

power
responsive

national**grid**

Demand-Side Management: the System Operator View

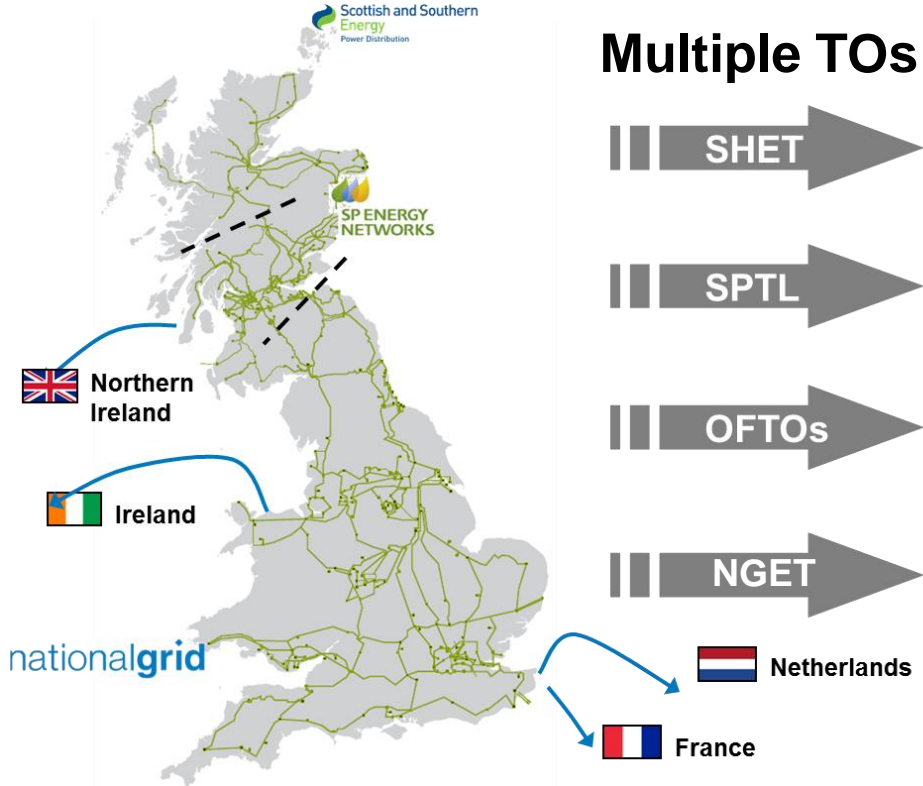
Adam Sims

SO Flexibility Manager
Electricity System Operator

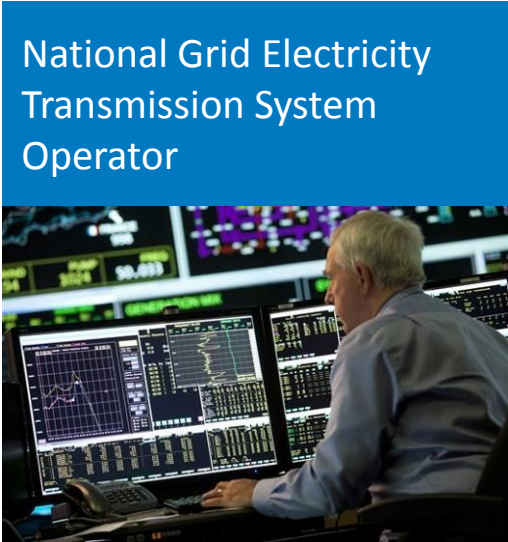
ESMAP Knowledge Sharing Forum



National Grid's role as System Operator

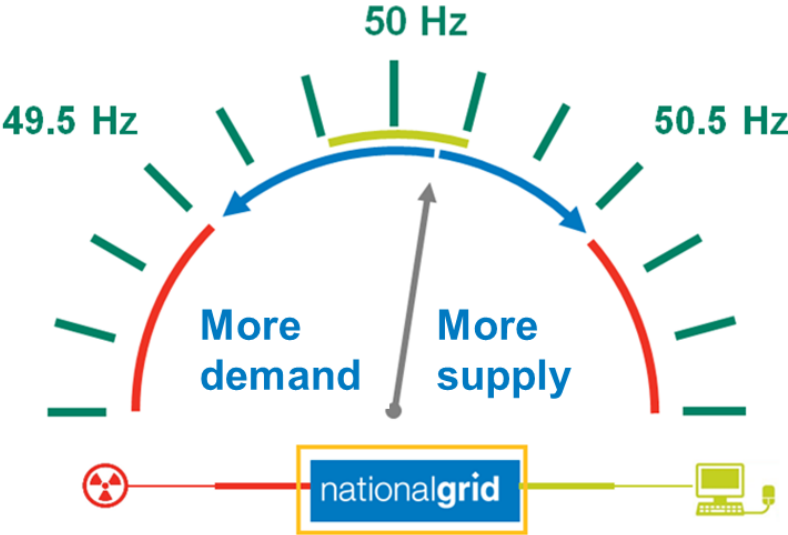


One SO



National Grid's role as System Operator

Efficient, economic & coordinated development of the Electricity Transmission System

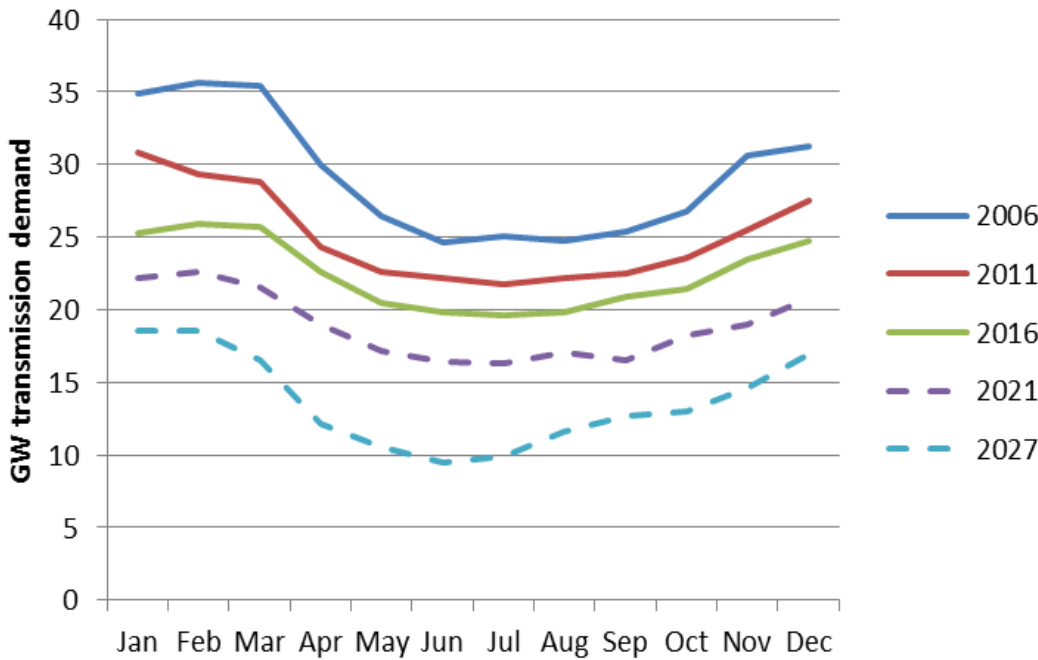


Residual energy balancing post-gate closure

Maintaining quality and security of supply

What is flexibility and why do we need it?

- What do we mean by “flexibility”?
- Why do we need more flexible plant?
- How are we going to create the environment where flexibility is rewarded?



Introduction to Power Responsive

Purpose

- Launched in 2015 to support growth in participation of demand side flexibility into GB electricity markets
- Stakeholder-led programme of work, facilitated by National Grid SO

Engagement channels

- **Steering Group** – almost 30 members representing all stakeholder groups established
- **Flexibility Forum** – to deliver fresh messages and clarity to demand side flexibility stakeholders, create engaging debate, and work towards action/solutions
- **Sponsors' events** – Major Energy Users Council, The Energyst
- **External events** – RWM, Solar and Storage Live, Energy Live, Flexible Networks

Power Responsive programme objectives – Year 3

1. Continued Customer Engagement

- Broaden engagement activity to include stakeholders in other sectors
- Continued deeper engagement with DSR stakeholders

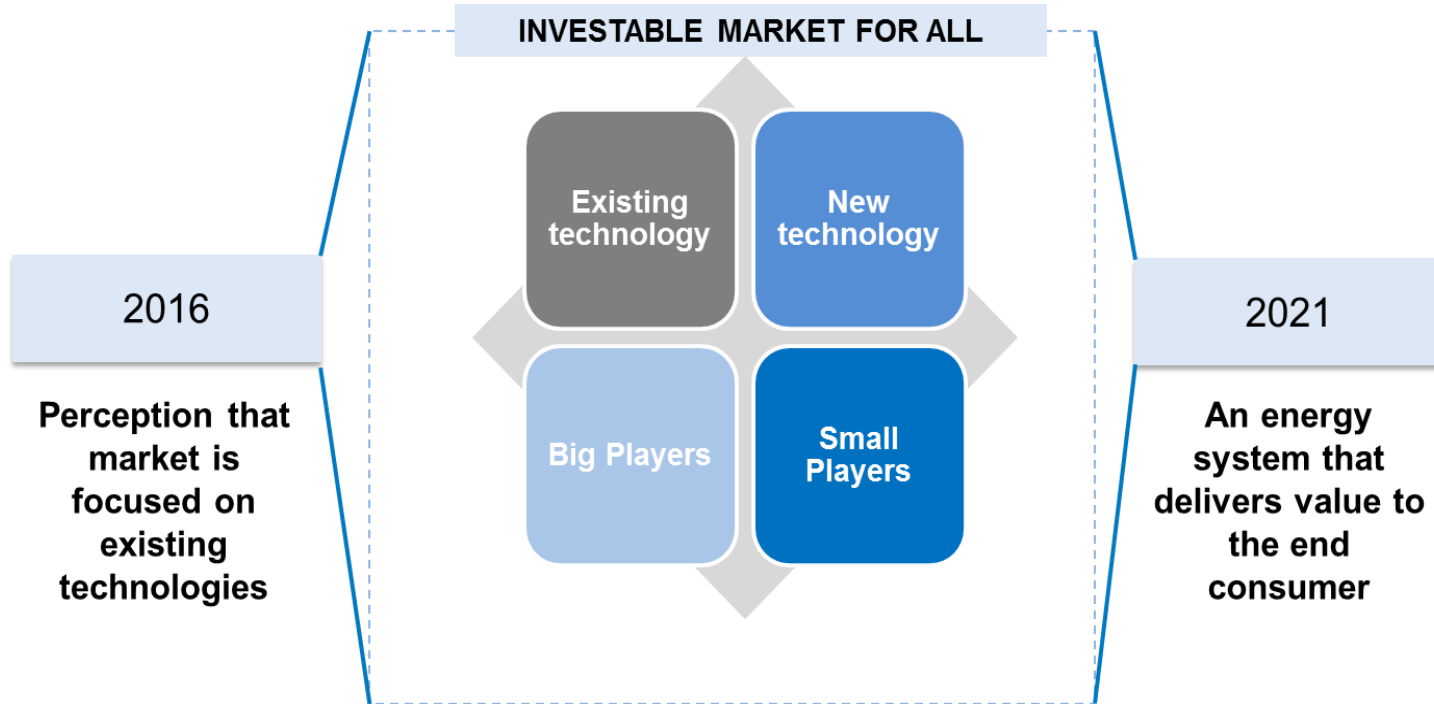
2. Increase Confidence in Flexibility

- Providing information that supports confidence to invest
- Support activity to build confidence in working with partners

3. Evolution of Flexibility Markets

- Simplifying Balancing Services to encourage participation
- Trial sharing of services with distribution networks

Future of Balancing Services



System Needs & Product Strategy consultation

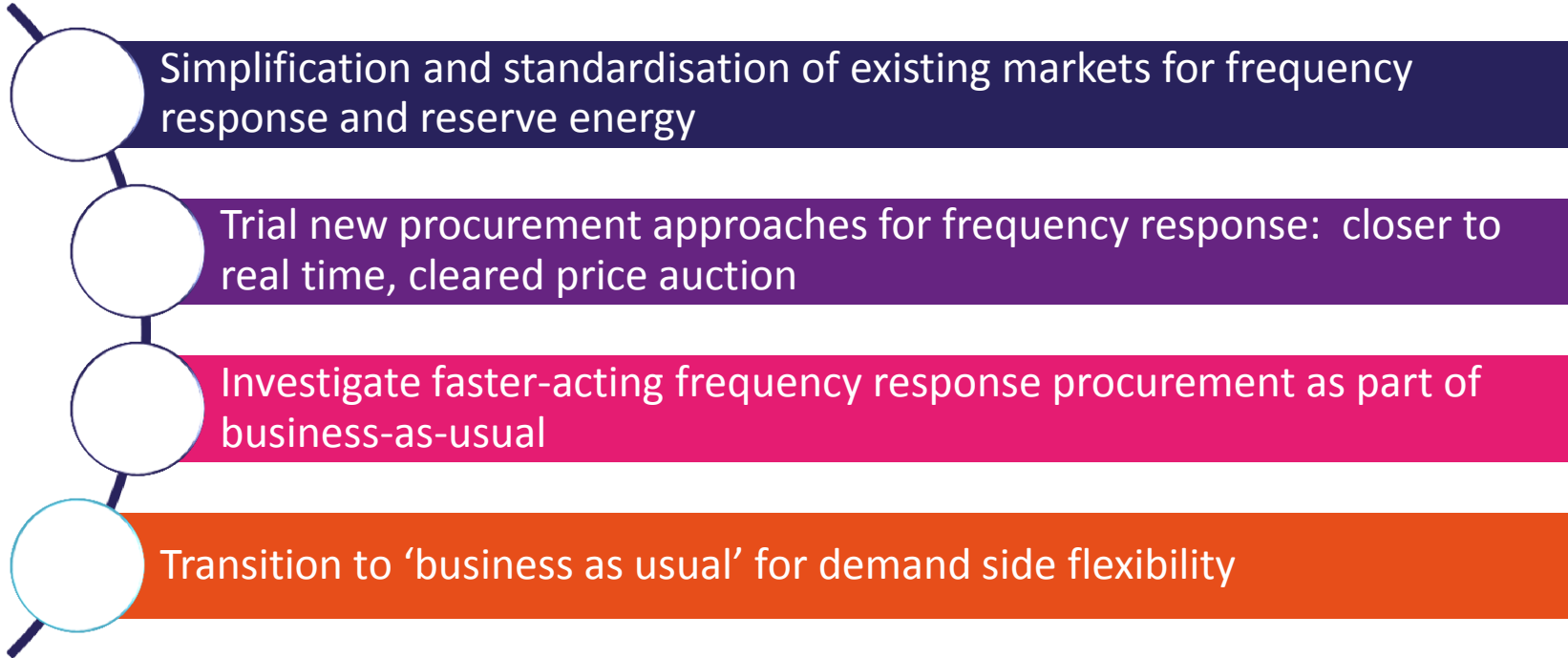


128 responses

10+ industries
consulted

98% Agree with
approach

Future of Balancing Services – What's next?



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Future of Balancing Services:

www.nationalgrid.com/uk/electricity/balancing-services/future-balancing-services

Power Responsive Programme:

www.powerresponsive.com

LinkedIn:

Power Responsive

For National Grid service opportunities:

commercial.operation@nationalgrid.com

