



European
Commission

Works for Biscay Gulf electricity France-Spain interconnection

2.7-0013-FRES-W-M-17

Programme:

CEF Energy

Call year:

2017

Location of the Action:

France, Spain

Implementation schedule:

July 2018 to December 2028

Maximum EU contribution:

EUR 578,487,000

Total eligible costs:

EUR 2,239,593,496

Percentage of EU support:

26%

Beneficiaries:

Red Eléctrica de España S.A.U. (REE) (Spain)

<http://www.ree.es>

Réseau de Transport d'Électricité (RTE) (France)

<http://www.rte-france.com>

Status:

Ongoing

Energy corridor:

North-South electricity interconnections in Western Europe

Energy sector:

Electricity

Project(s) of Common Interest:

2.7

Additional information:

European Commission, DG ENER

<https://energy.ec.europa.eu/topics/infrastructure>

Agency for the Cooperation of Energy Regulators (ACER)

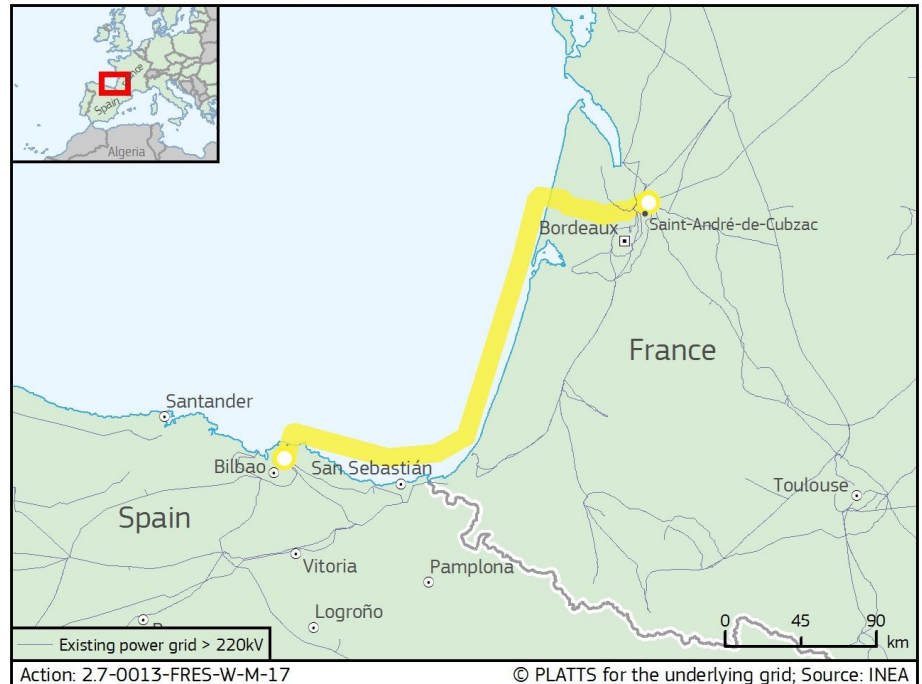
<http://www.acer.europa.eu/>

European Network of Transmission System Operators for Electricity (ENTSO-E)

<http://www.entsoe.eu/>

Last modified:

September 2023



The action implements all but the system commissioning (global transmission system testing is outside the scope of this Action) of PCI 2.7 "France-Spain interconnection between Aquitaine (France) and the Basque country (Spain) through the Biscay Gulf. The interconnection is an HVDC link, 2x1000MW which will increase the net transfer capacity between France and Spain from 2.8GW to 5GW.

The preceding stages of the study of the PCI were funded by CEF, namely : Action 2.7-0023-FRES-S-M-14 and Action 2.7-0001-FRES-S-M-16.

The scope of the action is the construction of 2 independent HVDC links, comprised of 4 cables, 4 converter stations each rated 1000 MW, located close to Cubnezais (FR) and Gatika (ES) and their HVAC 400kV connection lines from the converter transformers to the existing substations (Cubnezais 400 kV and Gatika 400 kV) and extension of the latter. The length of the route is estimated to be approx. 370 km long starting in Spanish País Vasco region (near Bilbao), with a short length of underground cable or overhead line of about 10 kilometres, a submarine section around 280 km long, and an underground cable on the French side of about 80 km long with an ending point in Nouvelle Aquitaine (Gironde department, near Bordeaux).

Once the action is completed, the PCI will be ready to be system-commissioned.