The **Connecting Europe Facility (CEF)** is a key EU funding instrument of €30.4 billion to promote growth, jobs and competitiveness through targeted infrastructure investment at European level. It supports the development of high performing, sustainable and efficiently interconnected trans-European networks in the fields of energy, transport and digital services. Synergies across the three CEF sectors are encouraged through an increased co-funding rate.

CEF Energy provides funding to smart grids, CO_2, electricity and natural gas infrastructure projects aiming to better interconnect energy networks towards a single European energy market.

The programme supports the key objectives of the **Energy Union** by:

- ✓ promoting further integration of the **internal energy market**
- ✓ enhancing **security of energy supply**
- ✓ integrating energy from **renewable sources** into the network.

HOW?

The total grant budget to support energy projects for the 2014-2020 period under the CEF Energy programme is **€4.7 billion**. Grants are managed by the Innovation and Networks Agency (INEA).

The Innovation and Networks Executive Agency

making implementation happen

INEA is an executive agency established by the European Commission to implement parts of the CEF and Horizon 2020 EU funding programmes and continuously promotes and encourages synergies between the two programmes. INEA manages most of the CEF programme budget, in total €28.7 billion out of €30.4 (23.5 billion for CEF Transport, €4.7 billion for CEF Energy, and €0.5 billion for CEF Telecom). In the 2014-2020 period INEA is expected to manage over 2,000 projects including more than 150 in CEF Energy.

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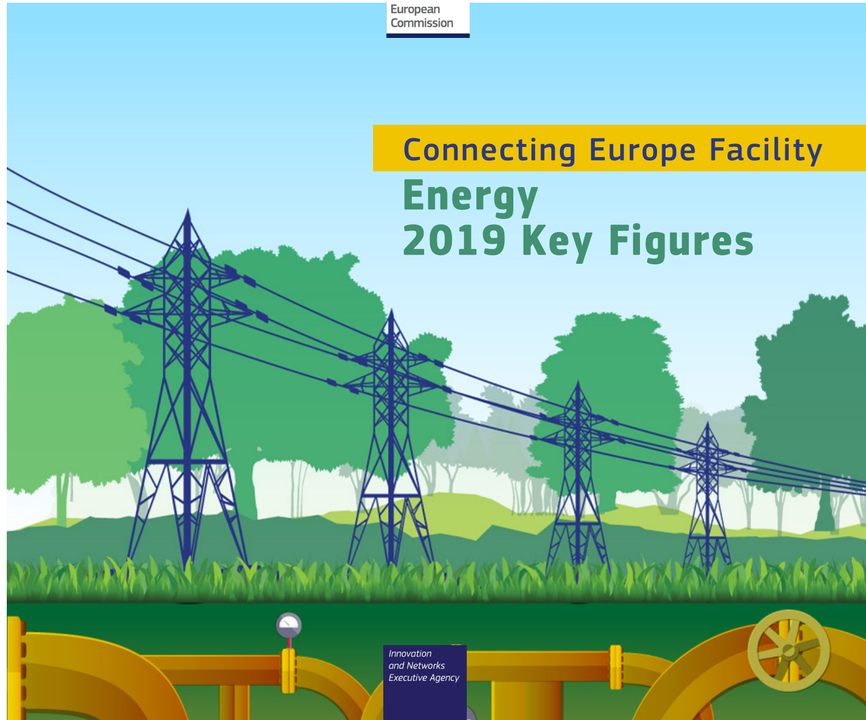
PDF:EF-01-20-003-EN-N - ISBN:978-92-9208-068-6 - DOI:10.2840/30175

European Commission

Connecting Europe Facility

Energy 2019 Key Figures



CEF Energy Portfolio

Regular **calls for proposals** are launched within the framework of the CEF Energy programme to ensure a constant flow of EU support to projects in the field. Issued by INEA, the calls are open only to those **Actions that contribute** to the realisation of the **Projects of Common Interest (PCI)**, which are identified based on the needs of EU energy infrastructure.

What is a Project?

Within the framework of the CEF Energy programme, a project is understood as a PCI. The list of the PCIs is adopted by the European Commission based on the needs of the European energy infrastructure network and reviewed regularly.

What is an Action?

Within the framework of the CEF Energy programme, an Action is an activity or set of activities, usually lasting several years, which contributes to the implementation of one or several PCIs. An Action can be works or a study. Completion of an Action does not necessarily coincide with the completion of a PCI.

Smart Grids	CO_2	Gas	Electricity	
1 action €1.2 million	3 actions €9.7 million	49 actions €184.1 million	49 actions €270.3 million	**Studies** *102 actions €465.3 million*
3 action €133.3 million		14 actions €1.3 billion	12 actions €1.3 billion	**Works** *29 actions €2.7 billion*
4 actions €134.5 million	**3 actions €9.6 million**	**63 actions €1.5 billion**	**61 actions €1.5 billion**	**EU funding** **131 actions €3.2 billion**

EU FUNDING

131 ACTIONS
€ 3.2 BILLION

In total there are **92 PCIs** to which CEF Energy Actions have contributed.

MORE FUNDING OPPORTUNITIES IN SPRING 2019:
€750 million for works and studies in **smart grids, CO_2, electricity and gas**

CEF Energy Action Examples *per sector*

In the **smart grids** sector:

- increasing efficiency and interoperability of electricity transmission and distribution in day-to-day network operation
- improving network security, system control and quality of supply

Implementation of the SINCRO.GRID PCI – Phase 1
Part of PCI 10.3

11/2016 – **11/2021**

The action aims at solving network voltage, frequency control and congestion issues, as well as enabling further deployment of renewables (RES) and displacement of conventional generation. This will be done by integrating new active elements in the transmission and distribution grids into the virtual cross-border control centre based on advanced data management and common system optimisation. Once completed, it will lead to a more efficient use of the existing electricity grid in Slovenia and Croatia, enable the existing infrastructure to accept larger quantities of electricity from RES and ensure a more reliable electricity supply.

Beneficiaries: ELES Ltd (SI), HOPS (HR), SODO (SI), HEP (HR)
EU funding: €40.5 million

In the CO_2 sector:

- avoiding carbon dioxide emissions while maintaining security of energy supply
- increasing the resilience and security of carbon dioxide transport
- enabling the connection of multiple carbon dioxide sources and storage sites via common infrastructure

Rotterdam CCUS project - PORTHOS
Part of PCI 12.3

12/2018 – **12/2020**

The action relates to a set of studies aiming to design and engineer the development of a high-volume CO_2 transport infrastructure to permanent storage sites in depleted gas fields beneath the Dutch and UK parts of the North Sea seabed. These studies, to be completed by 2020, also investigate the expansion of the infrastructure to include emitters from other regions contributing to over-size pipelines, compression and utility equipment and to allow future use by third party countries based on priority CO_2 transport corridors.

Beneficiaries: Port of Rotterdam (NL), Gasunie (NL), EBN B.V (NL)
EU funding: €6.5 million

In the **electricity** sector:

- completing the internal energy market
- increasing the share of renewables through new electricity lines
- providing the means to help EU Member States end energy isolation

Works for Biscay Gulf electricity France-Spain interconnection *Part of PCI 2.7*

07/2018 – **12/2024**

A new interconnection line between Spain and France of a maximum transmission capacity of 2000 MW will be constructed. The line will be approximately 370 km long, of which 280 km submarine crossing the Biscay Gulf. Once completed, it will contribute towards increasing the exchange capacity, safety, stability and quality of electricity supply between the two countries and the rest of Europe.

Beneficiaries: Réseau de Transport d'Electricité RTE (FR), RED Electrica de España REE (ES)
EU funding: €578.5 million

Construction of a new 400 kV line between Dobrudja and Burgas *Part of PCI 3.8*

01/2017 – **12/2020**

An overhead transmission line of approximately 100 km with a maximum capacity of 1,500 MW will be constructed on the territory of Bulgaria. Once completed, it will reinforce the Bulgarian internal electricity grid and enhance the cross-border transfer capacity between Romania and Bulgaria as well as allow the large-scale integration of new renewable energy sources in the Black Sea Corridor.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Beneficiary: Elektroenergien Sistemen Operator EAD (BG)
EU funding: €29.9 million

In the **gas** sector:

- increasing security of gas supply and opening up new supply routes and sources
- enhancing interconnections and ending the energy isolation of EU Member States and regions
- replacing the use of more carbon-intensive fuels (e.g. fuel-oil, oil products or LPGs) by natural gas

Twinning of Southwest Scotland onshore system between Cluden & Brighouse Bay *Part of PCI 5.2*

08/2014 – **11/2018**

The action relates to the construction of the remaining 50 km transmission pipeline in Scotland in order to complete the Twinning of Southwest Scotland onshore system. The new transmission pipeline addresses the current pressure restriction in the onshore system by providing a dual pipeline system between Ireland and the UK.

Beneficiary: GNI Limited (UK)
EU funding: €33.8 million

Balticconnector works
Part of PCI 8.1.1

05/2017 – **06/2020**


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The first gas interconnector between Finland and Estonia is a bi-directional gas pipeline with a transfer capacity of 7.2 mcm/d and a length of 152 km which will run along the seabed of the Baltic Sea. Once completed, it will end Finland's gas isolation, provide alternative routes, enhance competition and market integration in the Baltic region.

Beneficiaries: Baltic Connector Oy (FI), Elering AS (EE)
EU funding: €187.5 million