detailed technical design

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Dec-2019	Sep-2022
Permit granting ³	Jun-2019	Jun-2023
Construction	Dec-2022	Jan-2025

REGULATORY TREATMENT

Exemption ⁴	The project promoter has not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter(s) submitted an investment request in Nov-2019. The CBCA decision was issued in April 2020.
Project specific risk-based incentives ⁶	The project promoter has not submitted such a request

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Internal line between Darbenai and Bitenai (LT)

PCI MONITORING 2023

GENERAL DATA

Project promoters

Litgrid AB

PCI number

4.8.16

EU TYNDP 2020 project code

170 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

BEMIP

Hosting countries

Lithuania (LT)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

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

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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
2019	-		-

Main reason for rescheduling/delay during the reporting period:

N/A

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)
2023	68.89	No data	+10/No data	0.06
2022	62.76	No data	No data	0.06
2021	62.76	No data	No data	0.06
2020	62.76	No data	No data	0.00

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

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Public consultation; Preparation of permitting files, contracts and other documents; Detailed technical design; Tendering; 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 ³	Jun-2019	Nov-2022
Construction	Jan-2022	May-2025

REGULATORY TREATMENT

Exemption ⁴	The project promoter has not submitted such a request
Cross Border Cost Allocation ⁵	The NRA(s) issued a CBCA decision in Sep-2018. At the time of the issuance of the CBCA decision the project was part of PCI 4.8.9.
Project specific risk-based incentives ⁶	The project promoter has not submitted such a request

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Internal line between Dunowo and Żydowo Kierzkowo (PL)

PCI MONITORING 2023

GENERAL DATA

Project promoters

Polskie Sieci Elektroenergetyczne S.A.
(PSE)

PCI number

4.8.18

EU TYNDP 2020 project code

170 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

BEMIP

Hosting countries

Poland (PL)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

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

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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
2019	-	-	-

Main reason for rescheduling/delay during the reporting period:

N/A

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)
2023				
2022				
2021				
2020				

Reasons for changes in cost data during the reporting period:

Better cost estimation (incl. increased accuracy, reduction of risk add-ons, or higher cost certainty after finalisation of tender process)

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Tendering

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	Aug-2023
Permit granting ³	Sep-2022	Jun-2023
Construction	Jan-2024	Dec-2025

REGULATORY TREATMENT

Exemption ⁴	The project promoter has not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter(s) submitted an investment request in Nov-2019. The CBCA decision was issued in April 2020.
Project specific risk-based incentives ⁶	The project promoter has not submitted such a request

NOTES

The project promoter reported that in the NDP, the investments which belong to PCIs 4.8.18 and 4.8.19 are combined into one investment. The total costs were divided by the proportion of the length of individual line sections.

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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Internal line between Piła Krzewina and Żydowo Kierzkowo (PL)

PCI MONITORING 2023

GENERAL DATA

Project promoters

Polskie Sieci Elektroenergetyczne S.A.
(PSE)

PCI number

4.8.19

EU TYNDP 2020 project code

170 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

BEMIP

Hosting countries

Poland (PL)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

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

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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
2019	-	-	-

Main reason for rescheduling/delay during the reporting period:

N/A

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)
2023				
2022				
2021				
2020				

Reasons for changes in cost data during the reporting period:

Better cost estimation (incl. increased accuracy, reduction of risk add-ons, or higher cost certainty after finalisation of tender process)

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Tendering

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	Aug-2023
Permit granting ³	Sep-2022	Jun-2023
Construction	Jan-2024	Dec-2025

REGULATORY TREATMENT

Exemption ⁴	The project promoter has not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter(s) submitted an investment request in Nov-2019. The CBCA decision was issued in April 2020.
Project specific risk-based incentives ⁶	The project promoter has not submitted such a request

NOTES

The project promoter reported that in the NDP, the investments which belong to PCIs 4.8.18 and 4.8.19 are combined into one investment. The total costs were divided by the proportion of the length of individual line sections.

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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Internal line between Balti and Tartu (EE)

PCI MONITORING 2023

GENERAL DATA

Project promoters

Elering AS

PCI number

4.8.2

EU TYNDP 2020 project code

170 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

BEMIP

Hosting countries

Estonia (EE)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

<https://elering.ee/en/synchronization-continental-europe>

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

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

Main reason for rescheduling/delay during the reporting period:

N/A

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)
2023	51.21	No data	No data	0.07
2022	51.21	No data	No data	0.07
2021	51.21	No data	No data	0.07
2020	51.21	No data	No data	0.07

Reasons for changes in cost data during the reporting period:

N/A

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Construction

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jan-2015	Aug-2015
Permit granting ³	No data	Sep-2018
Construction	Dec-2020	Mar-2023

REGULATORY TREATMENT

Exemption ⁴	The project promoter has not submitted such a request
Cross Border Cost Allocation ⁵	The NRA(s) issued a CBCA decision in Sep-2018
Project specific risk-based incentives ⁶	The project promoter has not submitted such a request

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Internal line between Krajnik and Morzyczyn (PL)

PCI MONITORING 2023

GENERAL DATA

Project promoters

Polskie Sieci Elektroenergetyczne S.A.
(PSE)

PCI number

4.8.20

EU TYNDP 2020 project code

170 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

BEMIP

Hosting countries

Poland (PL)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

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

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2023	Commissioned	Ahead of schedule	Mar-2023
2022	Under construction	Ahead of schedule	Jun-2023
2021	Planned but not yet in permitting	On time	Dec-2025
2020	Planned but not yet in permitting	On time	Dec-2025
2019	-	-	-

Main reason for rescheduling/delay during the reporting period:

N/A

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)
2023	0.69	0.00	+20/-10	0.04
2022	0.71	0.00	+20/-10	0.04
2021	0.73	0.00	+20/-10	0.04
2020	1.23	No data	No data	0.00

Reasons for changes in cost data during the reporting period:

Better cost estimation (incl. increased accuracy, reduction of risk add-ons, or higher cost certainty after finalisation of tender process)

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Commissioning

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting ³	No data	No data
Construction	Sep-2021	Nov-2022

REGULATORY TREATMENT

Exemption ⁴	The project promoter has not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter(s) submitted an investment request in Nov-2019. The CBCA decision was issued in April 2020.
Project specific risk-based incentives ⁶	The project promoter has not submitted such a request

NOTES

The project promoter reported that in the NDP, the projects Krajnik-Morzyczyn (PCI 4.8.20) and Morzyczyn-Dunowo-Internal line between Morzyczyn-Dunowo-Słupsk-Żarnowiec (PL) (4.8.21) are combined into one project. The total costs were divided by the proportion of the length of individual line sections;

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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

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

PCI MONITORING 2023

GENERAL DATA

Project promoters

Polskie Sieci Elektroenergetyczne S.A.
(PSE)

PCI number

4.8.21

EU TYNDP 2020 project code

170 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

BEMIP

Hosting countries

Poland (PL)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

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

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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
2019	-	-	-

Main reason for rescheduling/delay during the reporting period:

N/A

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)
2023	11.12	0.00	+20/-10	0.30
2022	12.95	0.00	+20/-10	0.30
2021	11.49	0.00	+20/-10	0.30
2020	11.03	No data	No data	0.00

Reasons for changes in cost data during the reporting period:

Better cost estimation (incl. increased accuracy, reduction of risk add-ons, or higher cost

certainty after finalisation of tender process)

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Construction; Commissioning

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting ³	No data	No data
Construction	Sep-2021	May-2026

REGULATORY TREATMENT

Exemption ⁴	The project promoter has not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter(s) submitted an investment request in Nov-2019. The CBCA decision was issued in April 2020.
Project specific risk-based incentives ⁶	The project promoter has not submitted such a request

NOTES

In the Polish NDP, the modernisation of Krajnik-Morzyczyn (PCI 4.8.20) and Morzyczyn-Dunowo line (part of PCI 4.8.21) are combined into one project. The total costs were divided by the proportion of the length of individual line sections.

For PCI 4.8.20 the construction works technically complete earlier (i.e. by Jun-2023) than for PCI 4.8.21 (i.e. by May-2026).

The Morzyczyn - Dunowo part of PCI 4.8.21 is carried out in connection with PCI 4.8.20 and its implementation is finalised, while the other parts (i.e. Dunowo - Słupsk line and the Słupsk - Żarnowiec line) are planned, but not yet in permitting. This is due to the reconstruction of the transmission network for offshore wind integration, the investments of which are related to the modernization of the Dunowo-Słupsk-Żarnowiec line.

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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

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

PCI MONITORING 2023

GENERAL DATA

Project promoters

Polskie Sieci Elektroenergetyczne S.A.
(PSE)

PCI number

4.8.22

EU TYNDP 2020 project code

170 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

BEMIP

Hosting countries

Poland (PL)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

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

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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
2019	-	-	-

Main reason for rescheduling/delay during the reporting period:

N/A

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)
2023	3.37	0.00	+20/-10	0.10
2022	3.92	0.00	+20/-10	0.10
2021	3.85	0.00	+20/-10	0.10
2020	3.62	No data	No data	0.00

Reasons for changes in cost data during the reporting period:

Better cost estimation (incl. increased accuracy, reduction of risk add-ons, or higher cost

certainty after finalisation of tender process)

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Construction

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting ³	No data	No data
Construction	May-2022	Dec-2025

REGULATORY TREATMENT

Exemption ⁴	The project promoter has not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter(s) submitted an investment request in Nov-2019. The CBCA decision was issued in April 2020.
Project specific risk-based incentives ⁶	The project promoter has not submitted such a request

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

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

PCI MONITORING 2023

GENERAL DATA

Project promoters

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

PCI number

4.8.23

EU TYNDP 2020 project code

170 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

BEMIP

Hosting countries

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

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

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

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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
2019	-	-	-

Main reason for rescheduling/delay during the reporting period:

N/A

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)
2023	222.00	No data	+0/-4	3.00
2022	222.00	No data	no data/-0	3.00
2021	253.58	No data	+13/-0	4.50
2020	333.00	No data	+5/-5	4.50

Reasons for changes in cost data during the reporting period:

N/A

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

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

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jan-2018	Nov-2019
Permit granting ³	Sep-2019	May-2023
Construction	Sep-2021	Nov-2025

REGULATORY TREATMENT

Exemption ⁴	The project promoter(s) have not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter(s) submitted an investment request in Nov-2019. The CBCA decision was issued in May 2020. The project promoter indicated that the PCI also includes two synchronous condenser in Latvia in Ventpils and Likсна 330 kV substation on which an investment request was submitted in May-2018 and the decision was issued in Sep-2018.
Project specific risk-based incentives ⁶	The project promoter(s) have not submitted such a request

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Interconnection between Tsirguliina (EE) and Valmiera (LV)

PCI MONITORING 2023

GENERAL DATA

Project promoters

Augstsprieguma tīkls AS (AST)

PCI number

4.8.3

EU TYNDP 2020 project code

170 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

BEMIP

Hosting countries

Estonia (EE), Latvia (LV)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

<https://www.ast.lv/en/transmission-network-projects/reconstruction-existing-latvija-estonia-330kv-interconnections>; <https://elering.ee/en/synchronization-continental-europe>

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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:

N/A

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)
2023	22.00	No data	No data	0.05
2022	22.00	No data	No data	0.05
2021	22.00	No data	No data	0.05
2020	22.00	No data	No data	0.05

Reasons for changes in cost data during the reporting period:

N/A

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

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

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jan-2015	Aug-2015
Permit granting ³	Jan-2019	Dec-2021
Construction	Jun-2023	Jun-2024

REGULATORY TREATMENT

Exemption ⁴	The project promoter(s) have not submitted such a request
Cross Border Cost Allocation ⁵	The NRA(s) issued a CBCA decision in Sep-2018
Project specific risk-based incentives ⁶	The project promoter(s) have not submitted such a request

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Internal line between Viru and Tsirguliina (EE)

PCI MONITORING 2023

GENERAL DATA

Project promoters

Elering AS

PCI number

4.8.4

EU TYNDP 2020 project code

170 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

BEMIP

Hosting countries

Estonia (EE)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

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

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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:

N/A

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)
2023	68.33	No data	+13/No data	0.11
2022	68.33	No data	No data	0.11
2021	68.33	No data	No data	0.11
2020	68.33	No data	No data	0.11

Reasons for changes in cost data during the reporting period:

N/A

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Preparation of permitting files, contracts and other documents; Detailed technical design

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jan-2015	Aug-2015
Permit granting ³	May-2021	May-2023
Construction	Sep-2021	Nov-2025

REGULATORY TREATMENT

Exemption ⁴	The project promoter has not submitted such a request
Cross Border Cost Allocation ⁵	The NRA(s) issued a CBCA decision in Sep-2018
Project specific risk-based incentives ⁶	The project promoter has not submitted such a request

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Internal line between Paide and Sindi (EE)

PCI MONITORING 2023

GENERAL DATA

Project promoters

Elering AS

PCI number

4.8.7

EU TYNDP 2020 project code

170 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

BEMIP

Hosting countries

Estonia (EE)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

https://elering.ee/sites/default/files/public/infokeskus/elering_vka_2019_web_final2.pdf

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

N/A

Reason for non-inclusion:

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STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2023	Cancelled	On time	Dec-2025
2022	Under consideration	On time	Dec-2025
2021	Under consideration	On time	Dec-2025
2020	Under consideration	On time	Dec-2025
2019	Cancelled		Jan-2022

Main reason for rescheduling/delay during the reporting period:

N/A

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)
2023	15.00	No data	+5/-5	0.04
2022	15.00	No data	+5/-5	0.04
2021	15.00	No data	+5/-5	0.04
2020	15.00	No data	No data	0.04

Reasons for changes in cost data during the reporting period:

N/A

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

No works or activities were performed over the the indicated 12-month period

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting ³	No data	No data
Construction	No data	No data

REGULATORY TREATMENT

Exemption ⁴	The project promoter has not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter has not submitted such a request
Project specific risk-based incentives ⁶	The project promoter has not submitted such a request

NOTES

The project promoter reported that the project is moved under a new project EE-LV 4th offshore/hybrid interconnection and shall be removed from the list of Baltic synchronisation project cluster. The new project is defined in TYNDP 2022. As new substation is constructed on the Paide Sindi line (Sopi 330 substation), the new investments in TYNDP 2022 are Paide-Sopi and Sopi-Sindi 330 kV OHL reconstruction.

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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Internal line between Vilnius and Neris (LT)

PCI MONITORING 2023

GENERAL DATA

Project promoters

Litgrid AB

PCI number

4.8.8

EU TYNDP 2020 project code

170 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

BEMIP

Hosting countries

Lithuania (LT)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

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

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

Total route length updated according to the detailed technical design.

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

Reason for non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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:

N/A

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)
2023	55.08	No data	+100/No data	0.02
2022	23.81	No data	+0/no data	0.02
2021	23.81	No data	No data	0.02
2020	23.81	No data	No data	0.00

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

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Detailed technical design; Tendering

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	May-2019	May-2021
Permit granting ³	Jun-2019	Jul-2023
Construction	Jul-2023	Oct-2025

REGULATORY TREATMENT

Exemption ⁴	The project promoter has not submitted such a request
Cross Border Cost Allocation ⁵	The NRA(s) issued a CBCA decision in Sep-2018
Project specific risk-based incentives ⁶	The project promoter has not submitted such a request

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

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

PCI MONITORING 2023

GENERAL DATA

Project promoters

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

PCI number

4.8.9

EU TYNDP 2020 project code

170 (different clustering in TYNDP)

Project category

Transmission

Priority corridor

BEMIP

Hosting countries

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

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

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

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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:

N/A

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)
2023	193.10	No data	+33/-	1.51
2022	193.10	No data	No data	1.51
2021	186.90	No data	No data	0.01
2020	98.16	No data	No data	0.01

Reasons for changes in cost data during the reporting period:

N/A

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: technical feasibility; Detailed technical design; Tendering; Preparatory works for construction (e.g. land preparation); Construction

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jan-2015	Aug-2015
Permit granting ³	Jun-2019	Apr-2023
Construction	Aug-2022	Dec-2023

REGULATORY TREATMENT

Exemption ⁴	The project promoter(s) have not submitted such a request
Cross Border Cost Allocation ⁵	The NRA(s) issued a CBCA decision in Sep-2018
Project specific risk-based incentives ⁶	The project promoter(s) have not submitted such a request

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Interconnection between northern Finland and northern Sweden

PCI MONITORING 2023

GENERAL DATA

Project promoters

Fingrid Oyj, Svenska Kraftnät (SvK)

PCI number

4.10.1

EU TYNDP 2020 project code

111

Project category

Transmission

Priority corridor

BEMIP

Hosting countries

Finland (FI), Sweden (SE)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

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

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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:

N/A

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)
2023	200.00	No data	No data	0.24
2022	200.00	No data	No data	0.24
2021	191.00	No data	No data	0.24
2020	175.00	No data	No data	0.24

Reasons for changes in cost data during the reporting period:

N/A

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: environmental; STUDY: spatial planning; 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	No data	No data
Permit granting ³	No data	Sep-2023
Construction	Jan-2023	Dec-2025

REGULATORY TREATMENT

Exemption ⁴	The project promoter(s) have not submitted such a request
Cross Border Cost Allocation ⁵	The NRAs issued a CBCA decision in Mar-2020
Project specific risk-based incentives ⁶	The project promoter(s) have not submitted such a request

NOTES

The project promoter indicated that the project cluster (including PCI 4.10.1 and PCI 4.10.2) has been renamed to Aurora Line.

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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Internal line between Keminmaa and Pyhänselkä (FI)

PCI MONITORING 2023

GENERAL DATA

Project promoters

Fingrid Oyj

PCI number

4.10.2

EU TYNDP 2020 project code

96

Project category

Transmission

Priority corridor

BEMIP

Hosting countries

Finland (FI)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

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

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 non-inclusion:

N/A

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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:

N/A

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)
2023	70.00	No data	No data	0.08
2022	70.00	No data	No data	0.08
2021	59.00	No data	No data	0.08
2020	66.00	No data	No data	0.00

Reasons for changes in cost data during the reporting period:

N/A

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Public consultation; Preparation of permitting files, contracts and other documents; Detailed technical design; Tendering; Preparatory works for construction (e.g. land preparation); Construction

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	No data	No data
Permit granting ³	Mar-2018	Apr-2022
Construction	Sep-2022	Dec-2024

REGULATORY TREATMENT

Exemption ⁴	The project promoter has not submitted such a request
Cross Border Cost Allocation ⁵	The NRAs issued a CBCA decision in Mar-2020
Project specific risk-based incentives ⁶	The project promoter has not submitted such a request

NOTES

The project promoter indicated that the project cluster (including PCI 4.10.1 and PCI 4.10.2) has been renamed to Aurora Line.

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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Interconnection between Latvia and Sweden via Gotland [currently known as "LaSGo Link"]

PCI MONITORING 2023

GENERAL DATA

Project promoters

Transmission Investment

PCI number

4.11

EU TYNDP 2020 project code

1068

Project category

Transmission

Priority corridor

BEMIP

Hosting countries

Sweden (SE), Latvia (LV)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

<https://tiniv.com/intercon-projects/lasgo/>

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is neither included nor present in the relevant NDP(s)

Reason for non-inclusion:

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
2023	Under consideration	On time	Dec-2036
2022	Under consideration	On time	Dec-2036
2021	Under consideration	-	Dec-2036
2020	-	-	-
2019	-	-	-

Main reason for rescheduling/delay during the reporting period:

N/A

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)
2023	799.00	No data	+15/-15	12.00
2022	799.00	0.00	+15/-15	12.00
2021	799.00	-	+15/-15	12.00
2020	-	-	-	-

Reasons for changes in cost data during the reporting period:

N/A

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	Jan-2025	Jun-2028
Permit granting ³	Jan-2025	Jun-2028
Construction	Jan-2031	Dec-2035

REGULATORY TREATMENT

Exemption ⁴	The project promoter(s) have not submitted such a request
Cross Border Cost Allocation ⁵	The project promoter(s) have not submitted such a request
Project specific risk-based incentives ⁶	The project promoter(s) have not submitted such a request

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits (“start date”) until the date when the last permit is obtained (“end date”) pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

ACON (CZ, SK) (Again COnnected Networks)

PCI MONITORING 2023

GENERAL DATA

Project promoters

Západoslovenská distribučná a.s., EG.D
a.s.

PCI number

10.4

EU TYNDP 2020 project code

N/A

Project category

Smart grid

Priority corridor

Smart grid

Hosting countries

Czech Republic (CZ), Slovakia (SK)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

<https://www.acon-smartgrids.cz/en>

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is neither included nor present in the relevant NDP(s)

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
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:

SK side: Delay in preparation of specific investments caused by prolonged preparation of project documentations (physical implementation of specific cable through urban intramural area); CZ side: Rescheduled due to changes in the overall planning data input, i.e. new 2x110 kV line is added to the set of investments.

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)
2023	269.75	0.00	+15/-5	3.46
2022	269.75	0.00	+15/-5	2.51
2021	269.75	0.00	+5/-5	2.16
2020	269.85	0.00	+5/-5	1.27

Reasons for changes in cost data during the reporting period:

Regular development of the project. Investments are continuously implemented, this is connected with increased OPEX.

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: technical feasibility; Identification of alternative solutions / site identification; 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	No data	Sep-2018
Permit granting ³	Oct-2019	Dec-2023
Construction	Oct-2018	Dec-2025

REGULATORY TREATMENT

Exemption ⁴	Not applicable/available to smart grid projects
Cross Border Cost Allocation ⁵	Not applicable/available to smart grid projects
Project specific risk-based incentives ⁶	Not applicable/available to smart grid projects

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits (“start date”) until the date when the last permit is obtained (“end date”) pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Danube InGrid (HU, SK)

PCI MONITORING 2023

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 number

10.7

EU TYNDP 2020 project code

N/A

Project category

Smart grid

Priority corridor

Smart grid

Hosting countries

Hungary (HU), Slovakia (SK)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

<https://danubeingrid.eu/>

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 non-inclusion:

SEPS TSO investments are included, while non-TSO investments are normally not included

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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
2019	-	-	-

Main reason for rescheduling/delay during the reporting period:

N/A

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)
2023	478.00	No data	+15/-5	1.38
2022	478.00	No data	+15/-5	1.28
2021	291.00	No data	+5/-5	0.57
2020	291.00	No data	+5/-5	0.00

Reasons for changes in cost data during the reporting period:

N/A

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; 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	No data	Mar-2027
Permit granting ³	May-2020	Dec-2027
Construction	Jun-2020	Dec-2029

REGULATORY TREATMENT

Exemption ⁴	Not applicable/available to smart grid projects
Cross Border Cost Allocation ⁵	Not applicable/available to smart grid projects
Project specific risk-based incentives ⁶	Not applicable/available to smart grid projects

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

CARMEN (HU, RO)

PCI MONITORING 2023

GENERAL DATA

Project promoters

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

PCI number

10.10

EU TYNDP 2020 project code

N/A

Project category

Smart grid

Priority corridor

Smart grid

Hosting countries

Hungary (HU), Romania (RO)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

<https://delgaz.ro/smart-grid>

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

There is a new partner in the project (the Bulgarian transmission system operator Electroenergien Sistemem Operator - ESO) and its investments were added to the list of investments.

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

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

Reason for non-inclusion:

In Hungary: the project is not advanced enough to be included in the NDP; In Romania: DSO part is not included, TSO part included; In Bulgaria: the project is included in the NDP

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2023	Planned but not yet in permitting	Rescheduled	Dec-2030
2022	Under consideration	-	Dec-2028
2021	-	-	-
2020	-	-	-
2019	-	-	-

Main reason for rescheduling/delay during the reporting period:

Changes in the overall planning data input (generation, demand and transmission) and consequent impact on needs (i.e. making it less urgent) or benefits of the investment

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)
2023	502.10	0.00	+5/-5	0.70
2022	148.22	0.00	+5/-5	0.70
2021	-	-	-	-
2020	-	-	-	-

Reasons for changes in cost data during the reporting period:

Change in the technical characteristics not related to permit granting

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; 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	No data	Dec-2023
Permit granting ³	No data	No data
Construction	Jul-2023	Dec-2030

REGULATORY TREATMENT

Exemption ⁴	Not applicable/available to smart grid projects
Cross Border Cost Allocation ⁵	Not applicable/available to smart grid projects
Project specific risk-based incentives ⁶	Not applicable/available to smart grid projects

NOTES

There is a new partner in the project (Bulgarian TSO Electroenergien Sistemem Operator – ESO). The project in all countries is in preparation and permitting phase. The Hungarian NRA notes it is not aware of the intention of the Hungarian DSO to join 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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits (“start date”) until the date when the last permit is obtained (“end date”) pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Gabreta (CZ, DE)

PCI MONITORING 2023

GENERAL DATA

Project promoters

Bayernwerk Netz GmbH (BAG), EG.D a.s.

PCI number

10.11

EU TYNDP 2020 project code

N/A

Project category

Smart grid

Priority corridor

Smart grid

Hosting countries

Czech Republic (CZ), Germany (DE)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

<https://www.gabreta-smartgrids.eu/>

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is neither included nor present in the relevant NDP(s)

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
2023	Permitting	On time	Dec-2030
2022	Permitting	-	Dec-2030
2021	-	-	-
2020	-	-	-
2019	-	-	-

Main reason for rescheduling/delay during the reporting period:

N/A

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)
2023	672.10	670.00	+10/-5	2.90
2022	672.10	0.00	+10/-5	2.90
2021	-	-	-	-
2020	-	-	-	-

Reasons for changes in cost data during the reporting period:

Better cost estimation (incl. increased accuracy, reduction of risk add-ons, or higher cost certainty after finalisation of tender process)

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

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jan-2021	Dec-2028
Permit granting ³	Jun-2022	Dec-2027
Construction	Jan-2023	Dec-2030

REGULATORY TREATMENT

Exemption ⁴	Not applicable/available to smart grid projects
Cross Border Cost Allocation ⁵	Not applicable/available to smart grid projects
Project specific risk-based incentives ⁶	Not applicable/available to smart grid projects

NOTES

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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 For PCIs for which a project promoter has submitted an application file after 16 November 2013, it refers to the permit granting procedure pursuant to Article 10 of Regulation (EU) No 347/2013. For PCIs for which a project promoter has submitted an application file before 16 November 2013, it refers to the period from the date of submitting the first application for permits ("start date") until the date when the last permit is obtained ("end date") pursuant to the national rules applicable

⁴ Under Art. 63 of Regulation (EU) 2019/943, Art. 17 of Regulation (EC) No 714/2009 or Art. 7 of Regulation (EC) No 1228/2003

⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013

Green Switch (AT, HR, SI)

PCI MONITORING 2023

GENERAL DATA

Project promoters

ELES d.o.o., Hrvatski operator prijenosnog sustava d.o.o. (HOPS), Elektro Ljubljana, Elektro Gorenjska, Elektro Celje, KNG-Kärnten Netz GmbH, GEN-I d.o.o., Hrvatska elektroprivreda d.d. (HEP)

PCI number

10.12

EU TYNDP 2020 project code

N/A

Project category

Smart grid

Priority corridor

Smart grid

Hosting countries

Austria (AT), Slovenia (SI), Croatia (HR)

Reference date

31 January 2023

Reporting period

1 February 2022 - 31 January 2023

PCI website

[no informaton provided](#)

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 non-inclusion:

In Austria the project is not included as the NDP is done only on the TSO level.

STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2023	Planned but not yet in permitting	Delayed	Dec-2028
2022	Planned but not yet in permitting	-	Dec-2027
2021	-	-	-
2020	-	-	-
2019	-	-	-

Main reason for rescheduling/delay during the reporting period:

Final commissioning date postponed to 2028 due late CEF call.

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)
2023	207.00	No data	No data	0.00
2022	207.00	0.00	No data	0.00
2021	-	-	-	-
2020	-	-	-	-

Reasons for changes in cost data during the reporting period:

N/A

WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: environmental; STUDY: technical feasibility

CURRENT IMPLEMENTATION PLAN¹

	Start date	End date
Planning approval ²	Jun-2022	Dec-2022
Permit granting ³	No data	No data
Construction	Dec-2023	Dec-2028

REGULATORY TREATMENT

Exemption ⁴	Not applicable/available to smart grid projects
Cross Border Cost Allocation ⁵	Not applicable/available to smart grid projects
Project specific risk-based incentives ⁶	Not applicable/available to smart grid projects

NOTES

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⁵ Art. 12 of Regulation (EU) No 347/2013

⁶ Art. 13 of Regulation (EU) No 347/2013