

Wessex Community Energy Network Meeting

national**grid**



National Grid Electricity
Distribution and Scottish and
Southern Electricity

16 May 2024

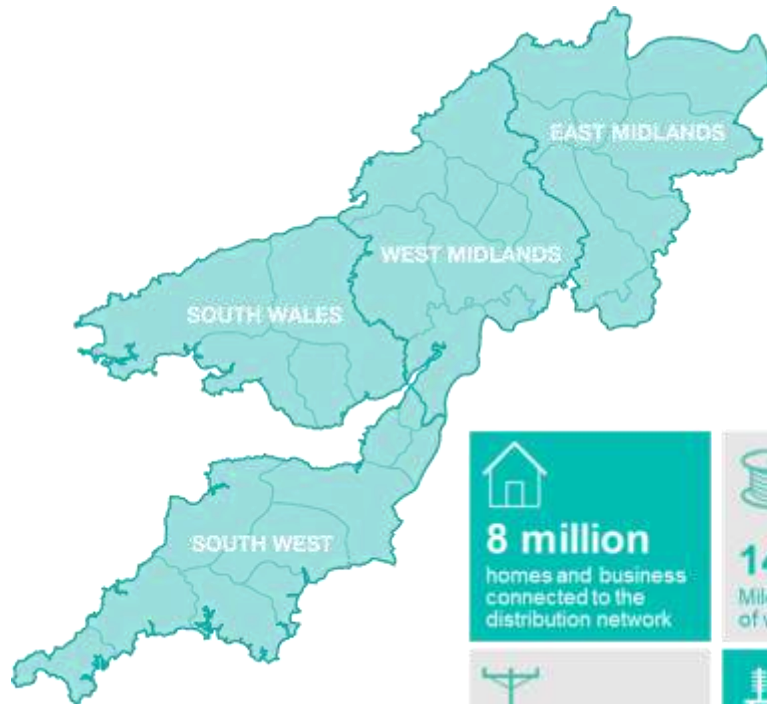
National Grid



Who we are – National Grid Electricity Distribution

nationalgrid

- We are part of the largest electricity transmission and distribution business in the UK
- Our vision is to enable net zero, while continuing to safely operate a reliable network and ensuring that this is affordable for our customers
- We will do this by delivering excellent customer service, by keeping the lights on and ensuring customers can have a connection when they want it
- Distribution Network Operator (here and now) and Distribution System Operator (the future network)



8 million

homes and business
connected to the
distribution network



141,672

Miles (228,000 km)
of wires and cables



2 million

Poles and towers



190,000

Substations



ABOUT SSEN DISTRIBUTION

- Our electricity distribution network delivers power to over 3.9 million homes and businesses across the diverse and unique geographies of the north of Scotland and central southern England.
- As a regulated business, our investments and income are governed through a regulated price control process.
- We are part of the broad-based energy company, SSE plc, which is leading the UK's transition to net zero.
- We currently have 460MW of flexibility contracted to our network helping to maximise the capacity of our assets.

OUR DISTRIBUTION NETWORK AT A GLANCE

Over **3.9million** homes and businesses

More than **888,000** customers on our Priority Services Register

Over **128,000km** of overhead lines and underground cables

Over **460km** of subsea cables powering our island communities

Over **4,100** employees across the country

Figures as at October 2023



Distribution System Operation

Strategic Investment Process



Forecasting



The **Distribution Future Energy Scenarios (DFES)** identify how customers will use our network in future

Network Impact Assessment



The **Network Development Plan (NDP)** uses forecasts to analyse and identify future network constraints

Optioneering



The **Distribution Network Options Assessment (DNOA)** outlines how we plan to invest in our network to solve constraints

Community Energy – our role

- Provide direct support for community energy, to help new schemes connect to our network
- Build community energy groups' capabilities to participate in, and benefit from, flexibility markets to help unlock additional capacity
- Drive innovation projects and access to funding for community energy groups
- Provide education and support
- Work with community energy schemes to tackle fuel poverty
- Ensure the network can accommodate new community owned generation at scale



Community Energy - Update on where we are now

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- Net Zero Communities Strategy published every year
- Produce Community Energy Newsletter – April 2024
- Our first forum of the year was delivered online on 7 March 2024 - attended by community and local energy stakeholders
- In-person dissemination events planned 14 June (Exeter) and 28 June (Leicester)
- YouTube videos explaining key areas of energy to new stakeholders and help access expertise from relevant parts of the National Grid team
- Community Energy Surgeries

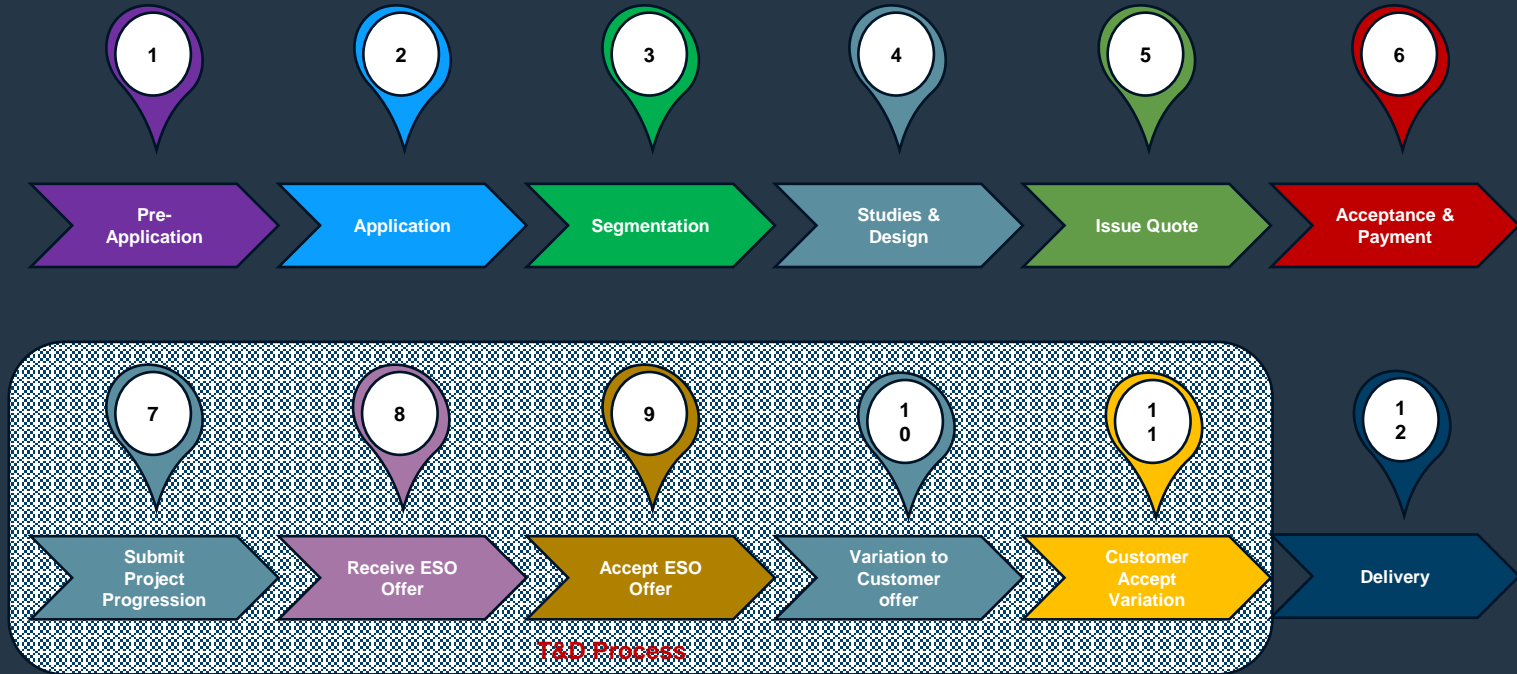
ENA 3 Point Plan

- ESO, Transmission, DSO, DNO all working together
- The 3 point plan aims to reform the queue of network connections by supporting customers through:
 - Reforming the distribution network connections queue, promoting mature projects that are closer to delivery above those that may be 'blocking' the queue
 - Changing how transmission and distribution networks coordinate connections, improving their interactivity
 - Greater flexibility for storage customers through new contractual options





CONNECTIONS PROCESS



Contact us

National Grid

To find out more or to book an appointment then please get in touch:

South West & Wales: 0800 028 6229

Midlands: 0800 121 4909

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Please mention that your enquiry is for community energy appointments when you call.

www.nationalgrid.co.uk/customers-and-community/community-energy



THANK YOU

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Scottish & Southern
Electricity Networks