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► **B** REGULATION (EU) No 347/2013 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

of 17 April 2013

on guidelines for trans-European energy infrastructure and repealing Decision No 1364/2006/EC and amending Regulations (EC) No 713/2009, (EC) No 714/2009 and (EC) No 715/2009

(Text with EEA relevance)

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► <u>M3</u>	Commission Delegated Regulation (EU) 2018/540 of 23 November 2017	L 90	38	6.4.2018
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**REGULATION (EU) No 347/2013 OF THE EUROPEAN
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**on guidelines for trans-European energy infrastructure and repealing
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CHAPTER I

GENERAL PROVISIONS

Article 1

Subject matter and scope

1. This Regulation lays down guidelines for the timely development and interoperability of priority corridors and areas of trans-European energy infrastructure set out in Annex I ('energy infrastructure priority corridors and areas').

2. In particular, this Regulation:

- (a) addresses the identification of projects of common interest necessary to implement priority corridors and areas falling under the energy infrastructure categories in electricity, gas, oil, and carbon dioxide set out in Annex II ('energy infrastructure categories');
- (b) facilitates the timely implementation of projects of common interest by streamlining, coordinating more closely, and accelerating permit granting processes and by enhancing public participation;
- (c) provides rules and guidance for the cross-border allocation of costs and risk-related incentives for projects of common interest;
- (d) determines the conditions for eligibility of projects of common interest for Union financial assistance.

Article 2

Definitions

For the purpose of this Regulation, in addition to the definitions provided for in Directives 2009/28/EC, 2009/72/EC and 2009/73/EC, Regulations (EC) No 713/2009, (EC) No 714/2009, and (EC) No 715/2009, the following definitions shall apply:

- (1) 'energy infrastructure' means any physical equipment or facility falling under the energy infrastructure categories which is located within the Union or linking the Union and one or more third countries;

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- (2) ‘comprehensive decision’ means the decision or set of decisions taken by a Member State authority or authorities not including courts or tribunals, that determines whether or not a project promoter is to be granted authorisation to build the energy infrastructure to realise a project without prejudice to any decision taken in the context of an administrative appeal procedure;
- (3) ‘project’ means one or several lines, pipelines, facilities, equipments or installations falling under the energy infrastructure categories;
- (4) ‘project of common interest’ means a project necessary to implement the energy infrastructure priority corridors and areas set out in Annex I and which is part of the Union list of projects of common interest referred to in Article 3;
- (5) ‘energy infrastructure bottleneck’ means limitation of physical flows in an energy system due to insufficient transmission capacity, which includes inter alia the absence of infrastructure;
- (6) ‘project promoter’ means one of the following:
 - (a) a TSO, distribution system operator or other operator or investor developing a project of common interest;
 - (b) where there are several TSOs, distribution system operators, other operators, investors, or any group thereof, the entity with legal personality under the applicable national law, which has been designated by contractual arrangement between them and which has the capacity to undertake legal obligations and assume financial liability on behalf of the parties to the contractual arrangement;
- (7) ‘smart grid’ means an electricity network that can integrate in a cost efficient manner the behaviour and actions of all users connected to it, including generators, consumers and those that both generate and consume, in order to ensure an economically efficient and sustainable power system with low losses and high levels of quality, security of supply and safety;
- (8) ‘works’ means the purchase, supply and deployment of components, systems and services including software, the carrying out of development and construction and installation activities relating to a project, the acceptance of installations and the launching of a project;
- (9) ‘studies’ means activities needed to prepare project implementation, such as preparatory, feasibility, evaluation, testing and validation studies, including software, and any other technical support measure including prior action to define and develop a project and decide on its financing, such as reconnaissance of the sites concerned and preparation of the financial package;

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- (10) ‘national regulatory authority’ means a national regulatory authority designated in accordance with Article 35(1) of Directive 2009/72/EC or Article 39(1) of Directive 2009/73/EC;
- (11) ‘commissioning’ means the process of bringing a project into operation once it has been constructed.

CHAPTER II

PROJECTS OF COMMON INTEREST

*Article 3***Union list of projects of common interest**

1. This Regulation establishes twelve Regional Groups (‘Groups’) as set out in Annex III.1. The membership of each Group shall be based on each priority corridor and area and their respective geographical coverage as set out in Annex I. Decision-making powers in the Groups shall be restricted to Member States and the Commission, who shall, for those purposes, be referred to as the decision-making body of the Groups.
2. Each Group shall adopt its own rules of procedure, having regard to the provisions set out in Annex III.
3. The decision-making body of each Group shall adopt a regional list of proposed projects of common interest drawn up according to the process set out in Annex III.2, according to the contribution of each project to implementing the energy infrastructure priority corridors and areas and according to their fulfilment of the criteria set out in Article 4.

When a Group draws up its regional list:

- (a) each individual proposal for a project of common interest shall require the approval of the Member States, to whose territory the project relates; if a Member State decides not to give its approval, it shall present its substantiated reasons for doing so to the Group concerned;
- (b) it shall take into account advice from the Commission that is aimed at having a manageable total number of projects of common interest.
4. The Commission shall be empowered to adopt delegated acts in accordance with Article 16 that establish the Union list of projects of common interest (‘Union list’), subject to the second paragraph of Article 172 of the TFEU. The Union list shall take the form of an annex to this Regulation.

In exercising its power, the Commission shall ensure that the Union list is established every two years, on the basis of the regional lists adopted by the decision-making bodies of the Groups as established in Annex III.1(2), following the procedure set out in paragraph 3 of this Article.

The first Union list shall be adopted by 30 September 2013.

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5. The Commission shall, when adopting the Union list on the basis of the regional lists:

- (a) ensure that only those projects that fulfil the criteria referred to in Article 4 are included;
- (b) ensure cross-regional consistency, taking into account the opinion of the Agency as referred to in Annex III.2(12);
- (c) take into account any opinions of Member States as referred to in Annex III.2(9); and
- (d) aim for a manageable total number of projects of common interest on the Union list.

6. Projects of common interest included on the Union list pursuant to paragraph 4 of this Article shall become an integral part of the relevant regional investment plans under Article 12 of Regulations (EC) No 714/2009 and (EC) No 715/2009 and of the relevant national 10-year network development plans under Article 22 of Directives 2009/72/EC and 2009/73/EC and other national infrastructure plans concerned, as appropriate. Those projects shall be conferred the highest possible priority within each of those plans.

Article 4

Criteria for projects of common interest

1. Projects of common interest shall meet the following general criteria:

- (a) the project is necessary for at least one of the energy infrastructure priority corridors and areas;
- (b) the potential overall benefits of the project, assessed according to the respective specific criteria in paragraph 2, outweigh its costs, including in the longer term; and
- (c) the project meets any of the following criteria:
 - (i) involves at least two Member States by directly crossing the border of two or more Member States;
 - (ii) is located on the territory of one Member State and has a significant cross-border impact as set out in Annex IV.1;
 - (iii) crosses the border of at least one Member State and a European Economic Area country.

2. The following specific criteria shall apply to projects of common interest falling within specific energy infrastructure categories:

- (a) for electricity transmission and storage projects falling under the energy infrastructure categories set out in Annex II.1(a) to (d), the project is to contribute significantly to at least one of the following specific criteria:
 - (i) market integration, inter alia through lifting the isolation of at least one Member State and reducing energy infrastructure bottlenecks; competition and system flexibility;

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- (ii) sustainability, inter alia through the integration of renewable energy into the grid and the transmission of renewable generation to major consumption centres and storage sites;
 - (iii) security of supply, inter alia through interoperability, appropriate connections and secure and reliable system operation;
- (b) for gas projects falling under the energy infrastructure categories set out in Annex II.2, the project is to contribute significantly to at least one of the following specific criteria:
 - (i) market integration, inter alia through lifting the isolation of at least one Member State and reducing energy infrastructure bottlenecks; interoperability and system flexibility;
 - (ii) security of supply, inter alia through appropriate connections and diversification of supply sources, supplying counterparts and routes;
 - (iii) competition, inter alia through diversification of supply sources, supplying counterparts and routes;
 - (iv) sustainability, inter alia through reducing emissions, supporting intermittent renewable generation and enhancing deployment of renewable gas;
- (c) for electricity smart grid projects falling under the energy infrastructure category set out in Annex II.1(e), the project is to contribute significantly to all of the following specific criteria:
 - (i) integration and involvement of network users with new technical requirements with regard to their electricity supply and demand;
 - (ii) efficiency and interoperability of electricity transmission and distribution in day-to-day network operation;
 - (iii) network security, system control and quality of supply;
 - (iv) optimised planning of future cost-efficient network investments;
 - (v) market functioning and customer services;
 - (vi) involvement of users in the management of their energy usage;
- (d) for oil transport projects falling under the energy infrastructure categories set out in Annex II.3, the project is to contribute significantly to all of the following specific criteria:
 - (i) security of supply reducing single supply source or route dependency;
 - (ii) efficient and sustainable use of resources through mitigation of environmental risks;
 - (iii) interoperability;

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- (e) for carbon dioxide transport projects falling under the energy infrastructure categories set out in Annex II.4, the project is contribute significantly to all of the following specific criteria:
 - (i) the avoidance of carbon dioxide emissions while maintaining security of energy supply;
 - (ii) increasing the resilience and security of carbon dioxide transport;
 - (iii) the efficient use of resources, by enabling the connection of multiple carbon dioxide sources and storage sites via common infrastructure and minimising environmental burden and risks.

3. For projects falling under the energy infrastructure categories set out in Annex II.1 to 3, the criteria listed in this Article shall be assessed in accordance with the indicators set out in Annex IV.2 to 5.

4. In order to facilitate the assessing of all projects that could be eligible as projects of common interest and that could be included in a regional list, each Group shall assess each project's contribution to the implementation of the same priority corridor or area in a transparent and objective manner. Each Group shall determine its assessment method on the basis of the aggregated contribution to the criteria referred to in paragraph 2; this assessment shall lead to a ranking of projects for internal use of the Group. Neither the regional list nor the Union list shall contain any ranking, nor shall the ranking be used for any subsequent purpose except as described in Annex III.2(14).

When assessing projects, each Group shall furthermore give due consideration to:

- (a) the urgency of each proposed project in order to meet the Union energy policy targets of market integration, inter alia through lifting the isolation of at least one Member State and competition, sustainability and security of supply;
- (b) the number of Member States affected by each project, whilst ensuring equal opportunities for projects involving peripheral Member States;
- (c) the contribution of each project to territorial cohesion; and
- (d) complementarity with regard to other proposed projects.

For smart grids projects falling under the energy infrastructure category set out in Annex II.1(e), ranking shall be carried out for those projects that affect the same two Member States, and due consideration shall also be given to the number of users affected by the project, the annual energy consumption and the share of generation from non-dispatchable resources in the area covered by these users.

Article 5

Implementation and monitoring

1. Project promoters shall draw up an implementation plan for projects of common interest, including a timetable for each of the following:

- (a) feasibility and design studies;

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(b) approval by the national regulatory authority or by any other authority concerned;

(c) construction and commissioning;

(d) the permit granting schedule referred to in Article 10(4)(b).

2. TSOs, distribution system operators and other operators shall co-operate with each other in order to facilitate the development of projects of common interest in their area.

3. The Agency and the Groups concerned shall monitor the progress achieved in implementing the projects of common interest and, if necessary, make recommendations to facilitate the implementation of projects of common interest. The Groups may request that additional information be provided in accordance with paragraphs 4, 5 and 6, convene meetings with the relevant parties and invite the Commission to verify the information provided on site.

4. By 31 March of each year following the year of inclusion of a project of common interest on the Union list pursuant to Article 3, project promoters shall submit an annual report, for each project falling under the categories set out in Annex II.1 and 2, to the competent authority referred to in Article 8 and either to the Agency or, for projects falling under the categories set out in Annex II.3 and 4, to the respective Group. That report shall give details of:

(a) the progress achieved in the development, construction and commissioning of the project, in particular with regard to permit granting and consultation procedures;

(b) where relevant, delays compared to the implementation plan, the reasons for such delays and other difficulties encountered;

(c) where relevant, a revised plan aiming at overcoming the delays.

5. Within three months of the receipt of the annual reports referred to in paragraph 4 of this Article, the Agency shall submit to the Groups a consolidated report for the projects of common interest falling under the categories set out in Annex II.1 and 2, evaluating the progress achieved and make, where appropriate, recommendations on how to overcome the delays and difficulties encountered. That consolidated report shall also evaluate, in accordance with Article 6(8) and (9) of Regulation (EC) No 713/2009, the consistent implementation of the Union-wide network development plans with regard to the energy infrastructure priority corridors and areas.

6. Each year, the competent authorities referred to in Article 8 shall report to the respective Group on the progress and, where relevant, on delays in the implementation of projects of common interest located on their respective territory with regard to the permit granting processes, and on the reasons for such delays.

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7. If the commissioning of a project of common interest is delayed compared to the implementation plan, other than for overriding reasons beyond the control of the project promoter:

- (a) in so far as measures referred to in Article 22(7)(a), (b) or (c) of Directives 2009/72/EC and 2009/73/EC are applicable according to respective national laws, national regulatory authorities shall ensure that the investment is carried out;
- (b) if the measures of national regulatory authorities according to point (a) are not applicable, the project promoter shall choose a third party to finance or construct all or part of the project. The project promoter shall do so before the delay compared to the date of commissioning in the implementation plan exceeds two years;
- (c) if a third party is not chosen according to point (b), the Member State or, when the Member State has so provided, the national regulatory authority may, within two months of the expiry of the period referred to in point (b), designate a third party to finance or construct the project which the project promoter shall accept;
- (d) if the delay compared to the date of commissioning in the implementation plan exceeds two years and two months, the Commission, subject to the agreement and with the full cooperation of the Member States concerned, may launch a call for proposals open to any third party capable of becoming a project promoter to build the project according to an agreed timeline;
- (e) when points (c) or (d) are applied, the system operator in whose area the investment is located shall provide the implementing operators or investors or third party with all the information needed to realise the investment, shall connect new assets to the transmission network and shall generally make its best efforts to facilitate the implementation of the investment and the secure, reliable and efficient operation and maintenance of the project of common interest.

8. A project of common interest may be removed from the Union list according to the procedure set out in Article 3(4) if its inclusion in that list was based on incorrect information which was a determining factor for that inclusion, or the project does not comply with Union law.

9. Projects which are no longer on the Union list shall lose all rights and obligations linked to the status of project of common interest arising from this Regulation.

However, a project which is no longer on the Union list but for which an application file has been accepted for examination by the competent authority shall maintain the rights and obligations arising from Chapter III, except where the project is no longer on the list for the reasons set out in paragraph 8.

10. This Article shall be without prejudice to any Union financial assistance granted to any project of common interest prior to its removal from the Union list.

*Article 6***European coordinators**

1. Where a project of common interest encounters significant implementation difficulties, the Commission may designate, in agreement with the Member States concerned, a European coordinator for a period of up to one year renewable twice.
2. The European coordinator shall:
 - (a) promote the projects, for which he has been designated European coordinator and the cross-border dialogue between the project promoters and all concerned stakeholders;
 - (b) assist all parties as necessary in consulting concerned stakeholders and obtaining necessary permits for the projects;
 - (c) if appropriate, advise project promoters on the financing of the project;
 - (d) ensure that appropriate support and strategic direction by the Member States concerned are provided for the preparation and implementation of the projects;
 - (e) submit every year, and if appropriate, upon completion of their mandate, a report to the Commission on the progress of the projects and on any difficulties and obstacles which are likely to significantly delay the commissioning date of the projects. The Commission shall transmit the report to the European Parliament and the Groups concerned.
3. The European coordinator shall be chosen on the basis of his experience with regard to the specific tasks assigned to him for the projects concerned.
4. The decision designating the European coordinator shall specify the terms of reference, detailing the duration of the mandate, the specific tasks and corresponding deadlines, and the methodology to be followed. The coordination effort shall be proportionate to the complexity and estimated costs of the projects.
5. The Member States concerned shall fully cooperate with the European coordinator in his execution of the tasks referred to in paragraphs 2 and 4.

CHAPTER III

PERMIT GRANTING AND PUBLIC PARTICIPATION*Article 7***'Priority status' of projects of common interest**

1. The adoption of the Union list shall establish, for the purposes of any decisions issued in the permit granting process, the necessity of these projects from an energy policy perspective, without prejudice to the exact location, routing or technology of the project.
2. For the purpose of ensuring efficient administrative processing of the application files related to projects of common interest, project promoters and all authorities concerned shall ensure that the most rapid treatment legally possible is given to these files.

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3. Where such status exists in national law, projects of common interest shall be allocated the status of the highest national significance possible and be treated as such in permit granting processes — and if national law so provides, in spatial planning — including those relating to environmental assessments, in the manner such treatment is provided for in national law applicable to the corresponding type of energy infrastructure.
4. By 16 August 2013, the Commission shall issue non-binding guidance to support Member States in defining adequate legislative and non-legislative measures to streamline the environmental assessment procedures and to ensure the coherent application of environmental assessment procedures required under Union law for projects of common interest.
5. Member States shall assess, taking due account of the guidance referred to in paragraph 4, which measures to streamline the environmental assessment procedures and to ensure their coherent application are possible, and shall inform the Commission of the result.
6. By nine months from the date of issue of the guidance referred to in paragraph 4, Member States shall take the non-legislative measures that they have identified under paragraph 5.
7. By 24 months from the date of issue of the guidance referred to in paragraph 4, Member States shall take the legislative measures that they have identified under paragraph 5. These measures shall be without prejudice to obligations resulting from Union law.
8. With regard to the environmental impacts addressed in Article 6(4) of Directive 92/43/EEC and Article 4(7) of Directive 2000/60/EC, projects of common interest shall be considered as being of public interest from an energy policy perspective, and may be considered as being of overriding public interest, provided that all the conditions set out in these Directives are fulfilled.

Should the opinion of the Commission be required in accordance with Directive 92/43/EEC, the Commission and the competent authority referred to in Article 9 of this Regulation shall ensure that the decision with regard to the overriding public interest of a project is taken within the time limit pursuant to Article 10(1) of this Regulation.

*Article 8***Organisation of the permit granting process**

1. By 16 November 2013, each Member State shall designate one national competent authority which shall be responsible for facilitating and coordinating the permit granting process for projects of common interest.
2. The responsibility of the competent authority referred to in paragraph 1 and/or the tasks related to it may be delegated to, or carried out by, another authority, per project of common interest or per particular category of projects of common interest, provided that:
 - (a) the competent authority notifies the Commission of that delegation and the information therein is published by either the competent authority or the project promoter on the website referred to in Article 9(7);

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- (b) only one authority is responsible per project of common interest, is the sole point of contact for the project promoter in the process leading to the comprehensive decision for a given project of common interest, and coordinates the submission of all relevant documents and information.

The competent authority may retain the responsibility to establish time limits, without prejudice to the time limits set in accordance with Article 10.

3. Without prejudice to relevant requirements under international and Union law, the competent authority shall take actions to facilitate the issuing of the comprehensive decision. The comprehensive decision shall be issued within the time limit referred to in Article 10(1) and (2) and according to one of the following schemes:

- (a) integrated scheme: the comprehensive decision shall be issued by the competent authority and shall be the sole legally binding decision resulting from the statutory permit granting procedure. Where other authorities are concerned by the project, they may, in accordance with national law, give their opinion as input to the procedure, which shall be taken into account by the competent authority;
- (b) coordinated scheme: the comprehensive decision comprises multiple individual legally binding decisions issued by several authorities concerned, which shall be coordinated by the competent authority. The competent authority may establish a working group where all concerned authorities are represented in order to draw up a permit granting schedule in accordance with Article 10(4)(b), and to monitor and coordinate its implementation. The competent authority shall, in consultation with the other authorities concerned, where applicable in accordance with national law, and without prejudice to time limits set in accordance with Article 10, establish on a case-by-case basis a reasonable time limit within which the individual decisions shall be issued. The competent authority may take an individual decision on behalf of another national authority concerned, if the decision by that authority is not delivered within the time limit and if the delay cannot be adequately justified; or, where provided under national law, and to the extent that this is compatible with Union law, the competent authority may consider that another national authority concerned has either given its approval or refusal for the project if the decision by that authority is not delivered within the time limit. Where provided under national law, the competent authority may disregard an individual decision of another national authority concerned if it considers that the decision is not sufficiently substantiated with regard to the underlying evidence presented by the national authority concerned; when doing so, the competent authority shall ensure that the relevant requirements under international and Union law are respected and shall duly justify its decision;
- (c) collaborative scheme: the comprehensive decision shall be coordinated by the competent authority. The competent authority shall, in consultation with the other authorities concerned, where applicable in accordance with national law, and without prejudice to time limits set in accordance with Article 10, establish on a case-by-case basis a reasonable time limit within which the individual decisions shall be issued. It shall monitor compliance with the time limits by the authorities concerned.

If an individual decision by an authority concerned is not expected to be delivered within the time limit, that authority shall inform the competent authority without delay and include a justification for the delay. Subsequently, the competent authority shall reset the time limit within which that individual decision shall be issued, whilst still complying with the overall time limits set in accordance with Article 10.

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Acknowledging the national specificities in planning and permit granting processes, Member States may choose among the three schemes referred to in points (a), (b) and (c) of the first subparagraph to facilitate and coordinate their procedures and shall opt to implement the most effective scheme. Where a Member State chooses the collaborative scheme, it shall inform the Commission of its reasons therefor. The Commission shall undertake an evaluation of the effectiveness of the schemes in the report referred to in Article 17.

4. Member States may apply different schemes as set out in paragraph 3 to onshore and offshore projects of common interest.

5. If a project of common interest requires decisions to be taken in two or more Member States, the respective competent authorities shall take all necessary steps for efficient and effective cooperation and coordination among themselves, including as regards the provisions referred to in Article 10(4). Member States shall endeavour to provide for joint procedures, particularly with regard to the assessment of environmental impacts.

*Article 9***Transparency and public participation**

1. By 16 May 2014, the Member State or competent authority shall, where applicable in collaboration with other authorities concerned, publish a manual of procedures for the permit granting process applicable to projects of common interest. The manual shall be updated as necessary and made available to the public. The manual shall at least include the information specified in Annex VI.1. The manual shall not be legally binding, but it may refer to or quote relevant legal provisions.

2. Without prejudice to any requirements under the Aarhus and Espoo Conventions and relevant Union law, all parties involved in the permit granting process shall follow the principles for public participation set out in of Annex VI.3.

3. The project promoter shall, within an indicative period of three months of the start of the permit granting process pursuant to Article 10(1)(a), draw up and submit a concept for public participation to the competent authority, following the process outlined in the manual referred to in paragraph 1 and in line with the guidelines set out in Annex VI. The competent authority shall request modifications or approve the concept for public participation within three months; in so doing, the competent authority shall take into consideration any form of public participation and consultation that took place before the start of the permit granting process, to the extent that such public participation and consultation has fulfilled the requirements of this Article.

Where the project promoter intends to make significant changes to an approved concept, it shall inform the competent authority thereof. In that case the competent authority may request modifications.

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4. At least one public consultation shall be carried out by the project promoter, or, where required by national law, by the competent authority, before submission of the final and complete application file to the competent authority pursuant to Article 10(1)(a). This shall be without prejudice to any public consultation to be carried out after submission of the request for development consent according to Article 6(2) of Directive 2011/92/EU. The public consultation shall inform stakeholders referred to in Annex VI.3(a) about the project at an early stage and shall help to identify the most suitable location or trajectory and the relevant issues to be addressed in the application file. The minimum requirements applicable to this public consultation are specified in Annex VI.5.

The project promoter shall prepare a report summarising the results of activities related to the participation of the public prior to the submission of the application file, including those activities that took place before the start of the permit granting process. The project promoter shall submit that report together with the application file to the competent authority. Due account shall be taken of these results in the comprehensive decision.

5. For projects crossing the border of two or more Member States, the public consultations pursuant to paragraph 4 in each of the Member States concerned shall take place within a period of no more than two months from the date on which the first public consultation started.

6. For projects likely to have significant adverse cross-border impacts in one or more neighbouring Member States, where Article 7 of Directive 2011/92/EU and the Espoo Convention are applicable, the relevant information shall be made available to the competent authority of the neighbouring Member States. The competent authority of the neighbouring Member States shall indicate, in the notification process where appropriate, whether it, or any other authority concerned, wishes to participate in the relevant public consultation procedures.

7. The project promoter, or, where national law so provides, the competent authority, shall establish and regularly update a website with relevant information about the project of common interest, which shall be linked to the Commission website and which shall meet the requirements specified in Annex VI.6. Commercially sensitive information shall be kept confidential.

Project promoters shall also publish relevant information by other appropriate information means to which the public has open access.

*Article 10***Duration and implementation of the permit granting process**

1. The permit granting process shall consist of two procedures:
 - (a) The pre-application procedure, covering the period between the start of the permit granting process and the acceptance of the submitted application file by the competent authority, shall take place within an indicative period of two years.

This procedure shall include the preparation of any environmental reports to be prepared by the project promoters.

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For the purpose of establishing the start of the permit granting process, the project promoters shall notify the project to the competent authority of the Member States concerned in written form, and shall include a reasonably detailed outline of the project. No later than three months following the receipt of the notification, the competent authority shall, including on behalf of other authorities concerned, acknowledge or, if it considers the project as not mature enough to enter the permit granting process, reject the notification in written form. In the event of a rejection, the competent authority shall justify its decision, including on behalf of other authorities concerned. The date of signature of the acknowledgement of the notification by the competent authority shall serve as the start of the permit granting process. Where two or more Member States are concerned, the date of the acceptance of the last notification by the competent authority concerned shall serve as the date of the start of the permit granting process.

- (b) The statutory permit granting procedure, covering the period from the date of acceptance of the submitted application file until the comprehensive decision is taken, shall not exceed one year and six months. Member States may set an earlier date for the time-limit, if considered appropriate.

2. The combined duration of the two procedures referred to in paragraph 1 shall not exceed a period of three years and six months. However, where the competent authority considers that one or both of the two procedures of the permit granting process will not be completed before the time limits as set out in paragraph 1, it may decide, before their expiry and on a case by case basis, to extend one or both of those time limits by a maximum of nine months for both procedures combined.

In that case, the competent authority shall inform the Group concerned and present to the Group concerned the measures taken or to be taken to conclude the permit granting process with the least possible delay. The Group may request the competent authority to report regularly on progress achieved in this regard.

3. In Member States where the determination of a route or location undertaken solely for the specific purpose of a planned project, including the planning of specific corridors for grid infrastructures, cannot be included in the process leading to the comprehensive decision, the corresponding decision shall be taken within a separate period of six months, starting on the date of submission of the final and complete application documents by the promoter.

In that case, the extension period referred to in paragraph 2 shall be reduced to six months, including for the procedure referred to in this paragraph.

4. The pre-application procedure shall comprise the following steps:

- (a) upon the acknowledgement of the notification pursuant to paragraph 1(a), the competent authority shall identify, in close cooperation with the other authorities concerned, and where appropriate on the basis of a proposal by the project promoter, the scope of material and level of detail of information to be submitted by the project promoter, as part of the application file, to apply for the comprehensive decision. The checklist referred to in Annex VI.1(e) shall serve as a basis for this identification;

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- (b) the competent authority shall draw up, in close cooperation with the project promoter and other authorities concerned and taking into account the results of the activities carried out under point (a), a detailed schedule for the permit granting process in line with the guidelines set out in Annex VI.(2);

For projects crossing the border between two or more Member States, the competent authorities of the Member States concerned shall prepare a joint schedule, in which they endeavour to align their timetables;

- (c) upon receipt of the draft application file, the competent authority shall, if necessary, and including on behalf of other authorities concerned, make further requests regarding missing information to be submitted by the project promoter, which may only address subjects identified under point (a). Within three months of the submission of the missing information, the competent authority shall accept for examination the application in written form. Requests for additional information may only be made if they are justified by new circumstances.

5. The project promoter shall ensure the completeness and adequate quality of the application file and seek the competent authority's opinion on this as early as possible during the pre-application procedure. The project promoter shall cooperate fully with the competent authority to meet deadlines and comply with the detailed schedule as defined in paragraph 4(b).

6. The time limits laid down in this Article shall be without prejudice to obligations arising from international and Union law, and without prejudice to administrative appeal procedures and judicial remedies before a court or tribunal.

CHAPTER IV**REGULATORY TREATMENT***Article 11***Energy system wide cost-benefit analysis**

1. By 16 November 2013, the European Network of Transmission System Operators (ENTSO) for Electricity and the ENTSO for Gas shall publish and submit to Member States, the Commission and the Agency their respective methodologies, including on network and market modelling, for a harmonised energy system-wide cost-benefit analysis at Union level for projects of common interest falling under the categories set out in Annex II.1(a) to (d) and Annex II.2. Those methodologies shall be applied for the preparation of each subsequent 10-year network development plan developed by the ENTSO for Electricity or the ENTSO for Gas pursuant to Article 8 of Regulation (EC) No 714/2009 and Article 8 of Regulation (EC) No 715/2009. The methodologies shall be drawn up in line with the principles laid down in Annex V and be consistent with the rules and indicators set out in Annex IV.

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Prior to submitting their respective methodologies, the ENTSO for Electricity and the ENTSO for Gas shall conduct an extensive consultation process involving at least the organisations representing all relevant stakeholders — and, if deemed appropriate, the stakeholders themselves — national regulatory authorities and other national authorities.

2. Within three months of the day of receipt of the methodologies, the Agency shall provide an opinion to Member States and the Commission on the methodologies and publish it.

3. Within three months of the receipt of the opinion of the Agency, the Commission shall, and Member States may, deliver an opinion on the methodologies. The opinions shall be submitted to the ENTSO for Electricity or the ENTSO for Gas.

4. Within three months of the day of receipt of the last opinion received under paragraph 3, the ENTSO for Electricity and the ENTSO for Gas shall adapt their methodologies taking due account of the opinions received from Member States, the Commission's opinion and the Agency's opinion, and submit them to the Commission for approval.

5. Within two weeks of the approval by the Commission, the ENTSO for Electricity and the ENTSO for Gas shall publish their respective methodologies on their websites. They shall transmit the corresponding input data sets as defined in Annex V.1 and other relevant network, load flow and market data in a sufficiently accurate form according to national law and relevant confidentiality agreements to the Commission and the Agency, upon request. The data shall be valid at the date of the request. The Commission and the Agency shall ensure the confidential treatment of the data received, by themselves and by any party carrying out analytical work for them on the basis of those data.

6. The methodologies shall be updated and improved regularly in accordance with paragraphs 1 to 5. The Agency, on its own initiative or upon a duly reasoned request by national regulatory authorities or stakeholders, and after formally consulting the organisations representing all relevant stakeholders and the Commission, may request such updates and improvements with due justification and timescales. The Agency shall publish the requests by national regulatory authorities or stakeholders and all relevant non-commercially sensitive documents leading to a request from the Agency for an update or improvement.

7. By 16 May 2015, national regulatory authorities cooperating in the framework of the Agency shall establish and make publicly available a set of indicators and corresponding reference values for the comparison of unit investment costs for comparable projects of the infrastructure categories included in Annex II.1 and 2. Those reference values may be used by the ENTSO for Electricity and the ENTSO for Gas for the cost-benefit analyses carried out for subsequent 10-year network development plans.

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8. By 31 December 2016, the ENTSO for Electricity and the ENTSO for Gas shall jointly submit to the Commission and the Agency a consistent and interlinked electricity and gas market and network model including both electricity and gas transmission infrastructure as well as storage and LNG facilities, covering the energy infrastructure priority corridors and areas and drawn up in line with the principles laid down in Annex V. After approval of this model by the Commission according to the procedure set out in paragraphs 2 to 4, it shall be included in the methodologies.

*Article 12***Enabling investments with cross-border impacts**

1. The efficiently incurred investment costs, which excludes maintenance costs, related to a project of common interest falling under the categories set out in Annex II.1(a), (b) and (d) and Annex II.2 shall be borne by the relevant TSO or the project promoters of the transmission infrastructure of the Member States to which the project provides a net positive impact, and, to the extent not covered by congestion rents or other charges, be paid for by network users through tariffs for network access in that or those Member States.

2. For a project of common interest falling under the categories set out in Annex II.1(a), (b) and (d) and Annex II.2, paragraph 1 shall apply only if at least one project promoter requests the relevant national authorities to apply this Article for all or parts of the costs of the project. For a project of common interest falling under the categories set out in Annex II.2, paragraph 1 shall apply only where an assessment of market demand has already been carried out and indicated that the efficiently incurred investment costs cannot be expected to be covered by the tariffs.

Where a project has several project promoters, the relevant national regulatory authorities shall without delay request all project promoters to submit the investment request jointly in accordance with paragraph 3.

3. For a project of common interest to which paragraph 1 applies, the project promoters shall keep all concerned national regulatory authorities regularly informed, at least once per year, and until the project is commissioned, of the progress of that project and the identification of costs and impacts associated with it.

As soon as such a project has reached sufficient maturity, the project promoters, after having consulted the TSOs from the Member States to which the project provides a significant net positive impact, shall submit an investment request. That investment request shall include a request for a cross-border cost allocation and shall be submitted to all the national regulatory authorities concerned, accompanied by the following:

- (a) a project-specific cost-benefit analysis consistent with the methodology drawn up pursuant to Article 11 and taking into account benefits beyond the borders of the Member State concerned;

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- (b) a business plan evaluating the financial viability of the project, including the chosen financing solution, and, for a project of common interest falling under the category referred to in Annex II.2, the results of market testing; and
- (c) if the project promoters agree, a substantiated proposal for a cross-border cost allocation.

If a project is promoted by several project promoters, they shall submit their investment request jointly.

For projects included in the first Union list, project promoters shall submit their investment request by 31 October 2013.

A copy of each investment request shall be transmitted for information without delay by the national regulatory authorities to the Agency on receipt.

The national regulatory authorities and the Agency shall preserve the confidentiality of commercially sensitive information.

4. Within six months of the date on which the last investment request was received by the national regulatory authorities concerned, the national regulatory authorities shall, after consulting the project promoters concerned, take coordinated decisions on the allocation of investment costs to be borne by each system operator for the project, as well as their inclusion in tariffs. The national regulatory authorities may decide to allocate only part of the costs, or may decide to allocate costs among a package of several projects of common interest.

When allocating the costs, the national regulatory authorities shall take into account actual or estimated:

- congestion rents or other charges,
- revenues stemming from the inter-transmission system operator compensation mechanism established under Article 13 of Regulation (EC) No 714/2009.

In deciding to allocate costs across borders, the economic, social and environmental costs and benefits of the projects in the Member States concerned and the possible need for financial support shall be taken into account.

In deciding to allocate costs across borders, the relevant national regulatory authorities, in consultation with the TSOs concerned, shall seek a mutual agreement based on, but not limited to, the information specified in paragraph 3(a) and (b).

If a project of common interest mitigates negative externalities, such as loop flows, and that project of common interest is implemented in the Member State at the origin of the negative externality, such mitigation shall not be regarded as a cross-border benefit and shall therefore not constitute a basis for allocating costs to the TSO of the Member States affected by those negative externalities.

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5. National regulatory authorities shall, based on the cross-border cost allocation as referred to in paragraph 4 of this Article, take into account actual costs incurred by a TSO or other project promoter as a result of the investments when fixing or approving tariffs in accordance with Article 37(1)(a) of Directive 2009/72/EC and Article 41(1)(a) of Directive 2009/73/EC, insofar as these costs correspond to those of an efficient and structurally comparable operator.

The cost allocation decision shall be notified, without delay, by the national regulatory authorities to the Agency, together with all the relevant information with respect to the decision. In particular, the information shall contain detailed reasons on the basis of which costs were allocated among Member States, such as the following:

- (a) an evaluation of the identified impacts, including concerning network tariffs, on each of the concerned Member States;
- (b) an evaluation of the business plan referred to in paragraph 3(b);
- (c) regional or Union-wide positive externalities, which the project would generate;
- (d) the result of the consultation of the project promoters concerned.

The cost allocation decision shall be published.

6. Where the national regulatory authorities concerned have not reached an agreement on the investment request within six months of the date on which the request was received by the last of the national regulatory authorities concerned, they shall inform the Agency without delay.

In this case or upon a joint request from the national regulatory authorities concerned, the decision on the investment request including cross-border cost allocation referred to in paragraph 3 as well as the way the cost of the investments are reflected in the tariffs shall be taken by the Agency within three months of the date of referral to the Agency.

Before taking such a decision, the Agency shall consult the national regulatory authorities concerned and the project promoters. The three-month period referred to in the second subparagraph may be extended by an additional period of two months where further information is sought by the Agency. That additional period shall begin on the day following receipt of the complete information.

The cost allocation decision shall be published. Articles 19 and 20 of Regulation (EC) No 713/2009 shall be applicable.

7. A copy of all cost allocation decisions, together with all the relevant information with respect to each decision, shall be notified, without delay, by the Agency to the Commission. That information may be submitted in aggregate form. The Commission shall preserve the confidentiality of commercially sensitive information.

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8. This cost allocation decision shall not affect the right of TSOs to apply and national regulatory authorities to approve charges for access to networks in accordance with Article 32 of Directive 2009/72/EC and of Directive 2009/73/EC, Article 14 of Regulation (EC) No 714/2009, and Article 13 of Regulation (EC) No 715/2009.

9. This Article shall not apply to projects of common interest having received:

- (a) an exemption from Articles 32, 33, 34 and Article 41(6), (8) and (10) of Directive 2009/73/EC pursuant to Article 36 of Directive 2009/73/EC;
- (b) an exemption from Article 16(6) of Regulation (EC) No 714/2009 or an exemption from Article 32 and Article 37(6) and (10) of Directive 2009/72/EC pursuant to Article 17 of Regulation (EC) No 714/2009;
- (c) an exemption under Article 22 of Directive 2003/55/EC ⁽¹⁾; or
- (d) an exemption under Article 7 of Regulation (EC) No 1228/2003 ⁽²⁾.

*Article 13***Incentives**

1. Where a project promoter incurs higher risks for the development, construction, operation or maintenance of a project of common interest falling under the categories set out in Annex II.1(a), (b) and (d) and Annex II.2, compared to the risks normally incurred by a comparable infrastructure project, Member States and national regulatory authorities shall ensure that appropriate incentives are granted to that project in accordance with Article 37(8) of Directive 2009/72/EC, Article 41(8) of Directive 2009/73/EC, Article 14 of Regulation (EC) No 714/2009, and Article 13 of Regulation (EC) No 715/2009.

The first subparagraph shall not apply where the project of common interest has received:

- (a) an exemption from Articles 32, 33, 34 and Article 41(6), (8) and (10) of Directive 2009/73/EC pursuant to Article 36 of Directive 2009/73/EC;
- (b) an exemption from Article 16(6) of Regulation (EC) No 714/2009 or an exemption from Article 32 and Article 37(6) and (10) of Directive 2009/72/EC pursuant to Article 17 of Regulation (EC) No 714/2009;
- (c) an exemption under Article 22 of Directive 2003/55/EC; or
- (d) an exemption under Article 7 of Regulation (EC) No 1228/2003.

⁽¹⁾ Directive 2003/55/EC of the European Parliament and of the Council of 26 June 2003 concerning common rules for the internal market in natural gas (OJ L 176, 15.7.2003, p. 57).

⁽²⁾ Regulation (EC) No 1228/2003 of the European Parliament and of the Council of 26 June 2003 on conditions for access to the network for cross-border exchanges in electricity (OJ L 176, 15.7.2003, p. 1).

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2. The decision of the national regulatory authorities for granting the incentives referred to in paragraph 1 shall consider the results of the cost-benefit analysis on the basis of the methodology drawn up pursuant to Article 11 and in particular the regional or Union-wide positive externalities generated by the project. The national regulatory authorities shall further analyse the specific risks incurred by the project promoters, the risk mitigation measures taken and the justification of this risk profile in view of the net positive impact provided by the project, when compared to a lower-risk alternative. Eligible risks shall notably include risks related to new transmission technologies, both onshore and offshore, risks related to under-recovery of costs and development risks.

3. The incentive granted by the decision shall take account of the specific nature of the risk incurred and may cover inter alia:

- (a) the rules for anticipatory investment; or
- (b) the rules for recognition of efficiently incurred costs before commissioning of the project; or
- (c) the rules for providing additional return on the capital invested for the project; or
- (d) the any other measure deemed necessary and appropriate.

4. By 31 July 2013, each national regulatory authority shall submit to the Agency its methodology and the criteria used to evaluate investments in electricity and gas infrastructure projects and the higher risks incurred by them, where available.

5. By 31 December 2013, taking due account of the information received pursuant to paragraph 4 of this Article, the Agency shall facilitate the sharing of good practices and make recommendations in accordance with Article 7(2) of Regulation (EC) No 713/2009 regarding:

- (a) the incentives referred to in paragraph 1 on the basis of a benchmarking of best practice by national regulatory authorities;
- (b) a common methodology to evaluate the incurred higher risks of investments in electricity and gas infrastructure projects.

6. By 31 March 2014, each national regulatory authority shall publish its methodology and the criteria used to evaluate investments in electricity and gas infrastructure projects and the higher risks incurred by them.

7. Where the measures referred to in paragraphs 5 and 6 are not sufficient to ensure the timely implementation of projects of common interest, the Commission may issue guidelines regarding the incentives laid down in this Article.



CHAPTER V
FINANCING

Article 14

Eligibility of projects for Union financial assistance

1. Projects of common interest falling under the categories set out in Annex II.1, 2 and 4 are eligible for Union financial assistance in the form of grants for studies and financial instruments.
2. Projects of common interest falling under the categories set out in Annex II.1(a) to (d) and Annex II.2, except for hydro-pumped electricity storage projects, are also eligible for Union financial assistance in the form of grants for works if they fulfil all of the following criteria:
 - (a) the project specific cost-benefit analysis pursuant to Article 12(3)(a) provides evidence concerning the existence of significant positive externalities, such as security of supply, solidarity or innovation;
 - (b) the project has received a cross-border cost allocation decision pursuant to Article 12; or, for projects of common interest falling under the category set out in Annex II.1(c) and that therefore do not receive a cross-border cost allocation decision, the project shall aim to provide services across borders, bring technological innovation and ensure the safety of cross-border grid operation;
 - (c) the project is commercially not viable according to the business plan and other assessments carried out, notably by possible investors or creditors or the national regulatory authority. The decision on incentives and its justification referred to in Article 13(2) shall be taken into account when assessing the project's commercial viability.
3. Projects of common interest carried out in accordance with the procedure referred to in Article 5(7)(d) shall also be eligible for Union financial assistance in the form of grants for works if they fulfil the criteria set out in paragraph 2 of this Article.
4. Projects of common interest falling under the categories set out in Annex II.1(e) and 4 shall be also eligible for Union financial assistance in the form of grants for works, if the concerned project promoters can clearly demonstrate the significant positive externalities generated by the projects and their lack of commercial viability, according to the business plan and other assessments carried out, notably by possible investors or creditors or, where applicable, a national regulatory authority.

Article 15

Guidance for the award criteria of Union financial assistance

The specific criteria set out in Article 4(2) and the parameters set out in Article 4(4) shall also fulfil the role of objectives for the purpose of establishing award criteria for Union financial assistance in the relevant Regulation on a Connecting Europe Facility.



Article 16

Exercise of the delegation

1. The power to adopt delegated acts is conferred on the Commission subject to the conditions laid down in this Article.
2. The power to adopt delegated acts referred to in Article 3 shall be conferred on the Commission for a period of four years from 15 May 2013. The Commission shall draw up a report in respect of the delegation of power not later than nine months before the end of this period. The delegation of power shall be tacitly extended for periods of an identical duration, unless the European Parliament or the Council opposes such extension not later than three months before the end of each period.
3. The delegation of power referred to in Article 3 may be revoked at any time by the European Parliament or by the Council. A decision to revoke shall put an end to the delegation of the power specified in that decision. It shall take effect the day following the publication of the decision in the *Official Journal of the European Union* or at a later date specified therein. It shall not affect the validity of any delegated acts already in force.
4. As soon as it adopts a delegated act, the Commission shall notify it simultaneously to the European Parliament and to the Council.
5. A delegated act adopted pursuant to Article 3 shall enter into force only if no objection has been expressed either by the European Parliament or the Council within a period of two months of notification of that act to the European Parliament and the Council or if, before the expiry of that period, the European Parliament and the Council have both informed the Commission that they will not object. That period shall be extended by two months at the initiative of the European Parliament or of the Council.

CHAPTER VI

FINAL PROVISIONS

Article 17

Reporting and evaluation

Not later than 2017, the Commission shall publish a report on the implementation of projects of common interest and submit it to the European Parliament and the Council. This report shall provide an evaluation of:

- (a) the progress achieved for the planning, development, construction and commissioning of projects of common interest selected pursuant to Article 3, and, where relevant, delays in implementation and other difficulties encountered;
- (b) the funds engaged and disbursed by the Union for projects of common interest, compared to the total value of funded projects of common interest;
- (c) for the electricity and gas sectors, the evolution of the interconnection level between Member States, the corresponding evolution of energy prices, as well as the number of network system failure events, their causes and related economic cost;

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- (d) permit granting and public participation, in particular:
- (i) the average and maximum total duration of permit granting processes for projects of common interest, including the duration of each step of the pre-application procedure, compared to the timing foreseen by the initial major milestones referred to in Article 10(4);
 - (ii) the level of opposition faced by projects of common interest (notably number of written objections during the public consultation process, number of legal recourse actions);
 - (iii) an overview of best and innovative practices with regard to stakeholder involvement and mitigation of environmental impact during permit granting processes and project implementation;
 - (iv) the effectiveness of the schemes foreseen in Article 8(3) regarding compliance with the time limits set under Article 10;
- (e) regulatory treatment, in particular:
- (i) the number of projects of common interest having been granted a cross-border cost allocation decision pursuant to Article 12;
 - (ii) the number and type of projects of common interest having received specific incentives pursuant to Article 13;
- (f) the effectiveness of this Regulation in contributing to the goals for market integration by 2014 and 2015, to the climate and energy targets for 2020, and, in the longer term, to the move toward a low-carbon economy by 2050.

*Article 18***Information and publicity**

The Commission shall establish by six months after the date of adoption of the first Union list an infrastructure transparency platform easily accessible to the general public, including via the internet. This platform shall contain the following information:

- (a) general, updated information, including geographic information, for each project of common interest;
- (b) the implementation plan as set out in Article 5(1) for each project of common interest;
- (c) the main results of the cost-benefit analysis on the basis of the methodology drawn up pursuant Article 11 for the projects of common interest concerned, except for any commercially sensitive information;
- (d) the Union list;
- (e) the funds allocated and disbursed by the Union for each project of common interest.

▼ B*Article 19***Transitional provisions**

This Regulation shall not affect the granting, continuation or modification of financial assistance awarded by the Commission on the basis of calls for proposals launched under Regulation (EC) No 680/2007 of the European Parliament and of the Council of 20 June 2007 laying down general rules for the granting of Community financial aid in the field of the trans-European transport and energy networks ⁽¹⁾ to projects listed in Annexes I and III to Decision No 1364/2006/EC or in view of the targets, based on the relevant categories of expenditure for TEN-E, as defined in Council Regulation (EC) No 1083/2006 of 11 July 2006 laying down general provisions on the European Regional Development Fund, the European Social Fund and the Cohesion Fund ⁽²⁾.

For projects of common interest in the permit granting process for which a project promoter has submitted an application file before 16 November 2013, the provisions of Chapter III shall not apply.

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▼ B*Article 22***Amendments to Regulation (EC) No 715/2009**

Regulation (EC) No 715/2009 is amended as follows:

(1) in Article 8(10), point (a) is replaced by the following:

‘(a) build on national investment plans, taking into account regional investment plans as referred to in Article 12(1), and, if appropriate, Union aspects of network planning as set out in Regulation (EU) No 347/2013 of the European Parliament and of the Council of 17 April 2013 on guidelines for trans-European energy infrastructure (*); it shall be the subject to a cost-benefit analysis using the methodology established as set out in Article 11 of that Regulation.’

 (*) OJ L 115, 25.4.2013, p. 39.’;

(2) Article 11 is replaced by the following:

‘Article 11

Costs

The costs related to the activities of the ENTSO for Gas referred to in Articles 4 to 12 of this Regulation, and in Article 11 of Regulation (EU) No 347/2013 shall be borne by the transmission system operators and shall be taken into account in the calculation of tariffs. Regulatory authorities shall approve those costs only if they are reasonable and appropriate.’

⁽¹⁾ OJ L 162, 22.6.2007, p. 1.

⁽²⁾ OJ L 210, 31.7.2006, p. 25.

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Article 23

Repeal

Decision No 1364/2006/EC is hereby repealed from 1 January 2014. No rights shall arise under this Regulation for projects listed in Annexes I and III to Decision No 1364/2006/EC.

Article 24

Entry into force

This Regulation shall enter into force on the twentieth day following that of its publication in the *Official Journal of the European Union*.

It shall apply from 1 June 2013 with the exception of Articles 14 and 15 which shall apply as from the date of application of the relevant Regulation on a Connecting Europe Facility.

This Regulation shall be binding in its entirety and directly applicable in all Member States.



ANNEX I

ENERGY INFRASTRUCTURE PRIORITY CORRIDORS AND AREAS

This Regulation shall apply to the following trans-European energy infrastructure priority corridors and areas:

1. PRIORITY ELECTRICITY CORRIDORS

- (1) Northern Seas offshore grid ('NSOG'): integrated offshore electricity grid development and the related interconnectors in the North Sea, the Irish Sea, the English Channel, the Baltic Sea and neighbouring waters to transport electricity from renewable offshore energy sources to centres of consumption and storage and to increase cross-border electricity exchange.

Member States concerned: Belgium, Denmark, France, Germany, Ireland, Luxemburg, the Netherlands, Sweden, the United Kingdom;

- (2) North-South electricity interconnections in Western Europe ('NSI West Electricity'): interconnections between Member States of the region and with the Mediterranean area including the Iberian peninsula, notably to integrate electricity from renewable energy sources and reinforce internal grid infrastructures to foster market integration in the region.

Member States concerned: Austria, Belgium, France, Germany, Ireland, Italy, Luxembourg, Netherlands, Malta, Portugal, Spain, the United Kingdom;

- (3) North-South electricity interconnections in Central Eastern and South Eastern Europe ('NSI East Electricity'): interconnections and internal lines in North-South and East-West directions to complete the internal market and integrate generation from renewable energy sources.

Member States concerned: Austria, Bulgaria, Croatia⁽¹⁾, Czech Republic, Cyprus, Germany, Greece, Hungary, Italy, Poland, Romania, Slovakia, Slovenia;

- (4) Baltic Energy Market Interconnection Plan in electricity ('BEMIP Electricity'): interconnections between Member States in the Baltic region and reinforcing internal grid infrastructures accordingly, to end isolation of the Baltic States and to foster market integration inter alia by working towards the integration of renewable energy in the region.

Member States concerned: Denmark, Estonia, Finland, Germany, Latvia, Lithuania, Poland, Sweden.

2. PRIORITY GAS CORRIDORS

- (5) North-South gas interconnections in Western Europe ('NSI West Gas'): gas infrastructure for North-South gas flows in Western Europe to further diversify routes of supply and for increasing short-term gas deliverability.

Member States concerned: Belgium, Denmark, France, Germany, Ireland, Italy, Luxembourg, Malta, the Netherlands, Portugal, Spain, the United Kingdom;

- (6) North-South gas interconnections in Central Eastern and South Eastern Europe ('NSI East Gas'): gas infrastructure for regional connections between and in the Baltic Sea region, the Adriatic and Aegean Seas, the Eastern Mediterranean Sea and the Black Sea, and for enhancing diversification and security of gas supply.

Member States concerned: Austria, Bulgaria, Croatia⁽¹⁾, Cyprus, Czech Republic, Germany, Greece, Hungary, Italy, Poland, Romania, Slovakia, Slovenia;

⁽¹⁾ Subject to and as of the date of accession of Croatia.

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- (7) Southern Gas Corridor ('SGC'): infrastructure for the transmission of gas from the Caspian Basin, Central Asia, the Middle East and the Eastern Mediterranean Basin to the Union to enhance diversification of gas supply.

Member States concerned: Austria, Bulgaria, Croatia ⁽¹⁾, Czech Republic, Cyprus, France, Germany, Hungary, Greece, Italy, Poland, Romania, Slovakia, Slovenia;

- (8) Baltic Energy Market Interconnection Plan in gas ('BEMIP Gas'): gas infrastructure to end the isolation of the three Baltic States and Finland and their dependency on a single supplier, to reinforce internal grid infrastructures accordingly, and to increase diversification and security of supplies in the Baltic Sea region.

Member States concerned: Denmark, Estonia, Finland, Germany, Latvia, Lithuania, Poland, Sweden.

3. PRIORITY OIL CORRIDOR

- (9) Oil supply connections in Central Eastern Europe ('OSC'): interoperability of the oil pipeline network in Central Eastern Europe to increase security of supply and reduce environmental risks.

Member States concerned: Austria, Croatia ⁽¹⁾, Czech Republic, Germany, Hungary, Poland, Slovakia.

4. PRIORITY THEMATIC AREAS

- (10) Smart grids deployment: adoption of smart grid technologies across the Union to efficiently integrate the behaviour and actions of all users connected to the electricity network, in particular the generation of large amounts of electricity from renewable or distributed energy sources and demand response by consumers.

Member States concerned: all;

- (11) Electricity highways: first electricity highways by 2020, in view of building an electricity highways system across the Union that is capable of:

(a) accommodating ever-increasing wind surplus generation in and around the Northern and Baltic Seas and increasing renewable generation in the East and South of Europe and also North Africa;

(b) connecting these new generation hubs with major storage capacities in the Nordic countries, the Alps and other regions with major consumption centres; and

(c) coping with an increasingly variable and decentralised electricity supply and flexible electricity demand.

Member States concerned: all;

- (12) Cross-border carbon dioxide network: development of carbon dioxide transport infrastructure between Member States and with neighbouring third countries in view of the deployment of carbon dioxide capture and storage.

Member States concerned: all.

⁽¹⁾ Subject to and as of the date of accession of Croatia.

*ANNEX II***ENERGY INFRASTRUCTURE CATEGORIES**

The energy infrastructure categories to be developed in order to implement the energy infrastructure priorities listed in Annex I are the following:

- (1) concerning electricity:
 - (a) high-voltage overhead transmission lines, if they have been designed for a voltage of 220 kV or more, and underground and submarine transmission cables, if they have been designed for a voltage of 150 kV or more;
 - (b) concerning in particular electricity highways; any physical equipment designed to allow transport of electricity on the high and extra-high voltage level, in view of connecting large amounts of electricity generation or storage located in one or several Member States or third countries with large-scale electricity consumption in one or several other Member States;
 - (c) electricity storage facilities used for storing electricity on a permanent or temporary basis in above-ground or underground infrastructure or geological sites, provided they are directly connected to high-voltage transmission lines designed for a voltage of 110 kV or more;
 - (d) any equipment or installation essential for the systems defined in (a) to (c) to operate safely, securely and efficiently, including protection, monitoring and control systems at all voltage levels and substations;
 - (e) any equipment or installation, both at transmission and medium voltage distribution level, aiming at two-way digital communication, real-time or close to real-time, interactive and intelligent monitoring and management of electricity generation, transmission, distribution and consumption within an electricity network in view of developing a network efficiently integrating the behaviour and actions of all users connected to it — generators, consumers and those that do both — in order to ensure an economically efficient, sustainable electricity system with low losses and high quality and security of supply and safety;
- (2) concerning gas:
 - (a) transmission pipelines for the transport of natural gas and bio gas that form part of a network which mainly contains high-pressure pipelines, excluding high-pressure pipelines used for upstream or local distribution of natural gas;
 - (b) underground storage facilities connected to the above-mentioned high-pressure gas pipelines;
 - (c) reception, storage and regasification or decompression facilities for liquefied natural gas (LNG) or compressed natural gas (CNG);
 - (d) any equipment or installation essential for the system to operate safely, securely and efficiently or to enable bi-directional capacity, including compressor stations;
- (3) concerning oil:
 - (a) pipelines used to transport crude oil;
 - (b) pumping stations and storage facilities necessary for the operation of crude oil pipelines;
 - (c) any equipment or installation essential for the system in question to operate properly, securely and efficiently, including protection, monitoring and control systems and reverse-flow devices;

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- (4) concerning carbon dioxide:
- (a) dedicated pipelines, other than upstream pipeline network, used to transport anthropogenic carbon dioxide from more than one source, i.e. industrial installations (including power plants) that produce carbon dioxide gas from combustion or other chemical reactions involving fossil or non-fossil carbon-containing compounds, for the purpose of permanent geological storage of carbon dioxide pursuant to Directive 2009/31/EC of the European Parliament and of the Council ⁽¹⁾;
 - (b) facilities for liquefaction and buffer storage of carbon dioxide in view of its further transportation. This does not include infrastructure within a geological formation used for the permanent geological storage of carbon dioxide pursuant to Directive 2009/31/EC and associated surface and injection facilities;
 - (c) any equipment or installation essential for the system in question to operate properly, securely and efficiently, including protection, monitoring and control systems.

⁽¹⁾ OJ L 140, 5.6.2009, p. 114.

*ANNEX III***REGIONAL LISTS OF PROJECTS OF COMMON INTEREST**

1. RULES FOR GROUPS

- (1) For electricity projects falling under the categories set out in Annex II.1, each Group shall be composed of representatives of the Member States, national regulatory authorities, TSOs, as well as the Commission, the Agency and the ENTSO for Electricity.

For gas projects falling under the categories set out in Annex II.2, each Group shall be composed of representatives of the Member States, national regulatory authorities, TSOs, as well as the Commission, the Agency and the ENTSO for Gas.

For oil and carbon dioxide transport projects falling under the categories referred to in Annex II.3 and 4, each Group shall be composed of the representatives of the Member States, project promoters concerned by each of the relevant priorities designated in Annex I and the Commission.

- (2) The decision-making bodies of the Groups may merge. All Groups or decision-making bodies shall meet together, when relevant, to discuss matters common to all Groups; such matters may include issues relevant to cross-regional consistency or the number of proposed projects included on the draft regional lists at risk of becoming unmanageable.
- (3) Each Group shall organise its work in line with regional cooperation efforts pursuant Article 6 of Directive 2009/72/EC, Article 7 of Directive 2009/73/EC, Article 12 of Regulation (EC) No 714/2009, and Article 12 of Regulation (EC) No 715/2009 and other existing regional cooperation structures.
- (4) Each Group shall invite, as appropriate in view of implementing the relevant priority designated in Annex I, promoters of a project potentially eligible for selection as a project of common interest as well as representatives of national administrations, of regulatory authorities, and TSOs from EU candidate countries and potential candidates, the member countries of the European Economic Area and the European Free Trade Association, representatives from the Energy Community institutions and bodies, countries covered by the European Neighbourhood policy and countries, with which the Union has established specific energy cooperation. The decision to invite third country-representatives shall be based on consensus.
- (5) Each Group shall consult the organisations representing relevant stakeholders — and, if deemed appropriate, stakeholders directly — including producers, distribution system operators, suppliers, consumers, and organisations for environmental protection. The Group may organise hearings or consultations, where relevant for the accomplishments of its tasks.
- (6) The internal rules, an updated list of member organisations, regularly updated information on the progress of work, meeting agendas, as well as final conclusions and decisions of each Group shall be published by the Commission on the transparency platform referred to in Article 18.
- (7) The Commission, the Agency and the Groups shall strive for consistency between the different Groups. For this purpose, the Commission and the Agency shall ensure, when relevant, the exchange of information on all work representing an interregional interest between the Groups concerned.

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The participation of national regulatory authorities and the Agency in the Groups shall not jeopardise the fulfilment of their objectives and duties under this Regulation or under Articles 36 and 37 of Directive 2009/72/EC and Articles 40 and 41 of Directive 2009/73/EC, or under Regulation (EC) No 713/2009.

2. PROCESS FOR ESTABLISHING REGIONAL LISTS

- (1) Promoters of a project potentially eligible for selection as a project of common interest wanting to obtain the status of projects of common interest shall submit an application for selection as project of common interest to the Group that includes:
 - an assessment of their projects with regard to the contribution to implementing the priorities set out in Annex I,
 - an analysis of the fulfilment of the relevant criteria defined in Article 4,
 - for projects having reached a sufficient degree of maturity, a project-specific cost-benefit analysis in accordance with Articles 21 and 22 based on the methodologies developed by the ENTSO for electricity or the ENTSO for gas pursuant to Article 11, and
 - any other relevant information for the evaluation of the project.
- (2) All recipients shall preserve the confidentiality of commercially sensitive information.
- (3) After adoption of the first Union list, for all subsequent Union lists adopted, proposed electricity transmission and storage projects falling under the categories set out in Annex II.1(a), (b) and (d) shall be part of the latest available 10-year network development plan for electricity, developed by the ENTSO for Electricity pursuant Article 8 of Regulation (EC) No 714/2009.
- (4) After adoption of the first Union list, for all subsequent Union lists adopted, proposed gas infrastructure projects falling under the categories set out in Annex II.2 shall be part of the latest available 10-year network development plan for gas, developed by the ENTSO for Gas pursuant Article 8 of Regulation (EC) No 715/2009.
- (5) The project proposals submitted for inclusion in the first Union list which were not previously evaluated pursuant to Article 8 of Regulation (EC) No 714/2009 shall be assessed at Union-wide system level by:
 - the ENTSO for Electricity in line with the methodology applied in the latest available 10-year network development plan for projects falling under Annex II.1(a), (b) and (d),
 - the ENTSO for Gas or by a third party in a consistent manner based on an objective methodology for projects falling under Annex II.2.

By 16 January 2014, the Commission shall issue Guidelines on criteria to be applied by the ENTSO for electricity and the ENTSO for gas when developing their respective 10-year network development plans referred to in points (3) and (4), in order to ensure equal treatment and transparency of the process.
- (6) Proposed carbon dioxide transport projects falling under the category set out in Annex II.4 shall be presented as part of a plan, developed by at least two Member States, for the development of cross-border carbon dioxide transport and storage infrastructure, to be presented by the Member States concerned or entities designated by those Member States to the Commission.

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- (7) For proposed projects falling under the categories set out in Annex II.1 and 2, national regulatory authorities, and if necessary the Agency, shall, where possible in the context of regional cooperation (Article 6 of Directive 2009/72/EC, Article 7 of Directive 2009/73/EC), check the consistent application of the criteria/ cost-benefit analysis methodology and evaluate their cross-border relevance. They shall present their assessment to the Group.
- (8) For proposed oil and carbon dioxide transport projects falling under the categories set out in Annex II.3 and 4, the Commission shall evaluate the application of the criteria set out in Article 4. For proposed carbon dioxide projects falling under the category set out in Annex II.4, the Commission shall also take into account the potential for future extension to include additional Member States. The Commission shall present its assessment to the Group.
- (9) Each Member State to whose territory a proposed project does not relate, but on which the proposed project may have a potential net positive impact or a potential significant effect, such as on the environment or on the operation of the energy infrastructure on its territory, may present an opinion to the Group specifying its concerns.
- (10) The decision-making body of the Group shall examine, at the request of a Member State of the Group, the substantiated reasons presented by a Member State pursuant to Article 3(3) for not approving a project of common interest related to its territory.
- (11) The Group shall meet to examine and rank the proposed projects taking into account the assessment of the regulators, or the assessment of the Commission for oil and carbon dioxide transport projects.
- (12) The draft regional lists of proposed projects falling under the categories set out in Annex II.1 and 2 drawn up by the Groups, together with any opinions as specified in point (9), shall be submitted to the Agency six months before the adoption date of the Union list. The draft regional lists and the accompanying opinions shall be assessed by the Agency within three months of the date of receipt. The Agency shall provide an opinion on the draft regional lists, in particular on the consistent application of the criteria and the cost-benefit analysis across regions. The opinion of the Agency shall be adopted in accordance with the procedure referred to in Article 15(1) of Regulation (EC) No 713/2009.
- (13) Within one month of the date of receipt of the Agency's opinion, the decision-making body of each Group shall adopt its final regional list, respecting the provisions set out in Article 3(3), based on the Groups' proposal and taking into account the opinion of the Agency and the assessment of the national regulatory authorities submitted in accordance with point (7), or the assessment of the Commission for oil and carbon dioxide transport projects proposed in accordance with point (8). The Groups shall submit the final regional lists to the Commission, together with any opinions as specified in point (9).
- (14) If, based on the regional lists received, and after having taken into account the Agency opinion, the total number of proposed projects of common interest on the Union list would exceed a manageable number, the Commission shall consider, after having consulted each Group concerned, not to include in the Union list projects that were ranked lowest by the Group concerned according to the ranking established pursuant to Article 4(4).



ANNEX IV

RULES AND INDICATORS CONCERNING CRITERIA FOR PROJECTS OF COMMON INTEREST

- (1) A project with significant cross-border impact is a project on the territory of a Member State, which fulfils the following conditions:
- (a) for electricity transmission, the project increases the grid transfer capacity, or the capacity available for commercial flows, at the border of that Member State with one or several other Member States, or at any other relevant cross-section of the same transmission corridor having the effect of increasing this cross-border grid transfer capacity, by at least 500 Megawatt compared to the situation without commissioning of the project;
 - (b) for electricity storage, the project provides at least 225 MW installed capacity and has a storage capacity that allows a net annual electricity generation of 250 Gigawatt-hours/year;
 - (c) for gas transmission, the project concerns investment in reverse flow capacities or changes the capability to transmit gas across the borders of the Member States concerned by at least 10 % compared to the situation prior to the commissioning of the project;
 - (d) for gas storage or liquefied/compressed natural gas, the project aims at supplying directly or indirectly at least two Member States or at fulfilling the infrastructure standard (N-1 rule) at regional level in accordance with Article 6(3) of Regulation (EU) No 994/2010 of the European Parliament and of the Council ⁽¹⁾;
 - (e) for smart grids, the project is designed for equipments and installations at high-voltage and medium-voltage level designed for a voltage of 10 kV or more. It involves transmission and distribution system operators from at least two Member States, which cover at least 50 000 users that generate or consume electricity or do both in a consumption area of at least 300 Gigawatthours/year, of which at least 20 % originate from renewable resources that are variable in nature.
- (2) Concerning projects falling under the categories set out in Annex II.1(a) to (d), the criteria listed in Article 4 shall be evaluated as follows:
- (a) Market integration, competition and system flexibility shall be measured in line with the analysis made in the latest available Union-wide 10-year network development plan in electricity, notably by:
 - calculating, for cross-border projects, the impact on the grid transfer capability in both power flow directions, measured in terms of amount of power (in megawatt), and their contribution to reaching the minimum interconnection capacity of 10 % installed production capacity or, for projects with significant cross-border impact, the impact on grid transfer capability at borders between relevant Member States, between relevant Member States and third countries or within relevant Member States and on demand-supply balancing and network operations in relevant Member States,
 - assessing the impact, for the area of analysis as defined in Annex V.10, in terms of energy system-wide generation and transmission costs and evolution and convergence of market prices provided by a project under different planning scenarios, notably taking into account the variations induced on the merit order.

⁽¹⁾ OJ L 295, 12.11.2010, p. 1.

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- (b) Transmission of renewable energy generation to major consumption centres and storage sites shall be measured in line with the analysis made in the latest available 10-year network development plan in electricity, notably by:
- for electricity transmission, by estimating the amount of generation capacity from renewable energy sources (by technology, in megawatts), which is connected and transmitted due to the project, compared to the amount of planned total generation capacity from these types of renewable energy sources in the concerned Member State in 2020 according to the national renewable energy action plans as defined in Article 4 of Directive 2009/28/EC,
 - for electricity storage, by comparing new capacity provided by the project with total existing capacity for the same storage technology in the area of analysis as defined in Annex V.10.
- (c) Security of supply, interoperability and secure system operation shall be measured in line with the analysis made in the latest available 10-year network development plan in electricity, notably by assessing the impact of the project on the loss of load expectation for the area of analysis as defined in Annex V.10 in terms of generation and transmission adequacy for a set of characteristic load periods, taking into account expected changes in climate-related extreme weather events and their impact on infrastructure resilience. Where applicable, the impact of the project on independent and reliable control of system operation and services shall be measured.
- (3) Concerning projects falling under the categories set out in Annex II.2, the criteria listed in Article 4 shall be evaluated as follows:
- (a) Market integration and interoperability shall be measured by calculating the additional value of the project to the integration of market areas and price convergence, to the overall flexibility of the system, including the capacity level offered for reverse flows under various scenarios.
 - (b) Competition shall be measured on the basis of diversification, including the facilitation of access to indigenous sources of supply, taking into account, successively: diversification of sources; diversification of counterparts; diversification of routes; the impact of new capacity on the Herfindahl-Hirschmann index (HHI) calculated at capacity level for the area of analysis as defined in Annex V.10.
 - (c) Security of gas supply shall be measured by calculating the additional value of the project to the short and long-term resilience of the Union's gas system and to enhancing the remaining flexibility of the system to cope with supply disruptions to Member States under various scenarios as well as the additional capacity provided by the project measured in relation to the infrastructure standard (N-1 rule) at regional level in accordance with Article 6(3) of Regulation (EU) No 994/2010.
 - (d) Sustainability shall be measured as the contribution of a project to reduce emissions, to support the back-up of renewable electricity generation or power-to-gas and biogas transportation, taking into account expected changes in climatic conditions.
- (4) Concerning projects falling under the category set out in Annex II.1(e), each function listed in Article 4 shall be evaluated against the following criteria:
- (a) Level of sustainability: This criterion shall be measured by assessing the reduction of greenhouse gas emissions, and the environmental impact of electricity grid infrastructure.

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- (b) Capacity of transmission and distribution grids to connect and bring electricity from and to users: This criterion shall be measured by estimating the installed capacity of distributed energy resources in distribution networks, the allowable maximum injection of electricity without congestion risks in transmission networks, and the energy not withdrawn from renewable sources due to congestion or security risks.
 - (c) Network connectivity and access to all categories of network users: This criterion shall be measured by assessing the methods adopted to calculate charges and tariffs, as well as their structure, for generators, consumers and those that do both, and the operational flexibility provided for dynamic balancing of electricity in the network.
 - (d) Security and quality of supply: This criterion shall be measured by assessing the ratio of reliably available generation capacity and peak demand, the share of electricity generated from renewable sources, the stability of the electricity system, the duration and frequency of interruptions per customer, including climate related disruptions, and the voltage quality performance.
 - (e) Efficiency and service quality in electricity supply and grid operation: This criterion shall be measured by assessing the level of losses in transmission and in distribution networks, the ratio between minimum and maximum electricity demand within a defined time period, the demand side participation in electricity markets and in energy efficiency measures, the percentage utilisation (i.e. average loading) of electricity network components, the availability of network components (related to planned and unplanned maintenance) and its impact on network performances, and the actual availability of network capacity with respect to its standard value.
 - (f) Contribution to cross-border electricity markets by load-flow control to alleviate loop-flows and increase interconnection capacities: This criterion shall be estimated by assessing the ratio between interconnection capacity of a Member State and its electricity demand, the exploitation of interconnection capacities, and the congestion rents across interconnections.
- (5) Concerning oil transport projects falling under the categories set out in Annex II.3, the criteria listed in Article 4 shall be evaluated as follows:
- (a) Security of oil supply shall be measured by assessing the additional value of the new capacity offered by a project for the short and long-term resilience of the system and the remaining flexibility of the system to cope with supply disruptions under various scenarios.
 - (b) Interoperability shall be measured by assessing to what extent the project improves the operation of the oil network, in particular by providing the possibility of reverse flows.
 - (c) Efficient and sustainable use of resources shall be measured by assessing the extent to which the project makes use of already existing infrastructure and contributes to minimising environmental and climate change burden and risks.

*ANNEX V***ENERGY SYSTEM-WIDE COST-BENEFIT ANALYSIS**

The methodology for a harmonised energy system-wide cost-benefit analysis for projects of common interest shall satisfy the following principles laid down in this Annex.

- (1) The methodology shall be based on a common input data set representing the Union's electricity and gas systems in the years n+5, n+10, n+15, and n+20, where n is the year in which the analysis is performed. This data set shall comprise at least:
 - (a) in electricity: scenarios for demand, generation capacities by fuel type (biomass, geothermal, hydro, gas, nuclear, oil, solid fuels, wind, solar photovoltaic, concentrated solar, other renewable technologies) and their geographical location, fuel prices (including biomass, coal, gas and oil), carbon dioxide prices, the composition of the transmission and, if relevant, the distribution network, and its evolution, taking into account all new significant generation (including capacity equipped for capturing carbon dioxide), storage and transmission projects for which a final investment decision has been taken and that are due to be commissioned by the end of year n+5;
 - (b) in gas: scenarios for demand, imports, fuel prices (including coal, gas and oil), carbon dioxide prices, the composition of the transmission network and its evolution, taking into account all new projects for which a final investment decision has been taken and that are due to be commissioned by the end of year n+5.
- (2) The data set shall reflect Union and national law in force at the date of analysis. The data sets used for electricity and gas respectively shall be compatible, notably with regard to assumptions on prices and volumes in each market. The data set shall be elaborated after formally consulting Member States and the organisations representing all relevant stakeholders. The Commission and the Agency shall ensure access to the required commercial data from third parties when applicable.
- (3) The methodology shall give guidance for the development and use of network and market modelling necessary for the cost-benefit analysis.
- (4) The cost-benefit analysis shall be based on a harmonised evaluation of costs and benefits for the different categories of projects analysed and cover at least the period of time referred to in point (1).
- (5) The cost-benefit analysis shall at least take into account the following costs: capital expenditure, operational and maintenance expenditure over the technical lifecycle of the project and decommissioning and waste management costs, where relevant. The methodology shall give guidance on discount rates to be used for the calculations.
- (6) For electricity transmission and storage, the cost-benefit analysis shall at least take into account the impact and compensations resulting from the application of Article 13 of Regulation (EC) No 714/2009, the impacts on the indicators defined in Annex IV, and the following impacts:
 - (a) greenhouse gas emissions and transmission losses over the technical lifecycle of the project;
 - (b) future costs for new generation and transmission investment over the technical lifecycle of the project;

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- (c) operational flexibility, including optimisation of regulating power and ancillary services;
 - (d) system resilience, including disaster and climate resilience, and system security, notably for European critical infrastructures as defined in Directive 2008/114/EC.
- (7) For gas, the cost-benefit analysis shall at least take into account the results of market testing the impacts on the indicators defined in Annex IV and the following impacts:
- (a) disaster and climate resilience, and system security, notably for European critical infrastructures as defined in Directive 2008/114/EC;
 - (b) congestion in the gas network.
- (8) For smart grids, the cost-benefit analysis shall take into account the impacts on the indicators defined in Annex IV.
- (9) The detailed method used to take into account the indicators referred to in points 6 to 8 shall be elaborated after formally consulting Member States and the organisations representing all relevant stakeholders.
- (10) The methodology shall define the analysis to be carried out, based on the relevant input data set, by determining the impacts with and without each project. The area for the analysis of an individual project shall cover all Member States and third countries, on whose territory the project shall be built, all directly neighbouring Member States and all other Member States significantly impacted by the project.
- (11) The analysis shall identify the Member States on which the project has net positive impacts (beneficiaries) and those Member States on which the project has a net negative impact (cost bearers). Each cost-benefit analysis shall include sensitivity analyses concerning the input data set, the commissioning date of different projects in the same area of analysis and other relevant parameters.
- (12) Transmission, storage system and compressed and liquefied natural gas terminal operators and distribution system operators shall exchange the information necessary for the elaboration of the methodology, including the relevant network and market modelling. Any transmission or distribution system operator collecting information on behalf of other transmission or distribution system operators shall give back to the participating transmission and distribution system operators the results of the collection of data.
- (13) For the common electricity and gas market and network model set out in paragraph 8 of Article 11, the input data set referred to in point (1) shall cover the years $n+10$, $n+20$ and $n+30$ and the model shall allow for a full assessment of economic, social and environmental impacts, notably including external costs such as those related to greenhouse gas and conventional air pollutant emissions or security of supply.

▼B*ANNEX VI***GUIDELINES FOR TRANSPARENCY AND PUBLIC PARTICIPATION**

- (1) The manual of procedures referred to in Article 9(1) shall at least specify:
 - (a) the relevant law upon which decisions and opinions are based for the different types of relevant projects of common interest, including environmental law;
 - (b) the relevant decisions and opinions to be obtained;
 - (c) the names and contact details of the Competent Authority, other authorities and major stakeholders concerned;
 - (d) the work flow, outlining each stage in the process, including an indicative time frame and a concise overview of the decision-making process;
 - (e) information about the scope, structure and level of detail of documents to be submitted with the application for decisions, including a checklist;
 - (f) the stages and means for the general public to participate in the process.
- (2) The detailed schedule referred to in Article 10(4)(b) shall specify as a minimum the following:
 - (a) the decisions and opinions to be obtained;
 - (b) the authorities, stakeholders, and the public likely to be concerned;
 - (c) the individual stages of the procedure and their duration;
 - (d) major milestones to be accomplished and their deadlines in view of the comprehensive decision to be taken;
 - (e) the resources planned by the authorities and possible additional resource needs.
- (3) To increase public participation in the permit granting process and ensure in advance information and dialogue with the public, the following principles shall be applied:
 - (a) The stakeholders affected by a project of common interest, including relevant national, regional and local authorities, landowners and citizens living in the vicinity of the project, the general public and their associations, organisations or groups, shall be extensively informed and consulted at an early stage, when potential concerns by the public can still be taken into account and in an open and transparent manner. Where relevant, the competent authority shall actively support the activities undertaken by the project promoter.
 - (b) Competent authorities shall ensure that public consultation procedures for projects of common interest are grouped together where possible. Each public consultation shall cover all subject matters relevant to the particular stage of the procedure, and one subject matter relevant to the particular stage of the procedure shall not be addressed in more than one public consultation; however, one public consultation may take place in more than one geographical location. The subject matters addressed by a public consultation shall be clearly indicated in the notification of the public consultation.
 - (c) Comments and objections shall be admissible from the beginning of the public consultation until the expiry of the deadline only.

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- (4) The concept for public participation shall at least include information about:
 - (a) the stakeholders concerned and addressed;
 - (b) the measures envisaged, including proposed general locations and dates of dedicated meetings;
 - (c) the timeline;
 - (d) the human resources allocated to the respective tasks.
- (5) In the context of the public consultation to be carried out before submission of the application file, the relevant parties shall at least:
 - (a) publish an information leaflet of no more than 15 pages, giving, in a clear and concise manner, an overview of the purpose and preliminary timetable of the project, the national grid development plan, alternative routes considered, expected impacts, including of cross-border nature, and possible mitigation measures, which shall be published prior to the start of the consultation; The information leaflet shall furthermore list the web addresses of the transparency platform referred to in Article 18 and of the manual of procedures referred to in point (1);
 - (b) inform all stakeholders affected about the project through the website referred to in Article 9(7) and other appropriate information means;
 - (c) invite in written form relevant affected stakeholders to dedicated meetings, during which concerns shall be discussed.
- (6) The project website shall make available as a minimum the following:
 - (a) the information leaflet referred to in point (5);
 - (b) a non-technical and regularly updated summary of no more than 50 pages reflecting the current status of the project and clearly indicating, in case of updates, changes to previous versions;
 - (c) the project and public consultation planning, clearly indicating dates and locations for public consultations and hearings and the envisaged subject matters relevant for those hearings;
 - (d) contact details in view of obtaining the full set of application documents;
 - (e) contact details in view of conveying comments and objections during public consultations.

▼ **M3***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) 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;

(b) 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

(c) 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

(a) Several projects included in the Union lists established by Regulation (EU) No 1391/2013 and Regulation (EU) 2016/89 are no longer considered PCIs for one or more of the following reasons:

- the project has already been commissioned or is to be commissioned in the near future and so it would not benefit from the provisions of Regulation (EU) No 347/2013;

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- 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; or
- the project was ranked lower than other candidate PCIs in the selection process.

These projects (with the exception of the projects commissioned) 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 Part C of this Annex as **‘Projects no longer considered PCIs’**.

- (b) Furthermore, some projects included in the Union lists established by Regulation (EU) No 1391/2013 and Regulation (EU) 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’**.

(4) **Definition of ‘PCIs with double labelling as electricity highways’**

‘PCIs with double labelling as electricity highways’ means PCIs which belong to one of the priority electricity corridors and to the priority thematic area electricity highways.

B. THE UNION LIST OF PROJECTS OF COMMON INTEREST

(1) **Priority Corridor Northern Seas Offshore Grid (‘NSOG’)**

No	Definition
1.1	Cluster Belgium — United Kingdom [currently known as ‘NEMO’], including the following PCIs: 1.1.1 Interconnection between Gezelle (BE) and the vicinity of Richborough (UK) 1.1.2 Internal line between the vicinity of Richborough and Canterbury (UK)
1.3	Cluster Denmark — Germany, including the following PCIs: 1.3.1 Interconnection between Endrup (DK) and Niebüll (DE) 1.3.2 Internal line between Niebüll and Brunsbüttel (DE)
1.4	Cluster Denmark — Germany, including the following PCIs: 1.4.1 Interconnection between Kassø (DK) and Audorf (DE) 1.4.2 Internal line between Audorf and Hamburg/Nord (DE) 1.4.3 Internal line between Hamburg/Nord and Dollern (DE)
1.6	France — Ireland interconnection between La Martyre (FR) and Great Island or Knockraha (IE) [currently known as ‘Celtic Interconnector’]
1.7	Cluster France — United Kingdom interconnections, including one or more of the following PCIs: 1.7.1 Interconnection between Cotentin (FR) and the vicinity of Exeter (UK) [currently known as ‘FAB’]

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No	Definition
	<p>1.7.2 Interconnection between Tourbe (FR) and Chilling (UK) [currently known as 'IFA2']</p> <p>1.7.3 Interconnection between Coquelles (FR) and Folkestone (UK) [currently known as 'ElecLink']</p> <p>1.7.4 Interconnection between Le Havre (FR) and Lovedean (UK) [currently known as 'AQUIND']</p> <p>1.7.5 Interconnection between the vicinity of Dunkerque (FR) and the vicinity of Kingsnorth (UK) [currently known as 'Gridlink']</p>
1.8	<p>Cluster Germany — Norway [currently known as 'NordLink']</p> <p>1.8.1 Interconnection between Wilster (DE) and Tonstad (NO)</p> <p>1.8.2 Reinforcement of internal lines in southern Norway</p>
1.9	1.9.1 Ireland — United Kingdom interconnection between Wexford (IE) and Pembroke, Wales (UK) [currently known as 'Greenlink']
1.10	<p>Cluster United Kingdom – Norway interconnections, including one or more of the following PCIs:</p> <p>1.10.1 Interconnection between Blythe (UK) and Kvilldal (NO) [currently known as 'North Sea Link']</p> <p>1.10.2 Interconnection between Peterhead (UK) and Simadalen (NO) [currently known as 'NorthConnect']</p>
1.12	<p>Cluster of electricity storage facilities in United Kingdom, including one or more of the following PCIs:</p> <p>1.12.1 Compressed air energy storage in Larnie</p> <p>1.12.2 Compressed air energy storage in Cheshire</p> <p>1.12.3 Compressed air energy storage in Middlewich [currently known as 'CARES']</p> <p>1.12.4 Hydro-pumped electricity storage at Cruachan II</p> <p>1.12.5 Hydro-pumped electricity storage at Coire Glas</p>
1.13	Interconnection between Iceland and United Kingdom [currently known as 'Ice Link']
1.14	Interconnection between Revsing (DK) and Bicker Fen (UK) [currently known as 'Viking Link']
1.15	Interconnection between the Antwerp area (BE) and the vicinity of Kemsley (UK)
1.16	Interconnection between Netherlands and United Kingdom
1.17	Compressed air energy storage in Zuidwending (NL)
1.18	Offshore hydro-pumped electricity storage facility in Belgium [currently known as 'iLand']

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

No	Definition
2.2	<p>2.2.1 First interconnection between Lixhe (BE) and Oberzier (DE) [currently known as 'ALEGrO']</p> <p>2.2.4 Second interconnection between Belgium and Germany</p>

▼ M3

No	Definition
2.4	Interconnection between Codrongianos (IT), Lucciana (Corsica, FR) and Suvereto (IT) [currently known as ‘SACOI 3’]
2.5	2.5.1 Interconnection between Grande Ile (FR) and Piosasco (IT) [currently known as ‘Savoie-Piemont’]
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 ‘Ultrahnet’]
2.10	Internal line between Brunsbüttel-Großgartach and Wilster-Grafenrheinfeld (DE) to increase capacity at northern and southern borders [currently known as ‘Suedlink’]
2.13	Cluster Ireland — United Kingdom interconnections, including the following PCIs: 2.13.1 Interconnection between Woodland (IE) and Turleenan (UK) 2.13.2 Interconnection between Srananagh (IE) and Turleenan (UK)
2.14	Interconnection between Thusis/Sils (CH) and Verderio Inferiore (IT) [currently known as ‘Greenconnector’]
2.15	2.15.1 Interconnection between Airolo (CH) and Baggio (IT)
2.16	Cluster of internal lines, 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 — Fontefria (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), Fontefria (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’]
2.24	Internal Belgian Backbone West between Horta-Mercator (BE)
2.27	2.27.1 Interconnection between Aragón (ES) and Atlantic Pyrenees (FR) 2.27.2 Interconnection between Navarra (ES) and Landes (FR)
2.28	2.28.1 Hydro-pumped electricity storage Mont-Negre (ES) 2.28.2 Hydro-pumped electricity storage Navaleo (ES) 2.28.3 Hydro-pumped electricity storage Girones & Raimats (ES)

▼ **M3**(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)
3.2	3.2.2 Internal line between Lienz and Obersielach (AT)
3.4	Interconnection between Wurlach (AT) and Somplago (IT)
3.7	Cluster Bulgaria — Greece between Maritsa East 1 and N. Santa and the necessary internal reinforcements in Bulgaria, including the following PCIs: 3.7.1 Interconnection between Maritsa East 1 (BG) and N. Santa (EL) 3.7.2 Internal line between Maritsa East 1 and Plovdiv (BG) 3.7.3 Internal line between Maritsa East 1 and Maritsa East 3 (BG) 3.7.4 Internal line between Maritsa East 1 and Burgas (BG)
3.8	Cluster Bulgaria — Romania capacity increase [currently known as 'Black Sea Corridor'], including the following PCIs: 3.8.1 Internal line between Dobrudja and Burgas (BG) 3.8.4 Internal line between Cernavoda and Stalpu (RO) 3.8.5 Internal line between Gutinas and Smardan (RO)
3.9	3.9.1 Interconnection between Žerjavenec (HR)/Hévíz (HU) and Cirkovce (SI)
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) 3.10.3 Internal line between Korakia, Crete and Attica region (EL)
3.11	Cluster of internal lines in Czech Republic, 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) 3.11.5 Internal line between Mirovka and line V413 (CZ)
3.12	Internal line in Germany between Wolmirstedt and Bavaria to increase internal North-South transmission capacity
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)

▼ **M3**

No	Definition
3.16	3.16.1 Interconnection Hungary – Slovakia between Gabčíkovo (SK) and Gönyű (HU) and Veľký Ďúr (SK)
3.17	Interconnection Hungary – Slovakia between Sajóvátka (HU) and Rimavská Sobota (SK)
3.21	Interconnection between Salgareda (IT) and Divača — Bericevo region (SI)
3.22	Cluster Romania — Serbia [currently known as ‘Mid Continental East Corridor’] and Italy – Montenegro, 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) 3.22.5 Interconnection between Villanova (IT) and Lastva (ME)
3.23	Hydro-pumped electricity storage in Yadenitsa (BG)
3.24	Hydro-pumped electricity storage in Amfilochia (EL)
3.27	Interconnection between Sicily (IT) and Tunisia node (TU) [currently known as ‘ELMED’]

(4) **Priority Corridor Baltic Energy Market Interconnection Plan (‘BEMIP Electricity’)**

No	Definition
4.1	Denmark — Germany interconnection between Ishøj/Bjæverskov (DK) and Bentwisch (DE) via offshore windparks Kriegers Flak (DK) and Baltic 1 and 2 (DE) [currently known as ‘Kriegers Flak Combined Grid Solution’]
4.2	Cluster Estonia — Latvia between Kilingi-Nõmme and Riga [currently known as ‘Third interconnection’], including the following PCIs: 4.2.1 Interconnection between Kilingi-Nõmme (EE) and Riga CHP2 substation (LV) 4.2.2 Internal line between Harku and Sindi (EE) 4.2.3 Internal line between Riga CHP 2 and Riga HPP (LV)
4.4	4.4.1 Internal line between Ventspils, Tume and Imanta (LV) 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
4.7	Capacity increase of hydro-pumped electricity storage at Kruonis (LT)

▼ **M3**

No	Definition
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 Eesti and Tsirguliina (EE) 4.8.5 Internal line between substation in Lithuania and state border (LT) 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 of the synchronisation of the Baltic States' electricity system with the European networks
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)

(5) **Priority Corridor North-South Gas Interconnections in Western Europe (‘NSI West Gas’)**

No	Definition
5.1	5.1.1 Physical reverse flow at Moffat interconnection point (IE/UK) 5.1.2 Upgrade of the SNIP (Scotland to Northern Ireland) pipeline to accommodate physical reverse flow between Ballylumford and Twynholm 5.1.3 Development of the Islandmagee Underground Gas Storage (UGS) facility at Larne (Northern Ireland)
5.3	Shannon LNG Terminal and connecting pipeline (IE)
5.4	5.4.1 Interconnection ES-PT (3rd interconnection) – 1st phase 5.4.2 Interconnection ES-PT (3rd interconnection) – 2nd phase
5.5	5.5.1 South Transit East Pyrenees [currently known as ‘STEP’] 5.5.2 Eastern Gas Axis Spain — France — interconnection point between Iberian Peninsula and France, including the compressor stations at St-Avit, Palleau and St. Martin de Crau [currently known as ‘Midcat’]
5.10	Reverse flow interconnection on TENP pipeline in Germany
5.11	Reverse flow interconnection between Italy and Switzerland at Passo Gries interconnection point
5.19	Connection of Malta to the European gas network — pipeline interconnection with Italy at Gela
5.21	Adaptation low to high calorific gas in France and Belgium

▼ M3

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

No	Definition
6.2	<p>Interconnection between Poland, Slovakia, Czech Republic and Hungary with the related internal reinforcements, including one or more of the following PCIs groups:</p> <p>6.2.1 Poland — Slovakia interconnection</p> <p>6.2.2 North – South Gas Corridor in Eastern Poland</p> <p>and</p> <p>6.2.10 Poland – Czech Republic interconnection [currently known as ‘Stork II’]</p> <p>6.2.11 North – South Gas Corridor in Western Poland</p> <p>6.2.12 Tvrdonice-Libhošť pipeline, including upgrade of CS Břeclav (CZ),</p> <p>and the following PCIs:</p> <p>6.2.13 Increase of the transmission capacity at the Slovakia – Hungary interconnection</p> <p>6.2.14 Enhancement of the Hungarian transmission system between Vecsés and Városhőd required for the increased capacity at the Slovakia-Hungary interconnection</p>
6.4	<p>PCI Bidirectional Austrian — Czech interconnection (BACI) between Baumgarten (AT) – Reinthal (CZ/AT) — Břeclav (CZ), with capacity up to 6,57 bcm/a (!)</p>
6.5	<p>Cluster Krk LNG terminal with connecting and evacuation pipelines towards Hungary and beyond, including the following PCIs:</p> <p>6.5.1 Development of a LNG terminal in Krk (HR) up to 2,6 bcm/a – Phase I and connecting pipeline Omišalj – Zlobin (HR)</p> <p>6.5.5 ‘Compressor station 1’ at the Croatian gas transmission system</p> <p>6.5.6 Expansion of LNG terminal in Krk (HR) above 2,6 bcm/a – Phase II and evacuation pipelines Zlobin – Bosiljevo – Sisak – Kozarac – Slobodnica (HR)</p>
6.8	<p>Cluster Interconnection Greece – Bulgaria, and necessary reinforcements in Bulgaria, 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>
6.9	<p>6.9.1 LNG terminal in northern Greece</p>
6.10	<p>PCI 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>6.20.6 Sarmasel underground gas storage in Romania</p>

▼ M3

No	Definition
6.23	Hungary – Slovenia interconnection (Nagykanizsa — Tornyiszentmiklós (HU) — Lendava (SI) — Kidričevo)
6.24	<p>Cluster phased capacity increase on the Bulgaria — Romania — Hungary — Austria bidirectional transmission corridor (currently known as ‘ROHUAT/BRUA’) to enable 1,75 bcm/a in the 1st phase, 4,4 bcm/a in the 2nd phase, and including new resources from the Black Sea in the 2nd and/or 3rd phase:</p> <p>6.24.1 ROHUAT/BRUA – 1st phase, including:</p> <ul style="list-style-type: none"> — Romanian-Hungarian reverse flow: Hungarian section 1st stage compressor station at Csanádpalota — Development of the transmission capacity in Romania from Podișor to Recas, including, a new pipeline, metering station and three new compressor stations in Podișor, Bibesti and Jupa — GCA Mosonmagyaróvár compressor station (development on the Austrian side) <p>6.24.4 ROHUAT/BRUA – 2nd phase, including:</p> <ul style="list-style-type: none"> — Városföld-Ercsi– Győr pipeline (HU) — Ercsi-Százhalombatta pipeline (HU) — Városföld compressor station (HU) — 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 Podișor, 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 or Algyő (HU) <p>6.24.10 ROHUAT/BRUA – 3rd phase, including:</p> <ul style="list-style-type: none"> — Enhancement of the Romanian transmission system between Onesti-Isaccea and reverse flow at Isaccea — Enhancement of the Romanian transmission system between Onesti – Nadlac — Extension of the Romanian transmission system for taking over gas from the Black Sea shore
6.25	<p>Cluster infrastructure to bring new gas to the Central and South-Eastern European region with the aim of diversification, including the following PCIs, developed in a coordinated and efficient manner:</p> <p>6.25.1 Pipeline system from Bulgaria via Romania and Hungary to Slovakia [currently known as ‘Eastring’]</p> <p>6.25.4 Infrastructure to allow the development of the Bulgarian gas hub</p>
6.26	<p>6.26.1 Cluster Croatia — Slovenia — Austria at Rogatec, including:</p> <ul style="list-style-type: none"> — Interconnection Croatia — Slovenia (Lučko — Zabok — Rogatec) — Compressor station Kidričevo, 2nd phase of upgrade (SI) — Compressor stations 2 and 3 at the Croatian gas transmission system — GCA 2015/08: Entry/Exit Murfeld (AT) — Upgrade of Murfeld/Ceršak interconnection (AT-SI) — Upgrade of Rogatec interconnection

(¹) Implementation of BACI as a PCI will depend on the outcome of the pilot project ‘Trading Regional Upgrade’.

▼ **M3**(7) **Priority Corridor Southern Gas Corridor ('SGC')**

No	Definition
7.1	<p>PCI Cluster of integrated, dedicated and scalable transport infrastructure and associated equipment for the transportation of a minimum of 10 bcm/a of new sources of gas from the Caspian Region, crossing Azerbaijan, Georgia and Turkey and reaching EU markets in Greece and Italy, and including the following PCIs:</p> <p>7.1.1 Gas pipeline to the EU from Turkmenistan and Azerbaijan, via Georgia and Turkey, [currently known as the combination of 'Trans-Caspian Gas Pipeline' (TCP), 'South-Caucasus Pipeline FutureExpansion' (SCPFEX) and 'Trans Anatolia Natural Gas Pipeline' (TANAP)]</p> <p>7.1.3 Gas pipeline from Greece to Italy via Albania and the Adriatic Sea [currently known as 'Trans-Adriatic Pipeline' (TAP)], including metering and regulating station and compressor station at Nea Messimvria</p>
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 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 the South-North internal transmission capacities in Italy [currently known as 'Adriatica Line']</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
8.1	8.1.1 Interconnection Estonia — Finland [currently known as 'Balticconnector']
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>8.2.2 Enhancement of Estonia — Latvia interconnection</p> <p>8.2.4 Enhancement of Inčukalns Underground Gas Storage (LV)</p>
8.3	<p>Cluster infrastructure, including the following PCIs:</p> <p>8.3.1 Reinforcement of Nybro — Poland/Denmark Interconnection</p> <p>8.3.2 Poland–Denmark interconnection [currently known as 'Baltic Pipe']</p>
8.5	Poland-Lithuania interconnection [currently known as 'GIPL']
8.6	Gothenburg LNG terminal in Sweden
8.7	Capacity extension of Świnoujście LNG terminal in Poland

▼ **M3****(9) Priority Corridor Oil Supply Connections in Central Eastern Europe ('OSC')**

No	Definition
9.1	Adamowo — Brody pipeline: pipeline connecting the JSC Uktransnafta's handling site in Brody (Ukraine) and Adamowo Tank Farm (Poland)
9.2	Bratislava — Schwechat — Pipeline: pipeline linking Schwechat (Austria) and Bratislava (Slovak Republic)
9.4	Litvinov (Czech Republic) — Spergau (Germany) pipeline: the extension project of the Družba crude oil pipeline to the refinery TRM Spergau
9.5	Cluster Pomeranian pipeline (Poland), including the following PCIs: 9.5.1. Construction of oil terminal in Gdańsk (phase II) 9.5.2. Expansion of the Pomeranian pipeline: the second line of the pipeline
9.6	TAL Plus: capacity expansion of the TAL pipeline between Trieste (Italy) and Ingolstadt (Germany)

(10) Priority Thematic Area Smart Grids Deployment

No	Definition
10.3	SINCRO.GRID (Slovenia, Croatia) - An innovative integration of synergetic, mature technology-based solutions in order to increase the security of operations of the Slovenian and Croatian electricity systems simultaneously
10.4	ACON (Czech Republic, Slovakia) - The main goal of ACON (Again Connected Networks) is to foster the integration of the Czech and the Slovak electricity markets
10.5	ALPGRID (Austria, Italy) - An innovative integration of synergetic, mature, technology-based solutions in order to simultaneously increase the operational efficiency of the Italian and Austrian regional electricity systems
10.6	Smart Border Initiative (France, Germany) - The Smart Border Initiative will connect policies designed by France and Germany in order to support their cities and territories in their energy transition strategies and European market integration

(11) Priority Thematic Area Electricity Highways

List of PCIs with double labelling as electricity highways

No	Definition
Priority Corridor Northern Seas Offshore Grid ('NSOG')	
1.1	1.1.1 Interconnection between Gezelle (BE) and the vicinity of Richborough (UK)
1.3	Cluster Denmark — Germany, including the following PCIs: 1.3.1 Interconnection between Endrup (DK) and Niebüll (DE) 1.3.2 Internal line between Niebüll and Brunsbüttel (DE)

▼ M3

No	Definition
1.4	Cluster Denmark — Germany, including the following PCIs: 1.4.1 Interconnection between Kassø (DK) and Audorf (DE) 1.4.2 Internal line between Audorf and Hamburg/Nord (DE) 1.4.3 Internal line between Hamburg/Nord and Dollern (DE)
1.6	France — Ireland interconnection between La Martyre (FR) and Great Island or Knockraha (IE) [currently known as ‘Celtic Interconnector’]
1.7	Cluster France — United Kingdom interconnections, including one or more of the following PCIs: 1.7.1 Interconnection between Cotentin (FR) and the vicinity of Exeter (UK) [currently known as ‘FAB’] 1.7.2 Interconnection between Tourbe (FR) and Chilling (UK) [currently known as ‘IFA2’] 1.7.3 Interconnection between Coquelles (FR) and Folkestone (UK) [currently known as ‘ElecLink’] 1.7.4 Interconnection between Le Havre (FR) and Lovedean (UK) [currently known as ‘AQUIND’] 1.7.5 Interconnection between the vicinity of Dunkerque (FR) and the vicinity of Kingsnorth (UK) [currently known as ‘Gridlink’]
1.8	Cluster Germany — Norway [currently known as ‘NordLink’] 1.8.1 Interconnection between Wilster (DE) and Tonstad (NO) 1.8.2 Reinforcement of internal lines in southern Norway
1.10	Cluster United Kingdom – Norway interconnections, including one or more of the following PCIs: 1.10.1 Interconnection between Blythe (UK) and Kvilldal (NO) [currently known as ‘North Sea Link’] 1.10.2 Interconnection between Peterhead (UK) and Simadalen (NO) [currently known as ‘NorthConnect’]
1.13	Interconnection between Iceland and United Kingdom [currently known as ‘Ice Link’]
1.14	Interconnection between Revsing (DK) and Bicker Fen (UK) [currently known as ‘Viking Link’]
1.15	Interconnection between the Antwerp area (BE) and the vicinity of Kemsley (UK)
1.16	Interconnection between Netherlands and United Kingdom
Priority Corridor North-South Electricity Interconnections in Western Europe (‘NSI West Electricity’)	
2.2	2.2.1 First interconnection between Lixhe (BE) and Oberzier (DE) [currently known as ‘ALEGrO’] 2.2.4 Second interconnection between Belgium and Germany
2.4	Interconnection between Codrongianos (IT), Lucciana (Corsica, FR) and Suvereto (IT) [currently known as ‘SACOI 3’]

▼ **M3**

No	Definition
2.5	2.5.1 Interconnection between Grande Ile (FR) and Piosasco (IT) [currently known as ‘Savoie- Piemont’]
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-Großgartach and Wilster-Grafenrheinfeld (DE) to increase capacity at northern and southern borders [currently known as ‘Suedlink’]
2.13	Cluster Ireland — United Kingdom interconnections, including the following PCIs: 2.13.1 Interconnection between Woodland (IE) and Turleenan (UK) 2.13.2 Interconnection between Srananagh (IE) and Turleenan (UK)

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

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) 3.10.3 Internal line between Korakia, Crete and Attica region (EL)
3.12	Internal line in Germany between Wolmirstedt and Bavaria to increase internal North-South transmission capacity
3.27	Interconnection between Sicily (IT) and Tunisia node (TU) [currently known as ‘ELMED’]

Priority Corridor Baltic Energy Market Interconnection Plan (‘BEMIP Electricity’)

4.1	Denmark — Germany interconnection between Tolstrup Gaarde (DK) and Bentwisch (DE) via offshore windparks Kriegers Flak (DK) and Baltic 1 and 2 (DE) [currently known as ‘Kriegers Flak Combined Grid Solution’]
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(12) **Cross-border carbon dioxide network**

No	Definition
12.1	Teesside CO ₂ hub (United Kingdom, in further phases Netherlands, Belgium, Germany)
12.2	CO ₂ -Sapling Transport and Infrastructure Project (United Kingdom, in further phases Netherlands, Norway)
12.3	The Rotterdam Nucleus (Netherlands and United Kingdom)
12.4	CO ₂ cross-border transport connections between emission sources in United Kingdom and Netherlands and a storage site in Norway

▼ M3**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
1.1.3
1.2
1.5
1.9.2
1.9.3
1.9.4
1.9.5
1.9.6
1.11.1
1.11.2
1.11.3
1.11.4

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

PCI numbers of the projects no longer considered PCIs
2.2.2
2.2.3
2.3.1
2.3.2
2.5.2
2.6
2.8
2.11.1
2.11.2
2.11.3
2.12
2.15.2
2.15.3

▼ **M3**

2.15.4	
2.16.2	
2.19	
2.20	
2.21	
2.22	
2.25.1	
2.25.2	
2.26	
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
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
3.5.1
3.5.2
3.6.1
3.6.2
3.8.2
3.8.3
3.8.6
3.9.2
3.9.3
3.9.4
3.13
3.14.1
3.15.1

▼ **M3**

3.15.2	
3.16.2	
3.16.3	
3.18.1	
3.18.2	
3.19.2	
3.19.3	
3.20.1	
3.20.2	
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
3.19.1	3.22.5

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

PCI numbers of the projects no longer considered PCIs	
4.5.1	
4.5.3	
4.5.4	
4.5.5	
4.8.6	
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
5.2
5.6

▼ **M3**

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

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
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
6.3
6.5.3
6.5.4
6.7
6.8.3
6.9.2
6.9.3
6.11
6.12

▼ M3

6.16
6.17
6.19
6.20.1
6.20.5
6.21
6.22.1
6.22.2
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

▼ **M3**

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
6.6	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
7.1.2
7.1.5
7.1.7
7.2.1
7.2.2

▼ **M3**

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

8.8

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

PCI numbers of the projects no longer considered PCIs

9.3

(10) Priority Thematic Area Smart Grids Deployment

PCI numbers of the projects no longer considered PCIs

10.1

10.2

(11) Priority Thematic Area Electricity Highways

PCI numbers of the projects no longer considered PCIs

1.5

▼B**Statement by the European Commission as regards the eligibility of projects of common interest for EU financial assistance in the context of trans-European energy infrastructures (Chapter V of Regulation (EU) No 347/2013 of the European Parliament and of the Council ⁽¹⁾)**

The Commission underlines that it considers important that the support from EU and national sources extends to grants for works to enable the implementation of projects of common interest enhancing the diversification of energy supply sources, routes and counterparts. The Commission reserves the right to make proposals in this direction based on the experience gained from the monitoring of the implementation of projects of common interest in the context of the report foreseen in Article 17 of the Regulation on guidelines for trans-European energy infrastructures.

⁽¹⁾ See page 39 of this Official Journal.