

Basic information

2020/0360(COD)

COD - Ordinary legislative procedure (ex-codecision procedure)
Regulation

Procedure completed

Trans-European energy infrastructure

Subject

3.60.06 Trans-European energy networks

Legislative priorities

[Joint Declaration 2022](#)

Key players

European
Parliament

Committee responsible

ITRE Industry, Research and Energy

Rapporteur

KRASNODĘBSKI Zdzisław
(ECR)

Appointed

05/01/2021

Shadow rapporteur

BERENDSEN Tom (EPP)

BERGKVIST Erik (S&D)

GAMON Claudia (Renew)

TOUSSAINT Marie (Greens
/EFA)

BORCHIA Paolo (ID)

PEREIRA Sandra (The Left)

Committee for opinion

ECON Economic and Monetary Affairs

Rapporteur for opinion

The committee decided not
to give an opinion.

Appointed

ENVI Environment, Public Health and Food Safety

TOUSSAINT Marie (Greens
/EFA)

18/02/2021

IMCO Internal Market and Consumer Protection

The committee decided not
to give an opinion.

TRAN Transport and Tourism

BORCHIA Paolo (ID)

25/01/2021

REGI Regional Development

21/01/2021

		BOTOȘ Vlad-Marius (Renew)	
Council of the European Union			
European Commission	Commission DG	Commissioner	
	Energy	SIMSON Kadri	
European Economic and Social Committee			
European Committee of the Regions			

Key events			
Date	Event	Reference	Summary
15/12/2020	Legislative proposal published	COM(2020)0824 	Summary
18/01/2021	Committee referral announced in Parliament, 1st reading		
27/09/2021	Vote in committee, 1st reading		
27/09/2021	Committee decision to open interinstitutional negotiations with report adopted in committee		
30/09/2021	Committee report tabled for plenary, 1st reading	A9-0269/2021	Summary
04/10/2021	Committee decision to enter into interinstitutional negotiations announced in plenary (Rule 71)		
06/10/2021	Committee decision to enter into interinstitutional negotiations confirmed by plenary (Rule 71)		
26/01/2022	Approval in committee of the text agreed at 1st reading interinstitutional negotiations	GEDA/A/(2022)000198	
05/04/2022	Decision by Parliament, 1st reading	T9-0105/2022	Summary
05/04/2022	Results of vote in Parliament		
05/04/2022	Debate in Parliament		
06/05/2022	Act adopted by Council after Parliament's 1st reading		
30/05/2022	Final act signed		
03/06/2022	Final act published in Official Journal		

Technical information	
Procedure reference	2020/0360(COD)
Procedure type	COD - Ordinary legislative procedure (ex-codecision procedure)
Procedure subtype	Legislation
Legislative instrument	Regulation

Legal basis	Treaty on the Functioning of the European Union TFEU 172
Mandatory consultation of other institutions	European Economic and Social Committee European Committee of the Regions
Stage reached in procedure	Procedure completed
Committee dossier	ITRE/9/04916

Documentation gateway

European Parliament

Document type	Committee	Reference	Date	Summary
Committee draft report		PE691.151	26/03/2021	
Amendments tabled in committee		PE691.345	21/04/2021	
Amendments tabled in committee		PE691.400	21/04/2021	
Amendments tabled in committee		PE691.401	21/04/2021	
Committee opinion	REGI	PE691.110	22/06/2021	
Committee opinion	ENVI	PE689.773	29/06/2021	
Committee opinion	TRAN	PE689.672	30/06/2021	
Committee report tabled for plenary, 1st reading/single reading		A9-0269/2021	30/09/2021	Summary
Text adopted by Parliament, 1st reading/single reading		T9-0105/2022	05/04/2022	Summary

Council of the EU

Document type	Reference	Date	Summary
Coreper letter confirming interinstitutional agreement	GEDA/A/(2022)000198	22/12/2021	
Draft final act	00002/2022/LEX	30/05/2022	

European Commission

Document type	Reference	Date	Summary
Legislative proposal	COM(2020)0824 	15/12/2020	Summary
Document attached to the procedure	SEC(2020)0431	15/12/2020	
Document attached to the procedure	SWD(2020)0346 	15/12/2020	
Document attached to the procedure	SWD(2020)0347 	15/12/2020	
Commission response to text adopted in plenary	SP(2022)281	01/06/2022	

National parliaments

Parliament			

Document type	/Chamber	Reference	Date	Summary
Contribution	PT_PARLIAMENT	COM(2020)0824	11/03/2021	
Contribution	ES_PARLIAMENT	COM(2020)0824	11/03/2021	
Contribution	CZ_SENATE	COM(2020)0824	24/03/2021	
Contribution	RO_SENATE	COM(2020)0824	20/04/2021	

Other institutions and bodies

Institution/body	Document type	Reference	Date	Summary
EESC	Economic and Social Committee: opinion, report	CES5835/2020	24/03/2021	
CofR	Committee of the Regions: opinion	CDR0722/2021	01/07/2021	

Additional information

Source	Document	Date
EP Research Service	Briefing	25/02/2021
European Commission	EUR-Lex	

Final act

[Regulation 2022/0869](#)
OJ L 152 03.06.2022, p. 0045

Delegated acts

Reference	Subject
2023/3007(DEA)	Examination of delegated act
2025/3009(DEA)	Examination of delegated act

Trans-European energy infrastructure

2020/0360(COD) - 30/09/2021 - Committee report tabled for plenary, 1st reading/single reading

The Committee on Industry, Research and Energy adopted the report by Zdzisław KRASNODEBSKI (ECR, PL) on the proposal for a regulation of the European Parliament and of the Council on guidelines for trans-European energy infrastructure and repealing Regulation (EU) No 347/2013.

The proposed regulation aims to revise the EU rules on Trans-European Energy Networks (TEN-E) to align them with the upgraded 2030 targets and the 2050 climate neutrality objective under the European Green Deal.

The committee responsible recommended that the European Parliament's position adopted at first reading under the ordinary legislative procedure should amend the proposal as follows:

EU list of projects of common interest and projects of mutual interest

Projects of common interest are infrastructure projects considered essential for delivering on EU objectives in the energy field, including improved interconnection between national markets, greater competitiveness, security of supply and promotion of renewables.

The decision-making body of each Group should adopt a regional list of proposed projects of common interest. Where a Group draws up its regional list: it should prepare and publish a report containing at least a description of each individual project, the promoter's Presentations and the methodology adopted by the Group.

Members stressed that the projects should be in line with the **'energy efficiency first'** principle and contributes to sustainability.

Projects of mutual interest should be assimilated with projects of common interest and be eligible for cross-border cost allocation decisions for the part of the investment costs located on the territory of the EU or in countries applying the Union *acquis* and which have concluded an agreement with the EU.

New infrastructure categories

Members suggested that the following specific criteria should apply to projects of common interest falling within specific energy infrastructure categories. For district heating and cooling systems falling under the energy infrastructure category, the project is to contribute significantly to sustainability by enabling and facilitating the integration of renewable and waste heat and cold to reduce greenhouse gas emissions, as well as a better integration and interlinking of the sectors.

Phasing-out of natural gas

Members supported funding the development of hydrogen infrastructure, such as electrolysers, as well as carbon capture and storage. They also insisted on the need to support public participation in the selection process. Projects based on natural gas will no longer be eligible for EU funding. However, a temporary derogation will allow, under strict conditions, natural gas projects from the fourth or fifth list of projects of common interest to be eligible for a streamlined authorisation procedure.

Repurposing natural gas

The selected projects should help Member States to move away from solid fossil fuels such as coal, lignite, peat and oil shale, according to Members. The report also proposed funding projects that repurpose existing natural gas infrastructure for hydrogen transport or storage.

Offshore grids

While commending the inclusion of offshore grids into the scope of the regulation, the report highlighted that Member States are currently in different phases of development of their offshore infrastructure. More investment is needed in offshore renewable energy and new radial links connecting new offshore wind capacities, as well as hybrid integrated projects, are needed.

Scenarios for the ten-year network development plans

By 31 July 2022, the Agency, after having conducted an extensive consultation process involving all relevant stakeholders, should publish the framework guidelines for the joint scenarios to be developed by ENTSO for Electricity and ENTSO for Gas.

Members proposed that the guidelines should establish standards for a transparent, non-discriminatory and robust development of scenarios taking into account best practices in the field of network development planning. The joint scenarios should also include a long-term perspective until 2050 and include intermediary steps as appropriate.

The report noted that while being eligible for inclusion in regional groups' project lists as soon as this Regulation enters into force, smart electricity grids, smart gas grids, hydrogen, electrolysers and heating and cooling networks are not currently included in the Union-wide ten-year network development plan. The requirement for those projects should only apply as of 1 January 2024 for the purposes of the second Union list drawn pursuant to this Regulation.

Integrated energy market and network model

The needs of an integrated energy market go beyond a physical cross-border footprint of infrastructure projects in order to contribute to the TEN-E pillars, such as sustainability or security of supply. There is a need for cross-border projects that have a positive effect on the Union's power grid, such as smart electricity grids or electrolysers, without involving a physical common border.

The integrated model should be updated to include heating infrastructure not later than 31 December 2024. Where relevant, the model should also take into consideration the distribution infrastructure. As part of the integrated model the ENTSO for Electricity and the ENTSO for Gas shall develop a common cost benefit methodology to be used for the cross-sectorial assessment.

Cost allocation and cross-border allocation

The costs for the development, construction, operation and maintenance of projects of common interest should in general be **fully borne by the users of the infrastructure**. The cost allocation should ensure that end-users are **not disproportionately burdened**, especially if that could lead to energy poverty.

Trans-European energy infrastructure

The European Parliament adopted by 410 votes to 146, with 72 abstentions, a legislative resolution on the proposal for a regulation of the European Parliament and of the Council on guidelines for trans-European energy infrastructure and repealing Regulation (EU) No 347/2013.

The European Parliament's position adopted at first reading under the ordinary legislative procedure amends the Commission's proposal as follows:

The Regulation lays down guidelines for the development and interoperability of the trans-European energy infrastructure corridors and priority areas set out in Annex I which contribute to:

- **ensuring climate change mitigation**, in particular to achieve the Union's 2030 energy and climate objectives and its objective of climate neutrality by 2050, and

- **ensure interconnections, energy security, market and system integration, competition that benefits of all Member States and affordable energy prices.**

The regulation provides for the identification of **projects of common interest and projects of mutual interest** (projects promoted by the EU in cooperation with third countries) on the EU list. It will also facilitate the implementation of EU-listed projects by streamlining, coordinating more closely and speeding up permit granting procedures, as well as increasing transparency and public participation.

Members supported funding for projects related to the development of hydrogen infrastructure and carbon capture and storage. The revised TEN-E framework will encourage investment in hydrogen and CO2 networks and the development of offshore networks.

The revised framework provides for, *inter alia*:

- ending support for new natural gas and oil projects and introducing **mandatory sustainability criteria** for all projects. The Union will have to facilitate energy projects in disadvantaged, less connected, peripheral, outermost or isolated regions in order to provide access to trans-European energy networks to accelerate the decarbonisation process and **reduce dependency on fossil fuels**;

- include in the scope of the Regulation projects of mutual interest, where they are sustainable and demonstrate EU-wide benefits;

- simplify and speed up permitting and authorisation procedures, including the creation of a **single contact point per project** for permits and authorisations. Projects that are no longer on the list of projects of common interest, but for which an application has been accepted for examination

by the competent authority, will be able to retain their rights and obligations in terms of quicker granting process;

- to allow, during a **transitional period until 31 December 2029**, the use of hydrogen assets converted from natural gas assets to transport or store a predefined mixture of hydrogen with natural gas or biomethane. The eligibility of these projects for EU financial support will end on 31 December 2027;

- in the case of **Cyprus and Malta**, which are still not interconnected to the trans-European gas network, to allow one interconnector per Member State under development or planning which has been granted the status of a project of common interest and which is necessary to ensure the permanent interconnection of Cyprus and Malta to the trans-European gas network. The derogation will apply until Cyprus or Malta, respectively, is directly interconnected to the trans-European gas network or until 31 December 2029;

- include in the scope of the Regulation **certain types of electrolyzers** with a capacity of at least 50 MW, supplied by a single electrolyser or by a group of electrolyzers which form a single coordinated project and which contribute to sustainability. Electrolysers will not be eligible for funding;

- highlight the role of energy from renewable sources in relation to all assets, including smart gas grids;

- create a **non-binding cooperation** possibility in the field of offshore grid planning;

- add an explicit reference to Article 136 of the EU Financial Regulation, which lists the situations in which a person or entity is excluded from being selected to receive EU funding, such as fraud, corruption or conduct relating to criminal organisations;

- strengthen the TEN-E governance process by **enhancing the role of relevant stakeholders**. The consultation should be open and transparent and should be organised in a timely manner to allow for stakeholders' feedback in the preparation of key phases of the Union-wide ten-year network development plans, such as the scenario development, infrastructure gaps identification and the cost-benefit analysis methodology for project assessment. The ENTSO for Electricity and the ENTSO for Gas should give due consideration to the input received from stakeholders during consultations and should explain how they took that input into account.

Trans-European energy infrastructure

2020/0360(COD) - 15/12/2020 - Legislative proposal

PURPOSE: to revise the EU rules on Trans-European Networks for Energy (the TEN-E Regulation) to better support the modernisation of Europe's cross-border energy infrastructure and achieve the objectives of the European Green Deal.

PROPOSED ACT: Regulation of the European Parliament and of the Council.

ROLE OF THE EUROPEAN PARLIAMENT: the European Parliament decides in accordance with the ordinary legislative procedure and on an equal footing with the Council.

BACKGROUND: Regulation (EU) No 347/2013 (TEN-E Regulation) has enabled the EU to achieve the main objectives of its energy policy by establishing rules for the definition and development of projects of common interest (PCIs), which will ensure the interoperability of trans-European energy networks, the functioning of the internal energy market, security of supply in the Union and the integration of renewable energies.

While the objectives of Regulation (EU) No 347/2013 remain largely valid, the current TEN-E framework does not yet fully reflect the expected changes to the energy system that will result from the new political context and in particular the upgraded 2030 targets and the 2050 climate neutrality objective under the European Green Deal.

The EU needs to significantly increase electricity production from renewable sources if the share of electricity generated from renewable energy sources, increasingly located offshore, is to exceed 80% by 2050. It is estimated that the upscale of offshore renewable energy in Europe by 2050 would cost EUR 800 billion, two-thirds of which would be spent on associated grid infrastructure.

The European Council endorsed an electricity interconnection target of at least 15 %. An estimated annual average investment of EUR 50.5 billion for electricity transmission and distribution grids is required for achieving the 2030 targets alone.

Hydrogen is expected to account for approximately 46% - 49% of all renewable and low-carbon gases in 2050. By 2030, total investments needs in hydrogen electrolyzers are estimated between EUR 24-42 billion. About EUR 65 billion would be needed for hydrogen transport, distribution and storage.

To move towards a climate-neutral economy powered by clean energy, Europe therefore needs new infrastructures adapted to new technologies.

CONTENT: the proposal for a revision of the EU rules on Trans-European Energy Networks (TEN-E) aims in particular to:

- enable the identification of cross-border projects and investments throughout the EU and with neighbouring countries that are necessary for energy transition and the achievement of climate objectives;
- improve infrastructure planning for energy system integration and offshore grids;
- shorten permitting procedures for PCIs to avoid delays in projects that facilitate the energy transition.

Sustainability criteria

All projects should meet mandatory sustainability criteria and respect the 'do no harm' principle as set out in the Green Deal in order to allow a rapid and cost-efficient decarbonisation of the energy system and the economy more generally.

Categories of eligible infrastructure

The proposal updates the categories of infrastructure eligible for financial support under the TEN-E policy, removing support for oil and gas infrastructure.

In particular, the proposal:

- updates the criteria for smart electricity grids, taking into account elements relating to innovation and digital aspects. Smart grid technologies should help to improve energy network support for high-capacity recharging to support the decarbonisation of the transport sector;
- gives a greater role to renewable and low-carbon gases by creating a new category of infrastructure for smart gas networks. The objective is to support investments in distribution and/or transport to integrate green gases (typically biogas and biomethane, but also hydrogen) into the network based on innovative technologies;
- focuses on infrastructures using hydrogen, including transport and certain types of electrolyzers;
- insists on the need to develop the network necessary for the expected considerable increase in electricity production from offshore grids for renewable energy sources.

Governance

The proposal:

- revises the governance framework by increasing stakeholder involvement throughout the process, strengthening the role of the EU Agency for the Cooperation of Energy Regulators (ACER) and enhanced oversight by the Commission;
- reinforces the transparency obligation imposed on project promoters and revises existing provisions in order to increase clarity and transparency of cross-border cost allocation and speed up investments in cross-border infrastructure;
- introduces new provisions on support for interconnection projects with third countries (projects of mutual interest or PMIs) that demonstrate their mutual interest and contribution to the overall EU energy and climate objectives of security of supply and decarbonisation;
- updates the eligibility of projects for Union financial assistance for the new infrastructure categories. While projects of mutual interest will be eligible for Union financial assistance, only the investments located on the territory of the Union will be eligible for Union financial assistance from the Connecting Europe Facility in the form of grants for works under specific conditions.

Budgetary implications

ACER would take on additional responsibilities in monitoring the 10-year network development plan. This requires a limited number of additional resources. The impact on expenditure is estimated at EUR 0.889 million for the period 2022-2027.