

Achievements of the **European energy infrastructure policy**

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Energy infrastructure, the backbone of a secure and climate-neutral energy system

Interconnectors are the circulatory system of the EU allowing energy to flow seamlessly across borders, ensuring security of supply, the integration of renewable energy and keeping prices in check.

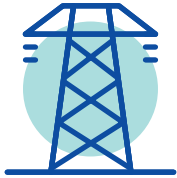
The EU's cross-border energy system has developed significantly since the 1990s and in particular through the modernised TEN-energy policy since 2013 and is more resilient and flexible than any system across the globe.

It is a true European success story of integration, cooperation and mutual support.

TEN-E is a key tool to plan and develop cross-border energy networks in Europe:

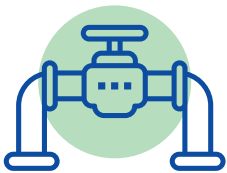
- By selecting the most important projects in regional groups with Member States and stakeholders, leading to renewed PCI lists every 2 years;
 - By promoting the timely implementation of PCIs: expedited permitting, regulatory incentives, financial support for selected projects.
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Achievements



Electricity:

- Increase the cross-border trade: more than 15% of electricity is traded cross-border in any given year;
- Integrated renewables into electricity system: PCI realisation has reduced curtailment by 1.1 TWh;
- Ensured that all Member States will have a direct physical connection to the European electricity grid by 2026 with completion of two kickstarted subsea links (the Celtic Interconnector and the EuroAsia Interconnector);
- Impacted the wholesale price: if all PCIs are commissioned by 2030, the average wholesale price will decrease by 2,5%.



Gas:

- Significantly reduced vulnerability of many Member States in case of gas supply disruption shown during the 2009 crisis, particularly in Eastern Europe;
- Thanks to realisation of gas PCIs, today no Member State is left depending on a single external supplier, compared to a situation in 2009, where 8 Member States showed single-source dependency;
- Likewise, once all ongoing gas PCIs are completed, all Member States will have direct or indirect access to the global LNG market.

All of the above, thanks to:

- **Completed:** 52 electricity PCIs, 33 gas PCIs, 1 smart grid PCI;
- **Kick-started:** 39 electricity PCIs, 12 gas PCIs, 2 smart electricity grid PCIs and 2 CO₂ networks PCIs;
- **Financial support through the Connecting Europe Facility:**

ELECTRICITY	GAS	SMART GRIDS	CO ₂ NETWORK	CB RES	
55 actions €289.2 million	50 actions €159.6 million	1 action €0.8 million	9 actions €46 million	2 actions €0.3 million	STUDIES 117 actions - €496 million
17 actions €3.5 billion	17 actions €1.4 billion	4 actions €235.3 million	1 action €102.1 million		WORKS 39 actions - €5.2 million
72 actions €3.7 billion	67 actions €1.6 billion	5 actions €236.1 million	10 actions €148.2 million	2 actions €0.3 million	EU FUNDING 156 actions - €5.7 million

- Through the **European Energy Programme for Recovery (EEPR)** which supported 44 gas interconnectors, gas reverse flow and electricity infrastructure projects amounting to **1.7 billion EUR** by the end of 2021.