

## IFA2

Interconnexion France-Angleterre

## About IFA2

## Learn more

You can learn more about the proposals at one of our drop-in consultation events:

**Tuesday 8 December**

Lockswood Community Centre, Locks Heath, 1.30pm - 5.30pm

**Wednesday 9 December**

St Faith's Parish Centre, Lee-on-the-Solent, 4pm - 8pm

**Thursday 10 December**

Stubbington Baptist Church, Stubbington, 3pm - 7pm

**Friday 11 December**

Warsash Victory Hall, Warsash, 4pm - 8pm

**Saturday 12 December**

Crofton Community Centre, Stubbington, 10am - 4pm

This will be the first stage of National Grid's consultation on IFA2 and will present information about the background to the project, how we have got to the current proposals, and our proposed next steps. We will be seeking your views on the UK part of this interconnector project, as well as the way we decided on our preferred option; this consultation will not include the French elements of the interconnector project or the works to connect the interconnector project to the existing electricity network.

You can also find out more at our website: [www.ifa2interconnector.com](http://www.ifa2interconnector.com)

## TIMELINE

**July 2015:** Ofgem grants regulatory approval to IFA2

**December 2015:** First round of public consultation

**Early 2016:** Second round of public consultation

**March 2016:** Submission of outline planning application and Marine Licence Application

**September 2016:** Determination

**2017:** Detailed design brought forward. Reserved Matters planning application

**2018:** Construction scheduled

**2020:** Construction due to be completed – IFA2 is operational

**Contact us:**

T: 0800 0194 576

W: [www.ifa2interconnector.com](http://www.ifa2interconnector.com)

IFA2 is a joint project between National Grid and the French transmission system owner and operator, Réseau de Transport d'Électricité (RTE).

National Grid is a major UK company which owns and manages gas and electricity infrastructure in the UK and in the northeastern USA. In the UK, National Grid runs the systems that deliver gas and electricity across the entire country and provides power directly to millions of customers. As such, National Grid holds a vital position at the centre of the energy system, joining everything up.

National Grid IFA2 Ltd is the company that National Grid has formed to develop and bring forward the IFA2 project, and holds an interconnector licence. We are legally separate from other companies within National Grid. This is enforced by the energy regulator Ofgem.

National Grid Electricity Transmission plc (NGET) will have responsibility for the substation connection which does not form part of this consultation.

RTE will have responsibility for the French elements of the project.

**Contact us:**

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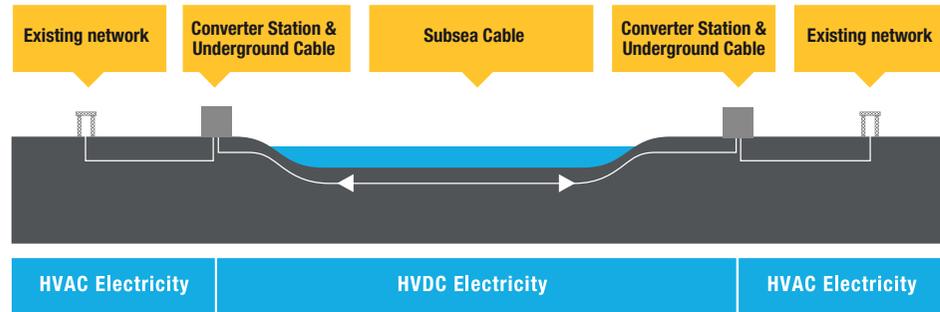
**National Grid is consulting on proposals for a new high voltage direct current (HVDC) electrical interconnector between Fareham, Hampshire in Great Britain and Normandy in France.**

It would be the second link to France we have developed with our French partners, RTE, and will help enhance the security, affordability and sustainability of our energy supply.

This leaflet includes information about the proposals and how to take part in our consultation.

## What is an interconnector?

IFA2 will be an electricity interconnector. This is a connection between the electricity transmission systems of two different countries. An interconnector allows countries to share power, helping to ensure secure, sustainable and affordable energy supplies.



In simple terms, an interconnector is made up of two converter stations – one in each country – connected by cables.

A converter station switches electricity from alternating current (AC) to direct current (DC), and is needed because different types of current are used to transmit electricity domestically and over long distances. We use DC for sending electricity along the high voltage subsea cables, while AC is used in each country's transmission system.

A substation is also needed as a point of connection to the national electricity network. The substation will not form part of this consultation.

**IFA2**

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## Getting more connected

IFA2 will provide the capability to export or import 1,000MW of power and provides three important benefits for our national energy requirements:

### Affordability

By giving Great Britain access to the European electricity market, IFA2 should help create downward pressure on wholesale electricity prices. This is because our wholesale electricity price is forecast to be higher than in France for many years to come. We estimate that each 1,000MW of new interconnector capacity has the potential to reduce wholesale prices in Great Britain by up to 2%.

### Security

Interconnection gives us access to a wider range of electricity generation sources and provides an equivalent to generation capacity by being available to bring in supplies from elsewhere. This increases our energy security by allowing us to import electricity when not enough is generated, if demand rises or generation falls suddenly in Great Britain.

### Sustainability

Interconnectors help manage the fact that not all electricity sources can generate consistently and predictably and that electricity cannot be efficiently stored on a large scale. They do this by providing a means to pass on surplus energy when too much is generated at once to be used domestically. This should make a significant contribution to forging a lower carbon economy both in Great Britain and Europe.

## The route

The proposed IFA2 interconnector will connect the electricity systems of Great Britain and France using high-voltage subsea cables from Normandy in France to Fareham in Hampshire.

The connection point in France will be at the Tourbe 400KV substation in Normandy, where there is also commercially available land for a converter station adjacent to the site.

In Great Britain the connection point will be a new substation at an existing National Grid site off Chilling Lane near Warsash, Hampshire. The connection substation does not form part of this consultation.

The proposed converter station will be on a site near Daedalus Airfield, between the communities of Fareham, Stubbington and Lee-on-the-Solent.

