

WESTERN POWER DISTRIBUTION ENTIRE



Project Description

Project ENTIRE is a four year project that will be building on the lessons learned from the commercial trials within Project FALCON. The project is seeking to address the conflicts between a DNO and National Grid's contractual requirements for DSR.

This will be achieved by developing new systems and contracts with commercial customers to allow WPD to fulfil its requirements whilst also enabling it to sell the aggregated capacity into other DSR schemes when not required for the DNO. These services could include balancing services procured by National Grid. A key initial stage will be to locate all of the existing generation, whether currently connected to the network or not, and engage with their owners to explain the benefits of joining our new DSR scheme. This will include regular payments for making their assets available to WPD and third party DSR opportunities.

New systems developed within the project will manage customer's assets such as stand-by generators and large loads from heating, cooling and pumps. WPD will be able to monitor these in real-time to ensure that they are available, as well as start, stop, meter outputs and settle the billing for the services they participate in. Initial system functionality will be tested by connecting up WPD's own stand-by assets and mobile generation fleet.

Areas of Work

The project will be focused on two areas within the East Midlands that have been identified as requiring new GSPs (Grid Supply Point). These are very major capital works that will take long timescales to complete. WPD will use the new DSR capability to reduce peak winter demands and potential constraints on the existing GSPs which are becoming increasingly heavily loaded and reduce any operational risks associated with them.

Project Partners: SGC



FOR MORE INFORMATION CONTACT:

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