

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

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### PCI website

[www.celticinterconnector.eu](http://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
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:

Updated implementation plan in light of ongoing tender process for the procurement of the supply and installation of cable and converter stations and the planning proposed by the candidates.

## 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)
2022	1100.00	0	+10/-10	8.4
2021	1000.00	0	+10/-10	8.4
2020	930.00	0	+15/-12	8.4

### Reasons for changes in cost data during the reporting period:

Changes in the actual / expected prices of raw material and/or equipment used for the investment

## 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

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

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

## REGULATORY TREATMENT

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

## NOTES

Pre-commissioning will be complete by 12/2026 and commissioning will be complete by 03/2027.

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

<sup>6</sup> 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 2022

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 2022

**Reporting period**

1 February 2021 - 31 January 2022

**PCI website**

<https://northseawindpowerhub.eu/>

TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

The NSPWH design has developed into a larger capacity and more hubs. The project submission to the TYNDP 2022 has changed from the submission to the 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
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)
2022	11300.00	0	+30/-20	40.1
2021	11300.00	0	+30/-20	40.1
2020	11300.00	0	+30/-20	40.1

**Reasons for changes in cost data during the reporting period:**

N/A

## WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

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

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	No data	No data
Permit granting <sup>3</sup>	No data	No data
Construction	No data	No data

## REGULATORY TREATMENT

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

## NOTES

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. The project promoter has not included the updated three hubs and the interconnectors connecting the hubs in this reporting due to the fact that the changes will be more reflected in the TYNDP 2022 onwards.

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# Green Hydrogen Hub Compressed Air Storage (DK)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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
2022	Under consideration	On time	Dec-2026
2021	Under consideration	-	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)
2022	336.00	0	+15/-15	4
2021	336.00	-	+15/-15	4
2020	-	-	-	-

### Reasons for changes in cost data during the reporting period:

N/A

## WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

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

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	Nov-2022	May-2023
Permit granting <sup>3</sup>	Jul-2022	Oct-2024
Construction	Nov-2024	Nov-2026

## REGULATORY TREATMENT

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

## NOTES

For PCIs which are new on the 2021 PCI list, for the status, commissioning date and costs as of 2021 the data available in the TYNDP 2020 has been accounted for.

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# Interconnection between Codrongianos (IT), Lucciana (Corsica, FR) and Suvereto (IT) [currently known as "SACO1 3"]

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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:

Insularity 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
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)
2022	900.00	No data	+10/-10	4.6
2021	900.00	No data	+10/-10	7
2020	900.00	No data	+10/-10	7

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

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	No data	Feb-2012
Permit granting <sup>3</sup>	Feb-2019	Sep-2023
Construction	Nov-2023	Feb-2026

## REGULATORY TREATMENT

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

## NOTES

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<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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



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

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### PCI website

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

## 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
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:

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)
2022	1950.00	No data	No data	10.2
2021	1950.00	No data	No data	10.2
2020	1750.00	No data	No data	10.2

### 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; Identification of alternative solutions / site identification; Public consultation; Preparation of permitting files, contracts and other documents; Detailed technical design; Tendering; Other works or activities

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	No data	No data
Permit granting <sup>3</sup>	Jun-2017	Dec-2023
Construction	Dec-2023	Nov-2027

## REGULATORY TREATMENT

Exemption <sup>4</sup>	The project promoter(s) have not submitted such a request
Cross Border Cost Allocation <sup>5</sup>	The project promoter(s) submitted an investment request in Mar-2017. The NRA decision was issued in Sep-2019.
Project specific risk-based incentives <sup>6</sup>	The project promoter(s) have not submitted such a request

## NOTES

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<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

<sup>6</sup> 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 2022

### 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 2022

#### Reporting period

1 February 2021 - 31 January 2022

#### 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
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:

PERMITTING - Delays due to other permit granting reasons (i.e. additional actions required by the Competent Authority) as well as unforeseen or unexpected events beyond the control of both the project promoters and the Competent Authority (i.e. Covid-19 pandemic situation)

### 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)
2022	1250.00	No data	+10/-10	10
2021	1250.00	No data	+10/-10	10
2020	1070.00	No data	+50/-10	8.6

#### 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; 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

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	May-2012	Jul-2013
Permit granting <sup>3</sup>	Apr-2019	Feb-2026
Construction	Sep-2023	Oct-2027

## REGULATORY TREATMENT

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

## NOTES

Note 1: The project promoter noted that according to the TEN-E Regulation Art. 10(1) the project has not entered the status of “permitting” yet. Nonetheless, several activities with respect to planning and permitting (the so-called “Bundesfachplanung”) - which have to be conducted according to German Law before the permitting phase according to the TEN-E Regulation begins - have already been started and to some extent completed; Note 2: The project promoter noted that cost estimations are based on standard costs and can only be made with a higher level of certainty once the decision on the Federal Sectoral Planning has been taken for all sections, as this will narrow down the final routing significantly.

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

Internal line between Brunsbüttel/Wilster and Gröbgartach/ Berggrheinfeld-West (DE) to increase capacity at northern and southern borders [currently known as "Suedlink"]  
PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### PCI website

<http://www.transnetbw.de/de/uebertragungsnetz/dialog-netzbau/sued-link>

## TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

## INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

### Reason for non-inclusion:

N/A

## STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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:

PERMITTING - Delays due to other permit granting reasons as well as non-permit granting reasons which are beyond the project promoter's control

## 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)
2022	9560.00	0	+20/-20	77
2021	9560.00	0	+20/-20	76.5
2020	6500.00	0	+50/-20	52

### 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; 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

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	May-2012	Jul-2013
Permit granting <sup>3</sup>	Feb-2020	Sep-2025
Construction	Jul-2023	Dec-2028

## REGULATORY TREATMENT

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

## NOTES

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<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

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

PCI MONITORING 2022

### 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 2022

#### Reporting period

1 February 2021 - 31 January 2022

#### PCI website

[www.greenconnector.it](http://www.greenconnector.it)

### 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. 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
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)
2022	660.00	20	+15/-10	2
2021	660.00	20	+15/-10	2
2020	660.00	20	+15/-10	2

#### Reasons for changes in cost data during the reporting period:

N/A

## WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: environmental; Preparation of permitting files, contracts and other documents;  
Other works or activities

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	Jan-2005	Aug-2014
Permit granting <sup>3</sup>	Jan-2005	Aug-2014 (IT side)
Construction	Oct-2023	Sep-2026

## REGULATORY TREATMENT

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

## NOTES

On the Italian side, the project is fully approved. The still ongoing bilateral negotiations between the EU and Switzerland have impacted the time schedule for approval of the Swiss side of the project. Moreover additional documents have been requested by Swiss competent authorities

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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



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

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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
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)
2022	30.40	No data	+10/-10	0.066
2021	30.40	No data	+10/-10	0.066
2020	30.40	No data	+10/-10	0.066

### 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 PLAN<sup>1</sup>

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

## REGULATORY TREATMENT

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

## NOTES

-

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

<sup>6</sup> 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 2022

### 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 2022

#### Reporting period

1 February 2021 - 31 January 2022

#### 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
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: North section of Feira-Ribeira de Pena has not started construction due to public opposition with legal actions from Mondim de Basto Municipality. Delays in construction works: New 400/60kV substation in Ribeira de Pena encountered 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)
2022	80.70	0	+10/-10	0.209
2021	78.94	0	+10/-10	0.209
2020	76.40	0	+10/-10	0.209

#### 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; Construction

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

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

## REGULATORY TREATMENT

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

## NOTES

The project promoter reported that section Vieira do Minho-Ribeira de Pena was commissioned in December 2021.

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

Portugal-Spain interconnection between Beariz-Fontefría(ES),  
Fontefría(ES)-Ponte de Lima(PT) and Ponte de Lima-Vila Nova de Famalicão  
PT), incl. substations in Beariz, Fontefría and Ponte de Lima  
PCI MONITORING 2022

## GENERAL DATA

### Project promoters

Rede Eléctrica Nacional S.A. (REN), Red  
Eléctrica de España 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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/#); <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
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: Delay in the Environmental Impact Assessment process in both counties (Portugal and Spain)

## 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)
2022	113.44	0	+10/-10	1.092
2021	113.44	0	+10/-10	1.092
2020	111.94	0	+10/-10	1.092

### Reasons for changes in cost data during the reporting period:

N/A

## WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Public consultation; Negotiations with landowners and land acquisition; Construction

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

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

## REGULATORY TREATMENT

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

## NOTES

-

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

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

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### PCI website

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

## 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:

N/A

## STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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)
2022	1576.30	671.4	+6/-1	13.8
2021	1541.30	547.6	+6/-1	12.8
2020	1511.00	597.9	+6/-1	12.89

### 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

Preparation of permitting files, contracts and other documents

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	No data	No data
Permit granting <sup>3</sup>	Jul-2012	Feb-2027
Construction	Sep-2027	Feb-2034

## REGULATORY TREATMENT

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

## NOTES

-

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

<sup>6</sup> 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 2022

### 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 2022

#### Reporting period

1 February 2021 - 31 January 2022

#### 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
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)
2022	248.93	0	0	0.28
2021	211.59	0	+5/-0	0.33
2020	190.09	0	+5/-0	0.33

#### Reasons for changes in cost data during the reporting period:

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

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

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

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

## REGULATORY TREATMENT

Exemption <sup>4</sup>	The project promoter has not submitted such a request
Cross Border Cost Allocation <sup>5</sup>	The project promoter has not submitted such a request
Project specific risk-based incentives <sup>6</sup>	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 are commissioned in Dec-2020; Investment item BRABO III: Liefkenshoek-Mercator is in permitting (expected commissioning date: Dec-2025)

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

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

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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:

N/A

## STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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:

Changes due to priority given to other transmission 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)
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:

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 PLAN<sup>1</sup>

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

## REGULATORY TREATMENT

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

## NOTES

Note 1: ACER notes different implementation status of the PCI across the borders. In France the project is present in the NDP as an “under consideration” project, in Spain the project is “planned, but not yet in permitting”; Note 2: According to the information given by the promoters to the ES NRA, “the promoters are carrying out updated economic assessment and network strategy, including the latest National Development Plans, TYNDP2022 scenarios and network models. This work started in March 2021 and is currently ongoing with its finalization expected in June 2022. In addition, detailed field studies will be carried out for concluding feasibility and cost estimations once the authorizations for the Biscay Gulf project are granted (expected in 2023)”.

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

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

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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:

N/A

## STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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:

Changes due to priority given to other transmission 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)
2022	1470.00	No data	No data	9.5
2021	1470.00	No data	No data	9.5
2020	1470.00	No data	No data	9.5

### 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 PLAN<sup>1</sup>

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

## REGULATORY TREATMENT

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

## NOTES

Note 1: ACER notes different implementation status of the PCI across the borders. In France the project is present in the NDP as an “under consideration” project, in Spain the project is “planned, but not yet in permitting”; Note 2: According to the information given by the promoters to the ES NRA, “the promoters are carrying out updated economic assessment and network strategy, including the latest National Development Plans, TYNDP2022 scenarios and network models. This work started in March 2021 and is currently ongoing with its finalization expected in June 2022. In addition, detailed field studies will be carried out for concluding feasibility and cost estimations once the authorizations for the Biscay Gulf project are granted (expected in 2023)”.

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# Hydro-pumped electricity storage Navaleo (ES)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### PCI website

No PCI website yet, but the project promoter indicated that a dedicated website is being developed and will be operating in short term.

## 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
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)
2022	340.00	No data	+15/-15	4.207
2021	340.00	No data	+15/-15	4.207
2020	304.00	No data	No data	4.207

### 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

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	Dec-2014	Oct-2015
Permit granting <sup>3</sup>	May-2011	Jun-2021
Construction	Jan-2023	Oct-2026

## REGULATORY TREATMENT

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

## NOTES

Note 1: The project promoter reported that due to specific characteristics of the project and the time response of the public administrations involved, the permit granting is taking longer than initially estimated, expecting not causing a general delay of P-PHES NAVALEO;  
Note 2: The Spanish NRA indicated that the prior administrative authorization process has not been resolved yet because the presentation of the corresponding hydraulic concession by the developer is still pending.

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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



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

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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 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
2022	Permitting	Delayed	Dec-2027
2021	Permitting	-	Dec-2026
2020	-	-	-
2019	-	-	-

### 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)
2022	99.00	0	+15/-15	2
2021	84.00	-	+15/-15	2
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

Public consultation; Other works or activities

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	Dec-2014	Jun-2015
Permit granting <sup>3</sup>	Jul-2015	N/A
Construction	Jan-2024	Oct-2027

## REGULATORY TREATMENT

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

## NOTES

For PCIs which are new on the 2021 PCI list, for the status, commissioning date and costs as of 2021 the data available in the TYNDP 2020 has been accounted for. ; Note 2: The project promoter indicated that due to specific characteristics of the project and the time response of the public administrations involved, the permit granting is taking longer time than initially estimated, expecting not causing a general delay of P-PHES VELILLA

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# Silvermines Hydroelectric Power Station (IE)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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
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:

Delays due to financing 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)
2022	617.00	No data	No data	14.2
2021	617.00	No data	No data	14.2
2020	617.00	No data	No data	14.2

### 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

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	Apr-2021	Dec-2023
Permit granting <sup>3</sup>	Oct-2021	Mar-2024
Construction	Jun-2025	Dec-2028

## REGULATORY TREATMENT

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

## NOTES

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<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# Hydro Pump Storage Riedl (DE)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### PCI website

<https://www.verbund.com/de-at/ueber-verbund/kraftwerke/unsere-kraftwerke/energiespeicher-riedl>

## 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
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: Secondary expertise and documents were additionally demanded by the authorities.

## 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)
2022	386.00	0	+5/-5	2.97
2021	386.00	0	+5/-5	2.97
2020	386.00	No data	+5/-5	2.97

### 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

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	Dec-2016	Feb-2022
Permit granting <sup>3</sup>	Oct-2012	Oct-2023
Construction	Oct-2024	Jan-2029

## REGULATORY TREATMENT

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

## NOTES

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<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

<sup>6</sup> 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 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### PCI website

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

## TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

Nominal power has been increased from 2000 MW to 2400 MW to maximise the transmission capacity to its technically feasible maximum.

## 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
2022	Permitting	Rescheduled	Jul-2027
2021	Permitting	-	Dec-2025
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.

## 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)
2022	2860.00	0	+10/-10	23
2021	2300.00	-	+10/-10	18.4
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

Identification of alternative solutions / site identification; Public consultation; Preparation of permitting files, contracts and other documents

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	Nov-2012	Jul-2013
Permit granting <sup>3</sup>	Oct-2021	Oct-2024
Construction	Jun-2024	Jul-2027

## REGULATORY TREATMENT

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

## NOTES

For PCIs which are new on the 2021 PCI list, for the status, commissioning date and costs as of 2021 the data available in the TYNDP 2020 has been accounted for.

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

<sup>6</sup> 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 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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
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:

Expansion of the project scope (addition of empty tube/ cable tube).

## 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)
2022	2936.00	0	+10/-10	24
2021	2646.00	-	+10/-10	21.2
2020	-	-	-	-

### 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; Public consultation; Preparation of permitting files, contracts and other documents

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	Dec-2019	Aug-2015
Permit granting <sup>3</sup>	Oct-2025	Dec-2028
Construction	Dec-2028	Sep-2032

## REGULATORY TREATMENT

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

## NOTES

Note 1: For PCIs which are new on the 2021 PCI list, for the status, commissioning date and costs as of 2021 the data available in the TYNDP 2020 has been accounted for.; Note 2: The HVDC corridor from Northern Germany to Western Germany is now solely promoted by Amprion, as the project participation by TenneT ended in 2021; Note 2: The project promoter notes that according to the TEN-E Regulation Article 10 (1), the project has not entered the status of "permitting" yet. Nonetheless, several activities with respect to planning and permitting (the so-called "Bundesfachplanung") - which have to be conducted according to German Law before the permitting phase according to the TEN-E Regulation begins - have already been started and to some extent completed.

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

<sup>6</sup> 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 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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
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:

Expansion of the project scope (addition of empty tube/ cable tube).

## 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)
2022	4061.00	0	+10/-10	33
2021	1735.00	-	+10/-10	13.9
2020	-	-	-	-

### 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; Public consultation; Preparation of permitting files, contracts and other documents

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

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

## REGULATORY TREATMENT

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

## NOTES

Note 1: For PCIs which are new on the 2021 PCI list, for the status, commissioning date and costs as of 2021 the data available in the TYNDP 2020 has been accounted for.; Note 2: The HVDC corridor from Northern Germany to Western Germany is now solely promoted by Amprion, as the project participation by TenneT ended in 2021.

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# Interconnection between Lonny (FR) and Gramme (BE)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### PCI website

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

## TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported

## INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is present as an "under consideration" investment in the NDPs

### Reason for non-inclusion:

N/A

## STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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)
2022	105.00	0	+20/-20	0.1
2021	90.00	-	+25/-25	0.1
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; Negotiations with landowners and land acquisition

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	Sep-2022	Jun-2023
Permit granting <sup>3</sup>	Jun-2023	Jun-2028
Construction	Jun-2028	Dec-2030

## REGULATORY TREATMENT

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

## NOTES

For PCIs which are new on the 2021 PCI list, for the status, commissioning date and costs as of 2021 the data available in the TYNDP 2020 has been accounted for.

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

<sup>6</sup> 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 2022

### 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 2022

#### Reporting period

1 February 2021 - 31 January 2022

#### PCI website

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

### 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
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:

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)
2022	600.00	No data	No data	1.5
2021	600.00	No data	No data	3
2020	600.00	No data	No data	3

#### 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; Public consultation; Preparation of permitting files, contracts and other documents; Negotiations with landowners and land acquisition

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	Dec-2016	Feb-2020
Permit granting <sup>3</sup>	Apr-2022	Dec-2023
Construction	Jan-2024	Sep-2027

## REGULATORY TREATMENT

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

## NOTES

Note 1: The PCI number of the project has changed from 3.27 in the 4th PCI list to 2.33 in the 5th PCI list, as such the project has also moved from the NSI East priority corridor to the NSI West priority corridor; Note 2: The project promoters indicated that due to finalization of feasibility studies and in light of market and contest situation, they are going to review the project investment costs.

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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



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

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### PCI website

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

## 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
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:

Scheduling difficulties exist in particular due to a lack of capacity at approval authorities and increased planning effort due to the planned cable sections.

## 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)
2022	523.00	0	+20/-10	3
2021	523.00	0	+20/-10	3
2020	375.00	0	+10/-10	9.28

### 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; 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 PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	No data	Mar-2021
Permit granting <sup>3</sup>	Nov-2013	Dec-2022
Construction	Oct-2021	Dec-2025

## REGULATORY TREATMENT

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

## NOTES

-

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# Internal line between St. Peter and Tauern (AT)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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
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)
2022	899.00	No data	+10/-10	4
2021	899.00	No data	+10/-10	4
2020	890.00	No data	+10/-10	4

### Reasons for changes in cost data during the reporting period:

N/A

## WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Construction

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	Dec-2011	Dec-2011
Permit granting <sup>3</sup>	Sep-2012	Feb-2019
Construction	Sep-2019	Dec-2025

## REGULATORY TREATMENT

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

## NOTES

-

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# Internal line between Westtirol and Zell-Ziller (AT)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### PCI website

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

## 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
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:

Delays due to technological reasons: Identification of alternativ routes and technical solutions.

## 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)
2022	45.00	No data	+10/-10	1
2021	45.00	No data	+10/-10	1
2020	125.00	No data	+10/-10	1

### Reasons for changes in cost data during the reporting period:

N/A

## WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: technical feasibility

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

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

## REGULATORY TREATMENT

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

## NOTES

ACER notes that the TYNDP project code for the project has changed from 47 in TYNDP 2018 to 1054 in TYNDP 2020.

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# Interconnection between Hadera (IL) and Kofinou (CY)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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 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
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)
2022	790.00	No data	+10/-10	7.9
2021	790.00	No data	+10/-10	7.9
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; Tendering

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	No data	No data
Permit granting <sup>3</sup>	Jul-2017	Dec-2021
Construction	Aug-2022	Jun-2026

## REGULATORY TREATMENT

Exemption <sup>4</sup>	The project promoter(s) have not submitted such a request
Cross Border Cost Allocation <sup>5</sup>	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 <sup>6</sup>	The project promoter(s) have not submitted such a request

## NOTES

The information provided refers to the first stage (1000 MW) of the project

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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



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

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### PCI website

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

## TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

A small change in distance due to the change of the connection point in Crete (Greece) from Korakia to Damasta

## 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
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)
2022	1575.00	No data	+5/-5	15.6
2021	1575.00	No data	+10/-10	15.6
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; Detailed technical design; Tendering

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	No data	Jul-2017
Permit granting <sup>3</sup>	Jul-2017	Dec-2021
Construction	Aug-2022	Jun-2026

## REGULATORY TREATMENT

Exemption <sup>4</sup>	The project promoter(s) have not submitted such a request
Cross Border Cost Allocation <sup>5</sup>	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 <sup>6</sup>	The project promoter(s) have not submitted such a request

## NOTES

The information provided refers to the first stage (1000 MW) of the project

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# Internal line between Vernerov and Vitkov (CZ)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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
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)
2022	167.38	0	+15/-10	0.13
2021	121.53	0	+15/-10	0.13
2020	120.38	No data	+15/-10	0.13

### Reasons for changes in cost data during the reporting period:

Exchange rates variation, 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

Preparation of permitting files, contracts and other documents; Negotiations with landowners and land acquisition; Tendering

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

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

## REGULATORY TREATMENT

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

## NOTES

The new 400/110kV substation equipped with transformers 2x350MVA has been commissioned in Dec-2020, the new 400kV double circuit OHL Vernerov-Vitkov is in permitting (expected commissioning date is Jun-2024).

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# Internal line between Vitkov and Prestice (CZ)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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
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)
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:

Exchange rates variation

## WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

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

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

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

## REGULATORY TREATMENT

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

## NOTES

-

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# Internal line between Prestice and Kocin (CZ)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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
2022	Under construction	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)
2022	347.62	0	+15/-10	0.07
2021	327.69	0	+15/-10	0.07
2020	315.68	No data	+15/-10	0.07

### Reasons for changes in cost data during the reporting period:

Exchange rates variation

## WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Preparation of permitting files, contracts and other documents; Negotiations with landowners and land acquisition; Construction

### CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	May-2012	Dec-2012
Permit granting <sup>3</sup>	Jul-2016	Jun-2021
Construction	Feb-2022	Nov-2028

### REGULATORY TREATMENT

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

### NOTES

The project promoter reported that the OHL 400 kV Prestice - Kocin is in permitting, the upgrade/extension of Kocin substation 400/110kV is under construction.

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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



# Internal line between Kocin and Mirovka (CZ)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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
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: On 3rd February 2022 the Ministry of Regional Development (MRD) granted the zonal permit decision which has not become into force because of received objections. These objections will be 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)
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:

Exchange rates variation

## WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

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

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	May-2012	Dec-2012
Permit granting <sup>3</sup>	Jan-2016	Jun-2022
Construction	Oct-2024	Oct-2028

## REGULATORY TREATMENT

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

## NOTES

-

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

<sup>6</sup> 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 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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
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:

PERMITTING - National law changes affecting permitting: After the German legislator approved an additional HVDC cable system to become part of the federal infrastructure development (Bundesbedarfsplangesetz), the competent authority decided to merge, where feasible, ongoing permit applications in order to accelerate the overall permitting and construction procedures. While in total the merging of permitting procedures should lead to an acceleration of the infrastructure development, this change is a driver for the prolongation of the permitting process of this PCI.

## 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)
2022	4220.00	No data	+20/-20	33.8
2021	4220.00	No data	+20/-20	33.8
2020	2800.00	No data	+75/-20	22.4

### 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; 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

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	May-2012	Jul-2013
Permit granting <sup>3</sup>	Jan-2020	Nov-2024
Construction	Apr-2024	Dec-2027

## REGULATORY TREATMENT

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

## NOTES

-

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# Internal line between Krajnik and Baczyna (PL)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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
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:

In 2020, the contract with the previous contractor was terminated causing a delay of the project. The new commissioning date has been set following the contract with the new contractor.

## 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)
2022	63.90	0	+20/-10	0.12
2021	62.95	0	+20/-10	No data
2020	64.86	No data	No data	No data

### 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

Construction

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

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

## REGULATORY TREATMENT

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

## NOTES

Note 1: As the construction of the Baczyna substation is delayed (to be commissioned by Aug-2025) compared to the construction of the Krajnik-Baczyna line, in order to start the Krajnik-Plewiska line as soon as possible, a connector connecting the Krajnik-Baczyna and Baczyna-Plewiska lines will be constructed in the foreground of the Baczyna substation. The completion of this part of the line connection resulted in a delay in commissioning of the Krajnik-Baczyna line (to be commissioned in Jul-2023). In order to connect both parts of the line, the construction of the Baczyna-Plewiska line was accelerated (to be commissioned in Sep-2023). Note 2: The permit granting process has been restarted from Jan-2021 due to the termination of the contract with the previous contractor in 2020.

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# Internal line between Mikułowa and Świebodzice (PL)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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
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:

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)
2022	83.02	0	+20/-10	0.206
2021	81.87	0	+20/-10	0.206
2020	59.76	No data	No data	0

### 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

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

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

## REGULATORY TREATMENT

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

## NOTES

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<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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



# Internal line between Baczyna and Plewiska (PL)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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
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:

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)
2022	85.09	0	+0/-0	0.266
2021	60.03	0	+0/-0	0.266
2020	57.66	No data	No data	0

### Reasons for changes in cost data during the reporting period:

Previous data was erroneous: the costs of expanding the existing Plewiska substation for the introduction of the new Baczyna-Plewiska line were not included by mistake.

## WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Construction

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

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

## REGULATORY TREATMENT

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

## NOTES

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<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# Interconnection between Resita (RO) and Pancevo (RS)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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](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 Reșița substation.

## STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2022	Construction works finalised	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)
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

In early 2020, Transelectrica analyzed several variants of commissioning of the 400 kV OHL Resita-Pancevo in order to commercialize it from a commercial point of view. The best solution was deemed to be a variant of 400 kV operation by means of one circuit of the interconnection line will be put into operation at the end of 2022 or at the beginning of 2023 through a temporary solution by installing a 400 MVA, 400/220 kV autotransformer (AT) in 400 kV substation Resita and using one 400 kV mobile bay.

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

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

## REGULATORY TREATMENT

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

## NOTES

The project promoter indicated that the execution works on Romanian side have been completed in Mar-2018 and on Serbian side in Dec-2017. The commercial operation will start after the completion of the 400 kV Reșița substation. One circuit of the interconnection line will be put into operation at the end of 2022 or at the beginning of 2023 through a temporary solution by installing a 400 MVA, 400/220 kV autotransformer (AT) in 400 kV substation Resita and using one 400 kV mobile bay.

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# Internal line between Portile de Fier and Resita (RO)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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
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)
2022	50.00	0	No data	0.37
2021	50.00	0	No data	0.37
2020	46.00	No data	No data	0.332

### Reasons for changes in cost data during the reporting period:

N/A

## WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Construction

### CURRENT IMPLEMENTATION PLAN<sup>1</sup>

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

### REGULATORY TREATMENT

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

### NOTES

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<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# Internal line between Resita and Timisoara/ Sacalaz (RO)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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
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:

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)
2022	65.00	0	No data	0.42
2021	51.00	0	No data	0.35
2020	32.00	No data	No data	0.23

### 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; Construction

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	Sep-2018	Feb-2019
Permit granting <sup>3</sup>	Oct-2017	May-2021
Construction	Jan-2020	Dec-2025

## REGULATORY TREATMENT

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

## NOTES

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<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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



# Internal line between Arad and Timisoara/Sacalaz (RO)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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
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:

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)
2022	50.60	No data	No data	0.25
2021	43.00	No data	No data	0.344
2020	43.00	No data	No data	0.344

### 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

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	No data	No data
Permit granting <sup>3</sup>	N/A	N/A
Construction	Dec-2022	Dec-2027

## REGULATORY TREATMENT

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

## NOTES

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<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# Hydro-pumped electricity storage in Amfilochia (EL)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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
2022	Permitting	Delayed	Dec-2025
2021	Permitting	On time	Dec-2024
2020	Permitting	Delayed	Dec-2024
2019	Permitting		Jun-2024

### Main reason for rescheduling/delay during the reporting period:

Delays due to financing reasons: the project promoter indicated need for project funding

## 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)
2022	550.00	10	+10/-0	16.5
2021	550.00	10	+10/-0	16.5
2020	502.00	20	+5/-0	10.45

### Reasons for changes in cost data during the reporting period:

N/A

## WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Negotiations with landowners and land acquisition; Other works or activities

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	Dec-2009	Aug-2012
Permit granting <sup>3</sup>	May-2015	Jun-2022
Construction	Jul-2022	Oct-2025

## REGULATORY TREATMENT

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

## NOTES

The later CAPEX of 10 million EUR was calculated for the 25 years assessment period.

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# Internal line within Austria between Lienz and Obersielach

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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 included in the relevant NDP(s)

### Reason for non-inclusion:

N/A

## STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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:

Delays due to technological reasons: Identification of alternativ routes and possibilities for the additional integration of new storage projects.

## 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)
2022	175.00	0	+10/no data	1.4
2021	175.00	-	+10/no data	1.4
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

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

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

## REGULATORY TREATMENT

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

## NOTES

For PCIs which are new on the 2021 PCI list, for the status, commissioning date and costs as of 2021 the data available in the TYNDP 2020 has been accounted for.

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# Internal line between Ekhyddan and Nybro/ Hemsjö (SE)

PCI MONITORING 2022

## GENERAL DATA

### Project promoters

Svenska Kraftnät (SvK)

### PCI number

4.4.2

### EU TYNDP 2020 project code

124 (different clustering in TYNDP)

### Project category

Transmission

### Priority corridor

BEMIP

### Hosting countries

Sweden (SE)

### Reference date

31 January 2022

### Reporting period

1 February 2021 - 31 January 2022

### PCI website

<https://www.svk.se/en/grid-development/grid-projects/ekhyddan-nybro/> <https://www.svk.se/en/grid-development/grid-projects/nybro-hemsjo/>

## 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
2022	Permitting	Delayed	Oct-2027
2021	Permitting	On time	Mar-2025
2020	Permitting	Delayed	Mar-2025
2019	Permitting		no data

### Main reason for rescheduling/delay during the reporting period:

Delays due to lawsuits and court proceedings

## 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)
2022	256.00	No data	+12/-12	0.1
2021	256.00	No data	No data	0.1
2020	256.00	No data	No data	0.1

### Reasons for changes in cost data during the reporting period:

N/A

## WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

Negotiations with landowners and land acquisition; Detailed technical design

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	No data	Feb-2014
Permit granting <sup>3</sup>	Sep-2015	No data
Construction	Sep-2023	Apr-2027

## REGULATORY TREATMENT

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

## NOTES

Part 1 Ekhyddan - Nybro starts construction in Oct-2024 and expected to be commissioned in Apr-2027. Part 2 Nybro - Hemsjö starts construction in Sep-2023 and expected to be commissioned in Sep-2026.

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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



# Internal line between Stanisławów and Ostrołęka(PL)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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
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)
2022	52.92	0	+0/-0	0.25
2021	53.43	0	+0/-0	0.25
2020	52.19	No data	No data	0.25

### 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

Construction

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

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

## REGULATORY TREATMENT

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

## NOTES

-

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# Hydro-pumped electricity storage in Estonia

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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
2022	Permitting	Delayed	Nov-2029
2021	Permitting	On time	May-2028
2020	Permitting	On time	May-2028
2019	Permitting		May-2028

### Main reason for rescheduling/delay during the reporting period:

Delays due to financing reasons; Structuring the Project has been more challenging than expected due to the innovative setup of the Project. Delays in studies, investigations and design works due to COVID restrictions which have caused the delays in permitting for 9 months

## 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)
2022	496.00	No data	+15/-15	6.5
2021	496.00	No data	+15/-15	6.5
2020	496.00	No data	+15/-15	6.5

### 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; STUDY: socio-economic feasibility;  
Public consultation; Preparation of permitting files, contracts and other documents;  
Negotiations with landowners and land acquisition; Detailed technical design; Preparatory works for construction (e.g. land preparation)

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	Oct-2016	Mar-2018
Permit granting <sup>3</sup>	Oct-2016	Apr-2022
Construction	May-2023	Mar-2029

## REGULATORY TREATMENT

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

\*The project promoter reported that total CAPEX is 610 million Euro, but granite aggregates sales form as an integral part of the PHS business model, which is not included in this figure. The total CAPEX minus revenues from sales of aggregates is 496 million EUR.

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# Interconnection between Tartu (EE) and Valmiera (LV)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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

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
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)
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:

N/A

## WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

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

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

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

## REGULATORY TREATMENT

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

## NOTES

-

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# Interconnection between Lithuania and Poland [currently known as "Harmony Link"]

PCI MONITORING 2022

## 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)

### Reference date

31 January 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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
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:

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)
2022	682.60	0	+0/-0	3.394
2021	682.60	0	+0/-0	3.394
2020	280.49	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

STUDY: environmental; STUDY: technical feasibility; Public consultation; Other works or activities

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	Dec-2019	Sep-2022
Permit granting <sup>3</sup>	Jun-2019	Dec-2023
Construction	Jan-2024	Dec-2025

## REGULATORY TREATMENT

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

## NOTES

-

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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



# New 330kV Mūša substation (LT)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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
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)
2022	6.14	No data	No data	0.006
2021	6.14	No data	No data	0.006
2020	6.14	No data	No data	0

### Reasons for changes in cost data during the reporting period:

N/A

## WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: spatial planning; Public consultation; Preparation of permitting files, contracts and other documents; Negotiations with landowners and land acquisition; Tendering; Other works or activities

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	Dec-2019	Sep-2022
Permit granting <sup>3</sup>	Jun-2019	Sep-2023
Construction	Oct-2023	Sep-2025

## REGULATORY TREATMENT

Exemption <sup>4</sup>	The project promoter has not submitted such a request
Cross Border Cost Allocation <sup>5</sup>	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 <sup>6</sup>	The project promoter has not submitted such a request

## NOTES

-

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# Internal line between Bitenai and KHAE (LT)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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
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)
2022	42.07	No data	No data	0.042
2021	42.07	No data	No data	0.042
2020	42.07	No data	No data	0

### 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; Detailed technical design; Tendering

### CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	Nov-2019	May-2021
Permit granting <sup>3</sup>	Jun-2019	Mar-2023
Construction	Jan-2022	Sep-2025

### REGULATORY TREATMENT

Exemption <sup>4</sup>	The project promoter has not submitted such a request
Cross Border Cost Allocation <sup>5</sup>	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 <sup>6</sup>	The project promoter has not submitted such a request

### NOTES

-

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# New 330kV Darbėnai substation (LT)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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
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:

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)
2022	15.90	No data	No data	0.012
2021	11.99	No data	No data	0.012
2020	11.99	No data	No data	0

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

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	Dec-2019	Sep-2022
Permit granting <sup>3</sup>	Jun-2019	Sep-2022
Construction	Sep-2022	Jul-2024

## REGULATORY TREATMENT

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

## NOTES

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<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# Internal line between Darbenai and Bitenai (LT)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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
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)
2022	62.76	No data	No data	0.063
2021	62.76	No data	No data	0.063
2020	62.76	No data	No data	0

### 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; Detailed technical design; Tendering

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	Nov-2019	May-2021
Permit granting <sup>3</sup>	Jun-2019	Nov-2022
Construction	Jan-2022	May-2025

## REGULATORY TREATMENT

Exemption <sup>4</sup>	The project promoter has not submitted such a request
Cross Border Cost Allocation <sup>5</sup>	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 <sup>6</sup>	The project promoter has not submitted such a request

## NOTES

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<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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



# Internal line between Dunowo and Żydowo Kierzkowo (PL)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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
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)
2022				
2021				
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; Preparation of permitting files, contracts and other documents

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

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

## REGULATORY TREATMENT

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

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# Internal line between Piła Krzewina and Żydowo Kierzkowo (PL)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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
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)
2022				
2021				
2020				

### Reasons for changes in cost data during the reporting period:

Previous data was erroneous: the costs of expanding the existing Piła Krzewina substation for the introduction of the new Żydowo Kierzkowo - Piła Krzewina line were not included by mistake.

## WORKS/ACTIVITIES CARRIED OUT DURING THE REPORTING PERIOD

STUDY: technical feasibility; Preparation of permitting files, contracts and other documents

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

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

## REGULATORY TREATMENT

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

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# Internal line between Balti and Tartu (EE)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### PCI website

<https://elering.ee/sunkroniseerimine>

## 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
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:

Changes due to complementarity with other rescheduled transmission investments: input lines to Mustvee substations had to be reconstructed and one new line had to be built.

## 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)
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

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 PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	Jan-2015	Aug-2015
Permit granting <sup>3</sup>	No data	Sep-2018
Construction	Dec-2020	Jun-2023

## REGULATORY TREATMENT

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

## NOTES

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<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# Internal line between Krajnik and Morzyczyn (PL)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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
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)
2022	0.71	0	+20/-10	0.04
2021	0.73	0	+20/-10	0.04
2020	1.23	No data	No data	0

### 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 PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	No data	No data
Permit granting <sup>3</sup>	N/A	N/A
Construction	Sep-2021	Nov-2022

## REGULATORY TREATMENT

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

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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



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

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### PCI website

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

## TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

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## 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
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:

Delays due to technological reasons: Due to the entering of the Slupsk - Żarnowiec line to the Choczewo substation, the modernization of the line from the Slupsk substation to tower No. 353 is planned. The section from tower No. 353 to Żarnowiec substation was excluded from the modernization. The new Choczewo substation will be connected to the Żarnowiec substation by new lines.

## 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)
2022	12.95	0	+20/-10	0.3
2021	11.49	0	+20/-10	0.3
2020	11.03	No data	No data	0

### 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; Preparation of permitting files, contracts and other documents;  
Construction

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	No data	#N/A
Permit granting <sup>3</sup>	N/A	N/A
Construction	Sep-2021	May-2026

## REGULATORY TREATMENT

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

## NOTES

Note 1: 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; Note 2: 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 is already under construction, 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.

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

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

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### PCI website

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

## TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

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## 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
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:

Delays due to technological reasons: Due to the occurring noise violations of the line operation, it is necessary to adjust the noise level to the required standards by reconstructing the line along its entire length and extending the technological belt.

## 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)
2022	3.92	0	+20/-10	0.1
2021	3.85	0	+20/-10	0.1
2020	3.62	No data	No data	0

### 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 PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	No data	#N/A
Permit granting <sup>3</sup>	N/A	N/A
Construction	May-2022	Dec-2025

## REGULATORY TREATMENT

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

## NOTES

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<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

<sup>6</sup> 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 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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
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)
2022	222.00	No data	no data/-0	3
2021	253.58	No data	+13/-0	4.5
2020	333.00	No data	+5/-5	4.5

### 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

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

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	Jan-2018	Nov-2019
Permit granting <sup>3</sup>	Sep-2019	Dec-2022
Construction	Sep-2021	Nov-2025

## REGULATORY TREATMENT

Exemption <sup>4</sup>	The project promoter(s) have not submitted such a request
Cross Border Cost Allocation <sup>5</sup>	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 Ventspils 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 <sup>6</sup>	The project promoter(s) have not submitted such a request

## NOTES

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<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# Interconnection between Tsirguliina (EE) and Valmiera (LV)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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
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:

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

## COST DATA

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

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

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

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

## REGULATORY TREATMENT

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

## NOTES

-

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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



# Internal line between Viru and Tsirguliina (EE)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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](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 neither included nor present in the relevant NDP(s)

### Reason for non-inclusion:

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## STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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)
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

Detailed technical design

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

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

## REGULATORY TREATMENT

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

## NOTES

The status of the project in 2019 and in 2020 was erroneously reported in previous year's project sheets.

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# Internal line between Paide and Sindi (EE)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### PCI website

[https://elering.ee/sites/default/files/public/infokeskus/elering\\_vka\\_2019\\_web\\_final2.pdf](https://elering.ee/sites/default/files/public/infokeskus/elering_vka_2019_web_final2.pdf)

## TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

The project promoter reported the need of reconstruction of current PCI as related to offshore grid development and offshore wind integration and that the project should be moved from the Baltic synchronisation project under a new project EE-LV 4th offshore/ hybrid interconnection. The new project will be 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.

## 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
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)
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 PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	No data	No data
Permit granting <sup>3</sup>	No data	No data
Construction	No data	No data

## REGULATORY TREATMENT

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

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# Internal line between Vilnius and Neris (LT)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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
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)
2022	23.81	No data	+0/no data	0.024
2021	23.81	No data	No data	0.024
2020	23.81	No data	No data	0

### 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; Preparation of permitting files, contracts and other documents; Tendering

### CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	May-2019	May-2021
Permit granting <sup>3</sup>	Jun-2019	Mar-2023
Construction	Mar-2023	May-2025

### REGULATORY TREATMENT

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

### NOTES

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<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

<sup>6</sup> 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 2022

### 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 2022

#### Reporting period

1 February 2021 - 31 January 2022

#### 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
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)
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:

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

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	Jan-2015	Aug-2015
Permit granting <sup>3</sup>	Jun-2019	Dec-2022
Construction	Mar-2020	Nov-2025

## REGULATORY TREATMENT

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

## NOTES

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<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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



# Interconnection between northern Finland and northern Sweden

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### PCI website

<https://www.fingrid.fi/en/grid/construction/cross-border-connections/Aurora-Line-new-finland-sweden-interconnector/>

## TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

Slight update of the route length according to the latest plans.

## 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
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)
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:

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

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	No data	No data
Permit granting <sup>3</sup>	No data	Sep-2023
Construction	Jan-2023	Dec-2025

## REGULATORY TREATMENT

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

## NOTES

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<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# Internal line between Keminmaa and Pyhänselkä (FI)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### PCI website

<https://www.fingrid.fi/en/grid/construction/cross-border-connections/Aurora-Line-new-finland-sweden-interconnector/>

## TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

No technical modification was reported.

## INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

The project is included in the relevant NDP(s)

### Reason for non-inclusion:

N/A

## STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
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)
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

### 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; Tendering

### CURRENT IMPLEMENTATION PLAN<sup>1</sup>

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

### REGULATORY TREATMENT

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

### NOTES

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<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

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

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### PCI website

<https://tinov.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
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)
2022	799.00	0	+15/-15	12
2021	799.00	-	+15/-15	12
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 PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	Jan-2025	Jun-2028
Permit granting <sup>3</sup>	Jan-2025	Jun-2028
Construction	Jan-2031	Dec-2035

## REGULATORY TREATMENT

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

## NOTES

For PCIs which are new on the 2021 PCI list, for the status, commissioning date and costs as of 2021 the data available in the TYNDP 2020 has been accounted for; Note 2: The project promoter reported that the project is at an early stage and the schedule is subject to study this year and depends on regulatory, grid connection and partnering progress, and consequently the project schedule presented at the time of application for PCI status has not been amended.

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# ACON (CZ, SK) (Again COnnected Networks)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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
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:

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)
2022	269.75	0	+15/-5	2.514
2021	269.75	0	+5/-5	2.164
2020	269.85	0	+5/-5	1.268

### Reasons for changes in cost data during the reporting period:

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; 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 PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	No data	Sep-2018
Permit granting <sup>3</sup>	Oct-2019	Dec-2023
Construction	Oct-2018	Oct-2024

## REGULATORY TREATMENT

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

## NOTES

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<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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



# Danube InGrid (HU, SK)

PCI MONITORING 2022

## GENERAL DATA

### Project promoters

E.ON Észak-dunántúli Áramhálózáti 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### PCI website

<https://danubeingrid.eu/>

## TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

The project scope has been extended by including a second part. The region is almost twice as big as it was before: it covers not only Northwestern Hungary but also Budapest, Pest county and the North-eastern Hungarian Region. The activities cover same logic for both parts + some new devices. New activities cover also reactive power management (e.g. shunt reactors), energy storage systems.

## 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
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:

The scope of the project has changed. The project has 2 parts: the 1st part is already under construction and a new 2nd part with new project promoters in Slovakia (VSD) and Hungary (ELMU, EMASZ) is in the design phase with the intention to start the implementation in 2023.

## 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)
2022	478.00	No data	+15/-5	1.28
2021	291.00	No data	+5/-5	0.569
2020	291.00	No data	+5/-5	0

### 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; 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 PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	No data	Dec-2023
Permit granting <sup>3</sup>	May-2020	Dec-2027
Construction	Jun-2020	Dec-2029

## REGULATORY TREATMENT

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

## NOTES

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<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# CARMEN (HU, RO)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### PCI website

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

## TECHNICAL MODIFICATIONS DURING THE REPORTING PERIOD

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## INCLUSION IN THE NATIONAL DEVELOPMENT PLAN

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

### Reason for non-inclusion:

In Romania the TSO part is included in the NDP, while the DSO part is normally not included in the NDP. In Hungary the project is not advanced enough to be included yet.

## STATUS AND PROGRESS OF THE PROJECT

Year	Status	Annual progress	Commissioning date
2022	Under consideration	-	Dec-2028
2021	-	-	-
2020	-	-	-
2019	-	-	-

### Main reason for rescheduling/delay during the reporting period:

-

## COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward / downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2022	148.22	0	+5/-5	0.696
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: 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 PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	No data	Jun-2022
Permit granting <sup>3</sup>	No data	No data
Construction	Jan-2023	Dec-2028

## REGULATORY TREATMENT

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

## NOTES

The project promoter reported that the project is under preparation in Hungary, while it is in planning and permitting phase in Romania.

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# Gabreta (CZ, DE)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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 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
2022	Permitting	-	Dec-2030
2021	-	-	-
2020	-	-	-
2019	-	-	-

### Main reason for rescheduling/delay during the reporting period:

-

## COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward / downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2022	672.10	0	+10/-5	2.902
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: 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 PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	Jan-2021	Dec-2026
Permit granting <sup>3</sup>	Jun-2022	Dec-2027
Construction	Jan-2023	Dec-2030

## REGULATORY TREATMENT

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

## NOTES

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<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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

# Green Switch (AT, HR, SI)

PCI MONITORING 2022

## 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 2022

### Reporting period

1 February 2021 - 31 January 2022

### 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. In Slovenia and Croatia the project is in the process of choosing the optimal technical solutions.

## STATUS AND PROGRESS OF THE PROJECT

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

### Main reason for rescheduling/delay during the reporting period:

-

## COST DATA

Year	Initial investment costs (Inception CAPEX) (mil €)	Later investment costs (Sustaining CAPEX) (mil €)	Upward / downward variation (uncertainty) of the total investment cost (%)	Annual operating expenditure (OPEX) (mil €/year)
2022	207.00	0	No data	0
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; STUDY: socio-economic feasibility;  
Identification of alternative solutions / site identification

## CURRENT IMPLEMENTATION PLAN<sup>1</sup>

	Start date	End date
Planning approval <sup>2</sup>	Jun-2022	Dec-2022
Permit granting <sup>3</sup>	No data	No data
Construction	Dec-2023	Dec-2027

## REGULATORY TREATMENT

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

## NOTES

The project promoter reported that the detailed implementation plan is currently being prepared.

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

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

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