



FUSION

USEF CONSULTATION

Accelerating the Transition to
Smart, Flexible Energy Networks



WHO ARE WE?

We are SP Energy Networks, part of the Iberdrola Group, leaders in sustainable innovation. As a Distribution and Transmission Network Operator we keep electricity flowing to homes and businesses throughout Central and Southern Scotland, North Wales, Merseyside, Cheshire and North Shropshire.

We do this through the network of overhead lines and underground cables which we own and maintain.

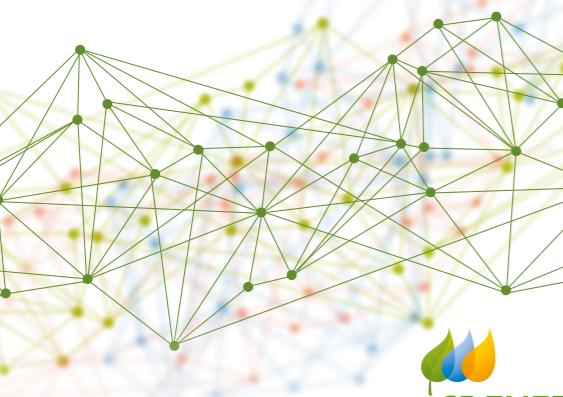


Our three regulated electricity licences are:

SP Transmission (SPT)

SP Distribution (SPD)

SP Manweb (SPM)



Our aim is to deliver a safe and reliable electricity supply **24 hours a day, 365 days a year** whilst providing exceptional value for money.

FUSION

Project FUSION is an OFGEM 2017 Network Innovation Competition (NIC) initiative and to be delivered by SP Energy Networks in partnership with seven project partners that hold a mix of expertise in Energy, commercial, academic and community sector (DNV GL, Origami Energy, PassivSystems, Imperial College London, SAC Consulting, The University of St. Andrews, and Fife Council).



The project will demonstrate the feasibility of using local flexible resources to address distribution network congestion issues by making such resources accessible through a universal, standardised market-based framework: the Universal Smart Energy Framework (USEF).

This will also inform wider policy development around flexibility markets and the DNO-DSO transition through the development of standardised industry specifications, processes, and requirements for transparent information exchange between market participants accessing market-based flexibility services.

In addition, project FUSION is in collaboration with the ENA Open Networks Project and coordinating with SSEN & ENWL on the project Transition, and WPD on Electricity Flexibility and Forecasting Systems (EFFS).

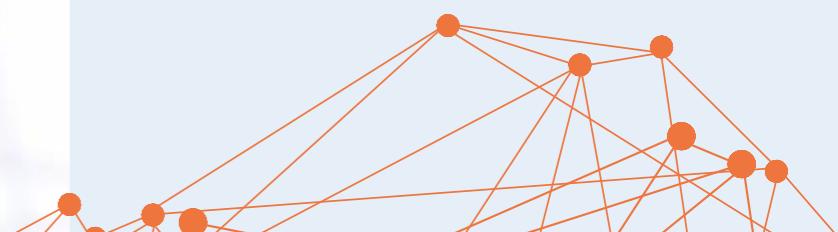
BENEFITS FOR CUSTOMERS

FUSION will unlock flexibility in the distribution network as it can be procured by a range of market actors using a Standardised and open mechanism. Aggregators will be able to operate to aid the development of the flexibility market. By facilitating this neutral market, network flexibility will be accessible to all parties.

For the Distribution Network Operators, constraint management will be trialled, alleviating localised network congestion without requiring costly and time consuming network reinforcement. This will provide excellent value for money for customers. The creation of a flexibility market will go beyond existing bilateral trading of flexibility, providing a whole systems approach to realising the value of flexibility.

Customers will also be empowered to commoditise their flexibility thanks to new routes to market for existing and emerging flexibility providers in the distribution network.

This smarter use of the distribution network assets means significant carbon and environmental benefits. The system favours renewable energy sources and facilitates the uptake of low carbon technologies.



UNIVERSAL SMART ENERGY FRAMEWORK (USEF)

A standardised framework that provides guidelines to build an integrated smart energy future. Its purpose is to accelerate the establishment of an integrated smart energy system which benefits all stakeholders, from energy companies to consumers.



The USEF framework aims to facilitate effective coordination across all the different actors involved in the electricity market by providing a common standardised role model and market design while describing communication requirements and interactions between market roles.

USEF turns flexible energy use into a tradeable commodity available for all energy market participants, separate from, but in coordination with, the traditional electricity supply chain to optimise the use of resources. USEF's ongoing development is managed by the USEF Foundation, a dedicated core team tasked with coordinating expertise, projects and partners while safeguarding the integrity and objectives of USEF.

USEF CONSULTATION

This consultation forms part of the third Work Package (WP3) of Project FUSION which explores the application of the USEF framework in the GB context and seeks to inform policy development around flexibility markets and the DSO transition.

The consultation seeks the opinion of GB energy market stakeholders towards innovative elements within USEF that could enrich current discussions and views on future energy market design. Project FUSION has developed multiple recommendations for implementing USEF in the GB energy system, and now invites stakeholders to provide feedback, to ensure USEF proposals are valid and relevant, as well as to enhance these where possible.



HOW TO ENGAGE AND RESPOND

The consultation will be open until **30th August 2019**. The consultation documentation is available to view in full via the Project FUSION webpage, and responses can be submitted via email to fusion@spenergynetworks.com

We will also be hosting two public events during the consultation period to allow stakeholders the opportunity to learn more on the framework and to have your say. Further details on these events will be available on the Project FUSION webpage and will be communicated to stakeholders who are registered on the project mailing list. If you'd like to be added to the mailing list, please contact us via fusion@spenergynetworks.com

HOW WE WILL USE YOUR FEEDBACK

Once the consultation closes, responses will be summarised and published on the [Project FUSION](#) webpage. The feedback we receive will provide industry learnings and inform the development of a reference implementation plan for USEF in the GB market, as well as the flexibility market trial taking place as part of Project FUSION.

CONTACT US

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