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ANNEX

ANNEX

to

COMMISSION DELEGATED REGULATION (EU) .../...

**amending Regulation (EU) No 347/2013 of the European Parliament and of the Council
as regards the Union list of projects of common interest**

{SWD(2021) 335 final}

ANNEX

Annex VII to Regulation (EU) No 347/2013 is replaced by the following:

"Annex VII

THE UNION LIST OF PROJECTS OF COMMON INTEREST ('UNION LIST'), referred to in Article 3(4)

A. PRINCIPLES APPLIED IN ESTABLISHING THE UNION LIST

(1) Clusters of PCIs

Some PCIs form part of a cluster because of their interdependent, potentially competing or competing nature. The following types of cluster of PCIs are established:

- a **cluster of interdependent PCIs** is defined as a "Cluster X, including the following PCIs:". Such cluster has been formed to identify PCIs that are all needed to address the same bottleneck across country borders and provide synergies if implemented together. In this case, all the PCIs have to be implemented to realise the EU-wide benefits;
- a **cluster of potentially competing PCIs** is defined as a "Cluster X, including one or more of the following PCIs:". Such cluster reflects an uncertainty around the extent of the bottleneck across country borders. In this case, not all the PCIs included in the cluster have to be implemented. It is left to the market to determine whether one, several or all PCIs are to be implemented, subject to the necessary planning, permit and regulatory approvals. The need for PCIs shall be reassessed in a subsequent PCI identification process, including with regard to the capacity needs; and
- a **cluster of competing PCIs** is defined as a "Cluster X, including one of the following PCIs:". Such cluster addresses the same bottleneck. However, the extent of the bottleneck is more certain than in the case of a cluster of potentially competing PCIs, and therefore only one PCI has to be implemented. It is left to the market to determine which PCI is to be implemented, subject to the necessary planning, permit and regulatory approvals. Where necessary, the need for PCIs shall be reassessed in a subsequent PCI identification process.

All PCIs are subject to the same rights and obligations established under Regulation (EU) No 347/2013.

(2) Treatment of substations and compressor stations

Substations and back-to-back electricity stations and gas compressor stations are considered as parts of PCIs if they are geographically located on transmission lines. Substations, back-to-back stations and compressor stations are considered as stand-alone PCIs and are explicitly listed on the Union list if their geographical location is different from transmission lines. They are subject to the rights and obligations laid down in Regulation (EU) No 347/2013.

(3) Projects that are no longer considered PCIs and projects that became part of other PCIs

- Several projects included in the Union lists established by Regulation (EU) No 1391/2013, Regulation (EU) No 2016/89, Regulation (EU) No 2018/540 and

Regulation (EU) No 2020/389 are no longer considered PCIs for one or more of the following reasons:

- the project has already been commissioned or will be commissioned by March of 2022 and so it would not benefit from the provisions of Regulation (EU) No 347/2013;
- according to new data the project does not satisfy the general criteria;
- a promoter has not re-submitted the project in the selection process for this Union list;
- a Member State to whose territory the project relates has not granted its approval; or
- the project was ranked lower than other candidate PCIs in the selection process.

These projects (with the exception of the projects commissioned or to be commissioned by March 2022) may be considered for inclusion in the next Union list if the reasons for non-inclusion in the current Union list no longer apply.

Such projects are not PCIs, but are listed for reasons of transparency and clarity with their original PCI numbers in Annex VII(C) as "**Projects no longer considered PCIs**".

- Furthermore, some projects included in the Union lists established by Regulation (EU) No 1391/2013 and Regulation (EU) No 2016/89 became during their implementation process integral parts of other (clusters of) PCIs.

Such projects are no longer considered independent PCIs, but are listed for reasons of transparency and clarity with their original PCI numbers in Annex VII(C) as "**Projects that are now integral parts of other PCIs**".

B. THE UNION LIST OF PROJECTS OF COMMON INTEREST

(1) Priority Corridor Northern Seas Offshore Grid ("NSOG")

No.	Definition
1.6	France — Ireland interconnection between La Martyre (FR) and Great Island or Knockraha (IE) [currently known as "Celtic Interconnector"]
1.19	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"]
1.21	Green Hydrogen Hub Compressed Air Storage (DK)

(2) Priority Corridor North-South Electricity Interconnections in Western Europe ("NSI West Electricity")

No.	Definition
2.4	Interconnection between Codrongianos (IT), Lucciana (Corsica, FR) and Suvereto (IT) [currently known as "SACOI 3"]
2.7	Interconnection between Aquitaine (FR) and the Basque country (ES) [currently known as "Biscay Gulf"]
2.9	Internal line between Osterath and Philippsburg (DE) to increase capacity at western borders [currently known as "Ultranet"]
2.10	Internal line between Brunsbüttel/Wilster and Großgartach/ Bergrheinfeld-West (DE) to increase capacity at northern and southern borders [currently known as "Suedlink"]
2.14	Interconnection between Thusis/Sils (CH) and Verderio Inferiore (IT) [currently known as "Greenconnector"]
2.16	Cluster of internal lines in Portugal, including the following PCIs: 2.16.1 Internal line between Pedralva and Sobrado (PT), formerly designated Pedralva and Alfena (PT) 2.16.3 Internal line between Vieira do Minho, Ribeira de Pena and Feira (PT), formerly designated Frades B, Ribeira de Pena and Feira (PT)
2.17	Portugal — Spain interconnection between Beariz — Fontefría (ES), Fontefria (ES) — Ponte de Lima (PT) (formerly Vila Fria / Viana do Castelo) and Ponte de Lima — Vila Nova de Famalicão (PT) (formerly Vila do Conde) (PT), including substations in Beariz (ES), Fontefría (ES) and Ponte de Lima (PT)
2.18	Capacity increase of hydro-pumped electricity storage in Kaunertal, Tyrol (AT)
2.23	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"]
2.27	2.27.1 Interconnection between Aragón (ES) and Atlantic Pyrenees (FR) [currently known as "Pyrenean crossing 2"] 2.27.2 Interconnection between Navarra (ES) and Landes (FR) [currently known as "Pyrenean crossing 1"]
2.28	2.28.2 Hydro-pumped electricity storage Navaleo (ES) 2.28.5 Purifying – Pumped Hydroelectric Energy Storage Velilla del Río Carrión (ES)
2.29	Hydroelectric Power Station Silvermines (IE)
2.30	Hydro-pumped electricity storage Riedl (DE)
2.31	Cluster of internal lines in Germany, including the following PCIs: 2.31.1 Internal line between Emden-East to Osterath to increase capacity from Northern Germany to the Rhineland 2.31.2 Internal lines between Heide/West to Polsum to increase capacity from Northern Germany to the Ruhr-Area to increase capacity from Northern Germany to the Ruhr-Area 2.31.3 Internal lines between Wilhelmshaven to Uentrop to increase capacity from Northern Germany to the Ruhr-Area
2.32	Interconnection between Lonny (FR) and Gramme (BE)
2.33	Interconnection between Sicily (IT and Tunisia node (TU) [currently known as "ELMED"] (No. 3.27 on the fourth PCI list)

(3) Priority Corridor North-South Electricity Interconnections in Central Eastern and South Europe ("NSI East Electricity")

No.	Definition
3.1	Cluster Austria — Germany, including the following PCIs: 3.1.1 Interconnection between St. Peter (AT) and Isar (DE) 3.1.2 Internal line between St. Peter and Tauern (AT) 3.1.4 Internal line between Westtirol and Zell-Ziller (AT)
3.10	Cluster Israel — Cyprus — Greece [currently known as "EUROASIA Interconnector"], including the following PCIs: 3.10.1 Interconnection between Hadera (IL) and Kofinou (CY) 3.10.2 Interconnection between Kofinou (CY) and Korakia, Crete (EL)
3.11	Cluster of internal lines in Czechia, including the following PCIs: 3.11.1 Internal line between Vernerov and Vitkov (CZ) 3.11.2 Internal line between Vitkov and Prestice (CZ) 3.11.3 Internal line between Prestice and Kocin (CZ) 3.11.4 Internal line between Kocin and Mirovka (CZ)
3.12	Internal line in Germany between Wolmirstedt and Isarto increase internal North-South transmission capacity [currently known as SuedOstLink]
3.14	Internal reinforcements in Poland [part of the cluster currently known as "GerPol Power Bridge"], including the following PCIs: 3.14.2 Internal line between Krajnik and Baczyna (PL) 3.14.3 Internal line between Mikułowa and Świebodzice (PL) 3.14.4 Internal line between Baczyna and Plewiska (PL)
3.22	Cluster Romania — Serbia [currently known as "Mid Continental East Corridor"], including the following PCIs: 3.22.1 Interconnection between Resita (RO) and Pancevo (RS) 3.22.2 Internal line between Portile de Fier and Resita (RO) 3.22.3 Internal line between Resita and Timisoara/Sacalaz (RO) 3.22.4 Internal line between Arad and Timisoara/Sacalaz (RO)
3.24	Hydro-pumped electricity storage in Amfilochia (EL)
3.28	Internal line within Austria between Lienz and Obersielach

(4) Priority Corridor Baltic Energy Market Interconnection Plan ("BEMIP Electricity")

No.	Definition
4.4	4.4.2 Internal line between Ekhyddan and Nybro/Hemsjö (SE)
4.5	4.5.2 Internal line between Stanisławów and Ostrołęka(PL)
4.6	Hydro-pumped electricity storage in Estonia
4.8	Integration and synchronisation of the Baltic States' electricity system with the European networks, including the following PCIs: 4.8.1 Interconnection between Tartu (EE) and Valmiera (LV) 4.8.2 Internal line between Balti and Tartu (EE) 4.8.3 Interconnection between Tsirguliina (EE) and Valmiera (LV) 4.8.4 Internal line between Viru and Tsirguliina (EE) 4.8.7 Internal line between Paide and Sindi (EE) 4.8.8 Internal line between Vilnius and Neris (LT) 4.8.9 Further infrastructure aspects related to the implementation of the synchronisation of the Baltic States' system with the continental European network 4.8.10 Interconnection between Lithuania and Poland [currently known as "Harmony Link"] 4.8.13 New 330kV Mūša substation (LT) 4.8.14 Internal line between Bitenai and KHAE (LT) 4.8.15 New 330kV Darbėnai substation (LT) 4.8.16 Internal line between Darbenai and Bitenai (LT) 4.8.18 Internal line between Dunowo and Żydowo Kierzkowo (PL) 4.8.19 Internal line between Piła Krzewina and Żydowo Kierzkowo (PL) 4.8.20 Internal line between Krajnik and Morzyczyn (PL) 4.8.21 Internal line between Morzyczyn-Dunowo-Słupsk-Żarnowiec (PL) 4.8.22 Internal line between Żarnowiec-Gdańsk/Gdańsk Przyjaźń-Gdańsk Błonia (PL) 4.8.23 Synchronous condensers providing inertia, voltage stability, frequency stability and short-circuit power in Lithuania, Latvia and Estonia
4.10	Cluster Finland – Sweden [currently known as "Third interconnection Finland – Sweden"], including the following PCIs: 4.10.1 Interconnection between northern Finland and northern Sweden 4.10.2 Internal line between Keminmaa and Pyhänselkä (FI)
4.11	Interconnection between Latvia and Sweden via Gotland [currently known as "LaSGo Link"]

(5) Priority Corridor North-South Gas Interconnections in Western Europe ("NSI West Gas")

No.	Definition
5.19	Connection of Malta to the European gas network — pipeline interconnection with Italy at Gela

(6) Priority Corridor North-South Gas Interconnections in Central Eastern and South Eastern Europe ("NSI East Gas")

No.	Definition
6.2	6.2.13 Development and enhancement of transmission capacity of Slovak-Hungarian interconnector
6.8	<p>Cluster of infrastructure development and enhancement enabling the Balkan Gas Hub, including the following PCIs:</p> <p>6.8.1 Interconnection Greece — Bulgaria [currently known as "IGB"] between Komotini (EL) and Stara Zagora (BG) and compressor station at Kipi (EL)</p> <p>6.8.2 Rehabilitation, modernization and expansion of the Bulgarian transmission system</p> <p>6.8.3 Gas interconnection Bulgaria — Serbia [currently known as "IBS"]</p>
6.20	<p>Cluster increase storage capacity in South-Eastern Europe, including one or more of the following PCIs:</p> <p>6.20.2 Chiren UGS expansion (BG)</p> <p>6.20.3 South Kavala UGS facility and metering and regulating station (EL)</p> <p>and one of the following PCIs:</p> <p>6.20.4 Depomures storage in Romania</p> <p>6.20.7 Bilciuresti underground gas storage</p>
6.24	<p>Capacity increase between Romania and Hungary (currently known as "ROHU/BRUA") to enable bidirectional capacity of of 4.4 bcm/a, and including new resources from the Black Sea:</p> <p>6.24.4 ROHU/BRUA –2nd phase, including:</p> <ul style="list-style-type: none"> - Expansion of the transmission capacity in Romania from Recas to Horia towards Hungary up to 4.4 bcm/a and expansion of the compressor stations in Podisor, Bibesti and Jupa - Black Sea shore — Podișor (RO) pipeline for taking over the Black sea gas - Romanian-Hungarian reverse flow: Hungarian section 2nd stage compressor station at Csanádpalota (HU)
6.26	<p>6.26.1 Cluster Croatia — Slovenia at Rogatec, including:</p> <ul style="list-style-type: none"> - Interconnection Croatia — Slovenia (Lučko — Zabok - Rogatec) - Compressor station Kidričevo, 2nd phase of upgrade (SI) - Upgrade of Rogatec interconnection
6.27	LNG Gdansk (PL)

(7) Priority Corridor Southern Gas Corridor ("SGC")

No.	Definition
7.3	<p>PCI Cluster infrastructure to bring new gas from the East Mediterranean gas reserves, including:</p> <p>7.3.1 Pipeline from the East Mediterranean gas reserves to Greece mainland via Cyprus and Crete [currently known as "EastMed Pipeline"], with metering and regulating station at Megalopoli</p> <p>and dependent on it the following PCIs:</p> <p>7.3.3 Offshore gas pipeline connecting Greece and Italy [currently known as "Poseidon Pipeline"]</p> <p>7.3.4 Reinforcement of internal transmission capacities in Italy, including reinforcement of the South-North internal transmission capacities [currently known as "Adriatica Line"] and reinforcement of internal transmission capacities in Apulia region [Matagiola - Massafra pipeline]</p>
7.5	Development of gas infrastructure in Cyprus [currently known as "Cyprus Gas2EU"]

(8) Priority Corridor Baltic Energy Market Interconnection Plan in Gas ('BEMIP Gas')

No.	Definition
8.2	<p>Cluster infrastructure upgrade in the Eastern Baltic Sea region, including the following PCIs:</p> <p>8.2.1 Enhancement of Latvia — Lithuania interconnection</p> <p>8.2.4 Enhancement of Inčukalns Underground Gas Storage (LV)</p>
8.3	<p>Cluster infrastructure, including the following PCIs [currently known as "Baltic Pipe"]:</p> <p>8.3.1 Reinforcement of Nybro — Poland/Denmark Interconnection</p> <p>8.3.2 Poland–Denmark interconnection</p>

(9) Priority Corridor Oil Supply Connections in Central Eastern Europe ("OSC")

No oil projects were submitted for the Project of Common Interest list.

(10) Priority Thematic Area Smart Grids Deployment

No.	Definition
10.4	ACON (CZ, SK) (Again COnnected Networks) fosters the integration of the Czech and the Slovak electricity markets by improving efficiency of distribution networks while increasing cross-border capacity at DSO level.
10.7	Danube InGrid (HU, SK) enhances cross-border coordination of electricity network management, with focus on smartening data collection and exchange
10.10	CARMEN (HU, RO) improves distribution network operation efficiency and service quality and enables secure electricity flows from new renewable generation.
10.11	Gabreta (CZ, DE) enhances system optimisation by retrieving and exchanging information in

	real time, improving metering and monitoring of the grid and more flexibility and hosting capacity for renewable generation.
10.12	Green Switch (AT, HR, SI) optimises the utilisation of existing infrastructure and efficiently integrates new technologies to increase hosting capacity, efficient integration of new loads and improve quality and security of supply.

(11) Priority Thematic Area Electricity Highways

No projects were double labelled as electricity highways Project of Common Interest.

(12) Priority Thematic Area Cross-border carbon dioxide network

No.	Definition
12.3	CO2 TransPorts aims to establish infrastructure to facilitate large-scale capture, transport and storage of CO2 from Rotterdam, Antwerp and the North Sea Port
12.4	Northern lights project – a commercial CO ₂ cross-border transport connection project between several European capture initiatives (United Kingdom, Ireland, Belgium, the Netherlands, France, Sweden) and transport the captured CO ₂ by ship to a storage site on the Norwegian continental shelf
12.5	Athos project proposes an infrastructure to transport CO ₂ from industrial areas in the Netherlands and is open to receiving additional CO ₂ from others, such as Ireland and Germany Developing an open-access cross-border interoperable high-volume transportation structure is the idea.
12.7	Aramis – cross-border CO ₂ transport and storage project (intake from emitters in the hinterland of Rotterdam harbour area and storage to location on the Dutch continental shelf)
12.8	Dartagnan - CO ₂ export Multimodal HUB from Dunkirk and its hinterland (emitters from the industrial cluster in the area of Dunkirk, France with storage where available in the North Sea country territories)
12.9	Poland – EU CCS Interconnector (emitters from the industrial cluster in the area around Gdansk, Poland with storage where available in the North Sea country territories)

C. LISTS OF THE "PROJECTS NO LONGER CONSIDERED PCIS" AND OF THE "PROJECTS THAT ARE NOW INTEGRAL PARTS OF OTHER PCIS"

(1) Priority Corridor Northern Seas Offshore Grid ("NSOG")

PCI numbers of the projects no longer considered PCIs
1.1.1
1.1.2
1.1.3
1.2
1.3.1
1.3.2
1.4.1

1.4.2
1.4.3
1.5
1.7.1
1.7.2
1.7.3
1.7.4
1.7.5
1.8
1.9.1
1.9.2
1.9.3
1.9.4
1.9.5
1.9.6
1.10.1
1.10.2
1.11.1
1.11.2
1.11.3
1.11.4
1.12.1
1.12.2
1.12.3
1.12.4
1.12.5
1.13
1.14
1.15
1.16
1.17
1.18
1.20

(2) Priority Corridor North-South Electricity Interconnections in Western Europe ("NSI West Electricity")

PCI numbers of the projects no longer considered PCIs
2.1
2.2.1
2.2.2
2.2.3
2.3.1
2.3.2
2.5.1
2.5.2
2.6
2.8

2.11.1
2.11.2
2.11.3
2.12
2.13.1
2.13.2
2.14
2.15.1
2.15.2
2.15.3
2.15.4
2.16.2
2.19
2.20
2.21
2.22
2.24
2.25.1
2.25.2
2.26
2.28.3
2.28.4

Projects that are now integral parts of other PCIs	
Original PCI number of the project	Number of a PCI in which the project is now integrated
2.1	3.1.4

(3) Priority Corridor North-South Electricity Interconnections in Central Eastern and South Europe ("NSI East Electricity")

PCI numbers of the projects no longer considered PCIs
3.1.3
3.2.1
3.2.3
3.3
3.4
3.5.1
3.5.2
3.6.1
3.6.2
3.7
3.8
3.9
3.11.5
3.13
3.14.1
3.15.1

3.15.2
3.16
3.17
3.18.1
3.18.2
3.19.2
3.19.3
3.20.1
3.20.2
3.21
3.23
3.25
3.26

Projects that are now integral parts of other PCIs	
Original PCI number of the project	Number of a PCI in which the project is now integrated
3.27	2.33

(4) Priority Corridor Baltic Energy Market Interconnection Plan ("BEMIP Electricity")

PCI numbers of the projects no longer considered PCIs
4.1
4.2
4.4.1
4.5.1
4.5.3
4.5.4
4.5.5
4.7
4.8.6
4.8.11
4.8.12
4.8.17

Projects that are now integral parts of other PCIs	
Original PCI number of the project	Number of a PCI in which the project is now integrated
4.3	4.8.9
4.9	4.8.9

(5) Priority Corridor North-South Gas Interconnections in Western Europe ("NSI West Gas")

PCI numbers of the projects no longer considered PCIs
5.1.1
5.1.2
5.1.3
5.2
5.3
5.4.1
5.4.2
5.5.1
5.5.2
5.6
5.7.1
5.7.2
5.9
5.12
5.13
5.14
5.15.1
5.15.2
5.15.3
5.15.4
5.15.5
5.16
5.17.1
5.17.2
5.18
5.20
5.21

Projects that became integral parts of other PCIs	
Original PCI number of the project	Number of a PCI in which the project is now integrated
5.8.1	5.5.2
5.8.2	5.5.2

(6) Priority Corridor North-South Gas Interconnections in Central Eastern and South Eastern Europe ("NSI East Gas")

PCI numbers of the projects no longer considered PCIs
6.2.1
6.2.2
6.3
6.5.1
6.5.3
6.5.4
6.5.5

6.7
6.8.3
6.9.1
6.9.2
6.9.3
6.11
6.12
6.16
6.17
6.19
6.20.1
6.20.5
6.20.6
6.21
6.22.1
6.22.2
6.23
6.24.1
6.25.2

Projects that are now integral parts of other PCIs	
Original PCI number of the project	Number of a PCI in which the project is now integrated
6.1.1	6.2.10
6.1.2	6.2.11
6.1.3	6.2.11
6.1.4	6.2.11
6.1.5	6.2.11
6.1.6	6.2.11
6.1.7	6.2.11
6.1.8	6.2.2
6.1.9	6.2.11
6.1.10	6.2.2
6.1.11	6.2.2
6.1.12	6.2.12
6.2.3	6.2.2
6.2.4	6.2.2
6.2.5	6.2.2
6.2.6	6.2.2
6.2.7	6.2.2
6.2.8	6.2.2
6.2.9	6.2.2
6.5.2	6.5.6
6.6	6.26.1
6.8.4	6.25.4
6.13.1	6.24.4
6.13.2	6.24.4
6.13.3	6.24.4

6.14	6.24.1
6.15.1	6.24.10
6.15.2	6.24.10
6.18	7.3.4
6.24.2	6.24.1
6.24.3	6.24.1
6.24.5	6.24.4
6.24.6	6.24.4
6.24.7	6.24.4
6.24.8	6.24.4
6.24.9	6.24.4
6.25.3	6.24.10
6.26.2	6.26.1
6.26.3	6.26.1
6.26.4	6.26.1
6.26.5	6.26.1
6.26.6	6.26.1

(7) Priority Corridor Southern Gas Corridor ("SGC")

PCI numbers of the projects no longer considered PCIs
7.1.1
7.1.2
7.1.3
7.1.5
7.1.7
7.2.1
7.2.2
7.2.3
7.4.1
7.4.2

Projects that are now integral parts of other PCIs	
Original PCI number of the project	Number of a PCI in which the project is now integrated
7.1.6	7.1.3
7.1.4	7.3.3
7.3.2	7.5

(8) Priority Corridor Baltic Energy Market Interconnection Plan in Gas ("BEMIP Gas")

PCI numbers of the projects no longer considered PCIs
8.1.2.1
8.1.2.2
8.1.2.3

8.1.2.4
8.2.3
8.4
8.5
8.6
8.8

(9) Priority Corridor Oil Supply Connections in Central Eastern Europe ("OSC")

PCI numbers of the projects no longer considered PCIs
9.1
9.2
9.3
9.4
9.5
9.6

(10) Priority Thematic Area Smart Grids Deployment

PCI numbers of the projects no longer considered PCIs
10.1
10.2
10.3
10.5
10.6
10.8
10.9

(11) Priority Thematic Area Electricity Highways

PCI numbers of the projects no longer considered PCIs
1.3
1.5
1.6
1.7
1.8
1.10
1.14
1.15
1.16
1.20
2.13

(12) Priority Thematic Cross-border carbon dioxide network

PCI numbers of the projects no longer considered PCIs
12.1

12.2
12.6