

Targeted consultation on the revision of Regulation (EU) 347/2013 on guidelines for trans-European energy infrastructure (TEN-E Regulation)

Fields marked with * are mandatory.

Introduction

What is the TEN-E Regulation?

The European Green Deal confirms the EU's ambition to be climate neutral by 2050 and outlines a wide range of measures in different policy areas which need to be revised or newly introduced in order to meet this objective. In the energy sector, one of the key aims is to ensure that our energy infrastructure is fit for the purpose of achieving climate neutrality. In this sense, the Green Deal highlights the importance of smart infrastructure in this transition and specifically identifies the need to review and update the EU regulatory framework for energy infrastructure, including the Regulation (EU) No 347/2013 on guidelines for trans-European energy infrastructure (the "TEN-E Regulation"), to ensure consistency with the 2050 climate neutrality objective. As part of the political agreement between the European Parliament and the Council on the Connecting Europe Facility for the period 2021-2027 – the part of the EU budget which funds cross-border infrastructure projects for energy, transport and digital services – it was already agreed that the Commission should evaluate the effectiveness and policy coherence of the TEN-E Regulation. This revision of the TEN-E Regulation will also address the new policy ambition of the European Green Deal inter alia by integrating a significant increase in renewable energy in the European energy system and by putting the energy efficiency first principle into practice. More information on the European Green Deal is available on the [EC website](#).

The TEN-E Regulation lays down rules for the timely development and interoperability of cross-border energy infrastructure [TEN-E] networks in order to achieve the EU's energy policy objectives. Its key objective is the timely implementation of the projects of common interest (known as "PCIs") which interconnect the energy markets across Europe. Interconnected energy markets allow for better integration of renewable energy sources, better security of supply and higher competition within markets that keeps prices in check. The TEN-E Regulation sets out criteria for establishing the PCIs necessary to implement priority corridors and areas in the categories of electricity, gas, oil, smart grids and carbon dioxide networks.

More information on the TEN-E network is available on the [Europa website](#).

What is this survey about?

This survey is one of the elements of the wider stakeholder consultation strategy to inform about the revision of the TEN-E Regulation. The aim of this targeted survey is to collect information and gather views with respect to the implementation and functioning of the TEN-E Regulation from people with professional experience of how the current regulation works in practice. It also addresses forward looking questions as the evaluation is carried out in parallel with the impact assessment. Further background can be found in the Commission's [inception impact assessment](#).

Who should answer?

Professionals working for organisations involved in the design, implementation or permitting processes of energy infrastructure projects (notably Project Promoters of PCIs, National Regulatory Authorities and National Competent Authorities) or organisations with a strong interest in energy infrastructure and the topic it relates to.

It will only take approximately 30-40 minutes to complete this survey. Please note the information on the use of your input and personal data on the next page.

Your experience with the provisions of the TEN-E regulation in practice are of great value to us, which is why we would like to encourage you to provide explanations and examples in the open text boxes below the questions.

How is the survey structured?

The survey is structured in five main sections on (i) Effectiveness, (ii) Efficiency, (iii) Relevance, (iv) Coherence and (v) Value added by the EU Regulation.

The section on effectiveness is further broken down to collect your input on

- the permit granting process,
- public consultations,
- the PCI selection process,
- governance and the roles of different actors,
- cross-border cost allocation,
- and investment incentives.

How will this survey make a difference?

The survey aims to gather evidence to assess how the current TEN-E Regulation has worked in practice – which aspects have worked well, and not so well, and why – identifying factors which have helped or hampered achieving the objectives foreseen, and provide useful input for the Commission in the preparation of its revision. Your feedback will therefore help influence the future development of the regulatory framework for projects of common interest in the field of energy infrastructure.

Thank you for taking the time to respond to this survey – we highly appreciate your feedback! Should you have any questions concerning this survey or the study, you can contact us at TEN-E@ramboll.com.

Use of your input and personal data

Please refer to this document for the use of your personal data:

[TEN-E_personal_data.pdf](#)

Section 0: About you

Please indicate your name:

Clemens Rosenmayr

Please leave your email address:

rosenmayr@eurochambres.au

*** Please select the country in which you are based:**

- Austria
- Belgium
- Bulgaria
- Croatia
- Cyprus
- Czechia
- Denmark
- Estonia
- Finland
- France
- Germany
- Greece
- Hungary
- Ireland
- Italy
- Latvia
- Lithuania
- Luxembourg
- Malta
- Netherlands
- Poland
- Portugal
- Romania
- Slovak Republic
- Slovenia

- Spain
- Sweden
- United Kingdom
- (other) Non-EU country

*** Please select what type of organisation you represent:**

- National Regulatory Authority
- National Competent Authority (ministry or other governmental body)
- Transmission system operator
- Distribution system operator
- Energy producer
- Industry
- Telecom company
- Local or regional authority
- Civil society
- Research, academia
- Other (please specify):

Please specify the name of the organisation you represent:

EUROCHAMBRES, The Association of European Chambers of Commerce and Industry

Section 1: Effectiveness of the Regulation

The TEN-E Regulation (hereafter: the Regulation) was designed to help overcome some of the key barriers to the development of European wide energy infrastructure. The key questions asked to assess the effectiveness of the Regulation therefore concern the extent to which it has achieved its objectives, and the factors that influenced this.

To what extent do you agree with the following statements regarding the TEN-E Regulation's overall impact?

	Completely agree	Agree	Neither agree nor disagree	Disagree	Completely disagree	Do not know
* Contributing to energy market integration throughout Europe	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Achieving an adequate security of supply level	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Contributing to competitiveness in the EU energy market	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Achieving the 2020 climate and energy targets	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please explain your answer:

In our opinion, in practice no significant progress on the integration of energy markets and the interoperability of networks across sectors and borders has been achieved. Investors do not consider that the rules accelerate approval procedures and often avoid them.

*** Which factors do you think have contributed to the achievement of the objectives? On the contrary, which factors have hindered the achievement of the objectives?**

We acknowledge the aim of the TEN-E Regulation. It has helped to improve the functioning of the energy market and to increase security of supply. We are convinced that an increased focus on cross-border cooperation and smart sector integration will significantly contribute to the clean energy transition. Yet, in practice we do not see significant process in terms of energy market integration and cross-border and cross-sector network interoperability. Investors don't seem to see the rules as accelerating approval and permitting procedures. There needs to be an effective priority status for PCIs.

To what extent do you agree with the following statements concerning the financing of energy infrastructure projects?

The Regulation helped to finance energy infrastructure projects by...

	Completely agree	Agree	Neither agree nor disagree	Disagree	Completely disagree	Do not know
* Making financing instruments available to finance PCIs.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Increasing financing capacities of TSOs (ability to raise debt at a reasonable cost, ability to attract new institutional investors).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Providing targeted EU financing under the Connecting Europe Facility.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Other (please describe)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Please explain your answer:

Section 2: Permit granting processes

Over time and since 2013, do you agree that the TEN-E Regulation has had a positive impact on shortening the duration of the permit granting procedure for PCIs?

- Completely agree
- Agree
- Neither agree nor disagree
- Disagree
- Completely disagree
- Do not know

Please explain your answer:

To what extent do you agree that the permit granting in ‘one-stop shops’ has...

	Completely agree	Agree	Neither agree nor disagree	Disagree	Completely disagree	Do not know
* Reduced complexity of the permit granting process?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* Increased efficiency in time and costs of the permit granting process?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* Increased transparency of the permit granting process?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* Enhanced cooperation between Member States?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* Would allow addressing challenges related to the permitting of infrastructure for offshore renewable energy projects?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Please present your views with regards to possible changes which will help improve the process:

To what extent do you agree with the following statements about the role of at least one public consultation introduced for PCIs?

The additional public consultation introduced for PCIs has...

	Completely agree	Agree	Neither agree nor disagree	Disagree	Completely disagree	Do not know
* Increased/improved public participation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Increased awareness of PCI projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Increased trust among participants	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Increased public acceptance of PCI projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Led to improvements in the design of the projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please explain your answers, possibly comparing to other non-PCI projects:

*** To what extent would you agree that the input from the public consultation introduced by the TEN-E Regulation is/was used to guide the further development of projects?**

- Completely agree
- Agree
- Neither agree nor disagree
- Disagree
- Completely disagree
- Do not know

Please explain your answers, possibly comparing to other non-PCI projects:

*** To what extent do you agree that the requirement for at least one public consultation is enough for increasing transparency and participation in the design and planning of the projects?**

- Completely agree
- Agree
- Neither agree nor disagree
- Disagree
- Completely disagree
- Do not know

Section 4: PCI selection process

To what extent do you agree with the following statements concerning the PCI selection process?

	Completely agree	Agree	Neither agree nor disagree	Disagree	Completely disagree	Do not know
*						

PCIs selected are the most relevant projects to the fulfilment of the TEN-E objectives.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Cost-benefit assessments for the selection of PCIs are using an appropriate methodology.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Please explain your answers:

In order to achieve our climate goals a fully integrated energy system is key which is why the scope of the An extension of the TEN-E Regulation to all major projects necessary for the energy transition should be assessed. In addition to electricity grids, gas and district heating infrastructure are an indispensable pillar of a clean, affordable and secure Energy supply.

To what extent do you agree that the role of the different actors listed below is adequate in the selection procedure?

	The role is adequate	The role should be weakened	The role should be strengthened	Do not know
* European Network of Transmission Systems Operators for Electricity and Gas (ENTSO-E /ENTSO-G)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* Agency for the Cooperation of Energy Regulators (ACER)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* European Commission	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Regional Groups	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* National Regulatory Authorities (NRA)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* National Competent Authorities (NCA)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Transmission systems operators (TSO)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
* Distribution system operators (DSO)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
* Other stakeholders (NGOs, energy industry, telecom companies, trade associations, finance community, etc.)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please explain your answers and, if applicable, elaborate on how the role of actors should change.

To what extent do you agree with the following statements concerning the gas and electricity EU-wide Ten-Year Network Development Plans (TYNDPs)?

	Completely agree	Agree	Neither agree nor disagree	Disagree	Completely disagree	Do not know
* The current framework is fit for purpose.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* The electricity and gas market and network models are sufficiently interlinked (e.g. scenarios and cost-benefit assessment).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* The current framework does sufficiently match the need for system integration, i.e. the consideration of sectors other than gas and electricity.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* The TYNDPs do reflect enough coordination with distribution level networks.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* The relevant actors are involved in the TYNDP processes and their respective roles are adequate.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* The TYNDPs do reflect sufficiently energy efficiency aspects.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please explain your answers:

To what extent do you agree with the following statements on the selection criteria for projects of common interest?

	Completely agree	Agree	Neither agree nor disagree	Disagree	Completely disagree	Do not know
*						

The general selection criteria are appropriate.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* The specific selection criteria for electricity transmission projects are appropriate.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* The specific selection criteria for gas projects are appropriate.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* The specific selection criteria for electricity smart grid projects are appropriate.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* The specific selection criteria for carbon dioxide transport projects are appropriate.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

If you disagree, please specify changes you consider necessary:

An extension of the scope of the TEN-E Regulation should be assessed. The main criteria for a project must be the relevance and importance for the energy transition while ensuring supply security and competitiveness for businesses. In an integrated energy system, power, gas and heating infrastructure will be as important as renewable energy installations. All those projects should be covered by a future PCI-list, based on appropriate criteria.

To what extent do you agree that projects of mutual interest with third countries should be included in the revised TEN-E framework?

	Completely agree	Agree	Neither agree nor disagree	Disagree	Completely disagree	Do not know
* Projects of mutual interest, i. e. projects with third country that benefit only one Member State, should remain outside the TEN-E framework.	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Projects of mutual interest should be included in the TEN-E framework...	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* ...subject to specific eligibility and selection criteria,	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

* ...subject to a specific selection process	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* ...subject to specific conditions for regulatory measures and access to financial assistance would apply.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please specify your answer:

Section 5 Governance and the roles of different actors

To what extent do you agree with the following statements concerning the effectiveness of the PCI monitoring and implementation planning procedures?

	Completely agree	Agree	Neither agree nor disagree	Disagree	Completely disagree	Do not know
* Current reporting and monitoring procedures on the PCI progress [popup box: i.e. Activity Status Reports, ACER monitoring reports, Transparency Platform etc.] are sufficient to ensure transparency on PCI development.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* PCIs implementation plans and the regular updates ensure timely project implementation.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Please explain your answer:

Section 6: Cross-border cost allocation

*** To what extent would you agree that CBCA decision processes and outcomes enable effective investment decisions?**

- Completely agree
- Agree
- Neither agree nor disagree
- Disagree
- Completely disagree
- Do not know

* Please explain your answer, possibly comparing with other means of taking CBCA decisions:

Section 7: Investment incentives

According to Article 13 of the TEN-E Regulation, incentives can be provided for PCIs which are exposed to higher risks than normally incurred by a similar infrastructure project, and for which a net positive impact is confirmed by the CBA.

*** To what extent would you agree that investment incentives enable effective investments in PCIs?**

- Completely agree
- Agree
- Neither agree nor disagree
- Disagree
- Completely disagree
- Do not know

Please explain your answer:

Please specify your answer:

Section 8: Efficiency of the Regulation

The evaluation of the efficiency of the Regulation considers the extent to which the resources used to implement the Regulation and achieve its objectives are used as efficiently as possible (with lowest possible resources /costs). In the case of the TEN-E Regulation, this mainly relates to the costs and benefits for NRAs and project promoters with regards to the implementation of the Regulation.

*** To what extent do you agree that the benefits of the provisions in the TEN-E Regulation outweigh the costs?**

- Completely agree
- Agree
- Neither agree nor disagree
- Disagree
- Completely disagree
- Do not know

Please explain your answer:

Investors from several member states (e.g. Austria) generally shy away from application, so a reasonable conclusion may be that the benefits do not outweigh the costs from their point of view.

Can you identify any opportunities to simplify the legislation or reduce unnecessary costs without undermining the intended objectives of the Regulation?

*** To what extent do you agree that the current reporting and monitoring procedures on the PCI progress can be simplified and still fulfill their purpose?**

- Completely agree
- Agree
- Neither agree nor disagree
- Disagree
- Completely disagree
- Do not know

Please explain your answer:

Section 9: Relevance of the Regulation

The evaluation of the relevance of the TEN-E Regulation assesses the extent to which the TEN-E Regulation and its objectives appropriately respond to the changes in energy infrastructure needs and in the policy context (such as the climate neutrality objective under the European Green Deal).

To what extent do you agree that the following issues are currently well addressed by the Regulation?

	Completely agree	Agree	Neither agree nor disagree	Disagree	Completely disagree	Do not know
* Integration of renewable energy sources into the electricity network	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Integration of renewable energy sources into the gas network	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Support of electrification of transport through appropriate grid infrastructure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Smart sector integration	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Energy transition for fossil fuel regions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Climate change mitigation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Climate resilience of energy infrastructure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Improving energy efficiency of the energy system	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

If you ticked 'Completely disagree' or 'Disagree': How do you think the Regulation should change to better address these issues?

The TEN-E Regulation should aim at promoting network development and new technologies (e.g. infrastructure for climate neutral gas). This means prioritising the acceleration of approval and permitting procedures as well as funding conditions for new technologies. As mentioned above, an extension of the scope of the TEN-E Regulation should be assessed.

To what extent would you agree that the TEN-E Regulation has been relevant in supporting the development of the following infrastructure categories?

	Completely agree	Agree	Neither agree nor disagree	Disagree	Completely disagree	Do not know
* High-voltage overhead transmission lines	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Electricity storage facilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Safety and efficiency installations for electricity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Smart grids	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Transmission pipelines for natural gas and biogas	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Underground gas storage facilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* reception, storage and regasification or decompression of liquefied natural gas (LNG) or compressed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* natural gas (CNG)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* Safety and efficiency installations for gas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* Pipelines for crude oil	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Oil pumping and storage facilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* Safety and efficiency installations for oil	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* Dedicated carbon dioxide pipelines	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* Facilities for liquefaction of carbon dioxide and buffer storage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* Safety and efficiency installations for carbon dioxide	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

*

Which of the challenges would you say are most important to address in the field of energy infrastructure today, compared to the situation in 2013? Please select up to 3 most important challenges.

at most 3 choice(s)

- Integration of renewable energy sources
- Energy efficiency first principle
- Other (please specify)
- Market fragmentation / market integration
- Greenhouse gas emission reductions / climate neutrality
- Competitiveness of the EU energy market
- Permit-granting procedures
- Regulatory cross-border challenges
- Environmental due diligence in the preparation, permitting and implementation of project
- Energy infrastructure investments
- Cross-border/regional cooperation
- Digitalisation
- Public opposition to projects
- Commercial viability of projects
- Security of supply
- Energy financing capacity of TSOs
- Energy system integration

*** Which of the challenges would you say are least important to address in the field of energy infrastructure today, compared to the situation in 2013? Please select up to 3 least important challenges.**

at most 3 choice(s)

- Other (please specify)
- Energy system integration
- Cross-border/regional cooperation
- Integration of renewable energy sources
- Digitalisation
- Greenhouse gas emission reductions / climate neutrality
- Energy financing capacity of TSOs
- Regulatory cross-border challenges
- Security of supply
- Energy efficiency first principle
- Commercial viability of projects
- Market fragmentation / market integration
- Energy infrastructure investments
- Public opposition to projects
- Environmental due diligence in the preparation, permitting and implementation of project
- Competitiveness of the EU energy market
- Permit-granting procedures

Which features do you consider the most important for a project of common interest (PCI) as part of trans-European energy network?

	Important	Important to a large extent	Important to a small extent	Not important	Do not know
* Integration of renewable energy sources into the grid	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Contribution to greenhouse gas emissions reduction / fully consistent with climate neutrality 2050	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Security of supply	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Market integration (e.g. to reduce infrastructural deficits and increase system flexibility)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Increase competition on the market	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Innovation	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Environmental due diligence in the preparation, permitting and implementation of project	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Generation of direct benefits to the local communities	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Which of the following infrastructure categories do you consider relevant for the regulatory framework on trans-European energy networks?

	Relevant	Relevant to a large extent	Relevant to a small extent	Not relevant	Do not know
Electricity infrastructure (transmission lines and storage)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Grids for offshore renewable energy	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Smart electricity grids	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Smart gas grids	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Natural gas infrastructure (pipelines and storage)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Liquefied Natural Gas (LNG) terminals	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dedicated hydrogen (H2) networks	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Infrastructure for the integration of renewable and carbon neutral gases	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Power-to-gas installations	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
CO2 networks (for transporting CO2)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Geological storage of CO2	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

The TEN-E Regulation presents nine Priority corridors: North Seas offshore grid (NSOG), North-south electricity interconnections in western Europe (NSI West Electricity), North-south electricity interconnections in central eastern and south eastern Europe (NSI East Electricity), Baltic Energy Market Interconnection Plan in electricity (BEMIP Electricity), North-south gas interconnections in Western Europe (NSI West Gas), North-south gas interconnections in central eastern and south eastern Europe (NSI East Gas), Southern Gas Corridor (SGC), Baltic Energy Market Interconnection Plan in gas (BEMIP Gas), Oil supply connections in central eastern Europe (OSC).

The TEN-E Regulation also presents three Priority thematic areas: Smart grids deployment, Electricity highways, and Cross-border carbon dioxide network.

For more information, see: https://ec.europa.eu/energy/topics/infrastructure/trans-european-networks-energy_en?redir=1

To what extent do you agree with the following statements concerning priority corridors and thematic areas?

	Completely agree	Agree	Neither agree nor disagree	Disagree	Completely disagree	Do not know
* Priority Corridors reflect the current infrastructure needs	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Priority Corridors are fit for purpose for future challenges to the energy infrastructure	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Priority Thematic Areas reflect the current infrastructure needs	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Priority Thematic Areas are fit for purpose for future challenges to the energy infrastructure	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please explain your answer:

Section 10: Coherence of the Regulation

Coherence is about the extent to which the objectives and the implementation of the activities related to the Regulation are non-contradictory (internal coherence), and do not contradict other activities with similar objectives (external coherence). Questions relate to whether there are any internal inconsistencies in the Regulation itself, as well as the degree to which it is coherent with other (EU) initiatives with similar objectives and its situation in the wider EU energy policy field.

*** Can you identify any overlaps, inconsistencies within the TEN-E Regulation (including in its measures and objectives)?**

- Yes, there are overlaps, inconsistencies or incoherencies
- No, the Regulation is coherent overall
- Do not know

*** Please specify your answer, if possible, mentioning specific overlaps or inconsistent /incoherent measures of the Regulation:**

Environmental Impact Assessment Directive, Biodiversity Directive, Water Framework Directive

Please state your opinion on the following statements regarding the consistency between the TEN-E Regulation and other policies/ initiatives at EU, international, and national level:

	Inconsistencies, or conflicts with the Regulation	Consistent with the regulation	Do not know
* The Clean Energy Package / the Energy Union	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* The European Green Deal / Long Term Strategy for Decarbonisation	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Trans-European transport networks (TEN-T)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* EU environmental acquis (habitats, water, etc.)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* EU Digital Strategy	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* EU Industrial Strategy	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* Paris Agreement	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
UN Sustainable Development Goals	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

* Commission communication on a stronger and renewed strategic partnership with the EU's outermost regions (COM(2017)623 final)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* EU neighborhood policy	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

*** Please specify your answer, if possible, mentioning specific measures of the Regulation:**

//

Section 11: EU added value of the Regulation

EU added value concerns the extent to which changes can reasonably be argued to be a result of the EU intervention, over and above what could reasonably have been expected from national actions. Thus, it considers whether and to the extent to which it is justified in terms of the results it brought about compared to what could have been achieved by Member States themselves; and the extent to which the issues addressed by the TEN-E Regulation still require EU intervention (or, in other words, what the consequence of stopping the EU intervention would be).

*** What do you think has been the EU added value of the TEN-E Regulation, compared to what could have been achieved if legislation on energy infrastructure networks only existed at national or regional level?**

- Regional cooperation
- Cooperation gains
- Improved regulatory certainty
- Increased transparency
- Increased acceptance of energy infrastructure projects
- Enhanced compliance with environmental requirements
- Greater speed and/or effectiveness of delivery of projects
- Certain projects could not have been implemented otherwise
- Access to financing (e.g. Connecting Europe Facility)
- Other, please specify

Please specify your answer:

improved security of supply

Would the same results have been achieved legislating at national and/or regional level?

	Completely agree	Agree	Neither agree nor disagree	Disagree	Completely disagree	Do not know
* The TEN-E Regulation has achieved more results than what could have been achieved legislating at national and/or regional level.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* The issues addressed by the TEN-E Regulation continue to require action at EU level.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please explain your answer:

Section 12: Final questions

Would you be willing to take part in a follow-up interview to provide further feedback for the evaluation?

- Yes
- No

Please note that while we will do our best to contact everyone who wishes to participate in the interviews, we retain discretion on selection in order to achieve proportional representation.

*** Do you agree with the use of your email address to reach out for follow-up interviews?**

- Yes
- No

If you did not do so in the beginning, could you please include your email for us to contact you to schedule a follow-up interview:

rosenmayr@eurochambres.eu

Do you have any comments, remarks or information regarding this survey that you would like to share?

Please share any relevant documents and data that would be useful for the purposes of our evaluation.

We kindly ask if you could please reflect all inputs, including those that are in your position papers, in the responses to the survey questions.

The maximum file size is 1 MB

Thank you very much for taking the time to answer this survey. Once you click “submit” below, your answers will be saved and sent. You will still be able to make changes if you reopen the survey link invitation sent to your email address.

Your answers will be treated fully confidentially and not be shared with anyone else.

If you have any questions about this survey, please contact TEN-E@ramboll.com.

Contact

ener-b1-projects@ec.europa.eu