Pelectricity

Bringing energy to your door

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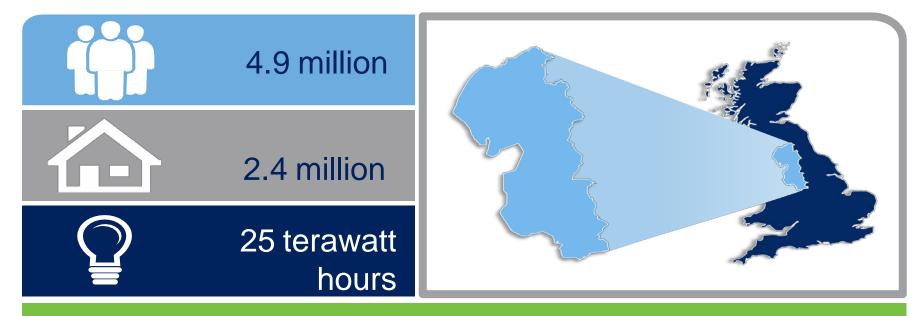
Our Vision for a Distribution System Operator (DSO)

Paul BirchamCommercial Strategy& Support Director21 March 2017

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Introducing Electricity North West

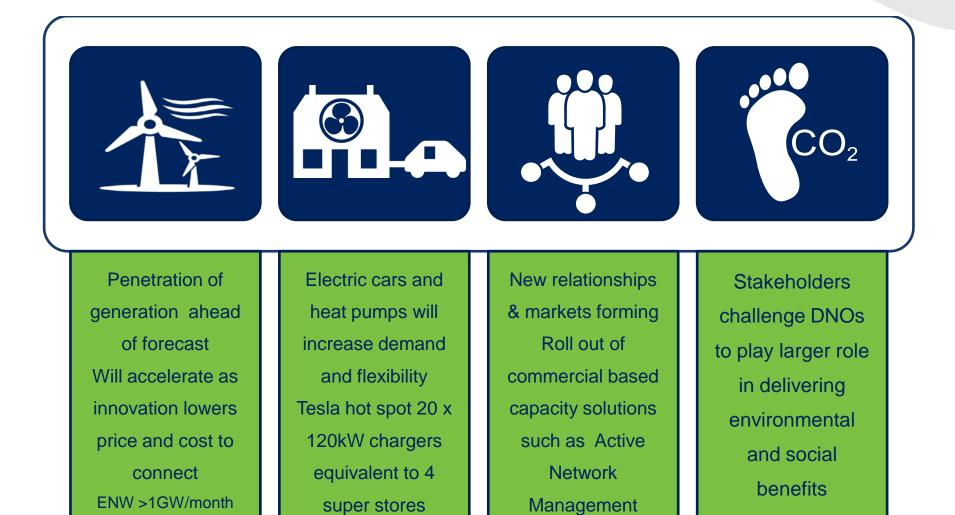




£12 billion of network assets 56 000 km of network • 96 bulk supply substations 363 primary substations • 33 000 transformers

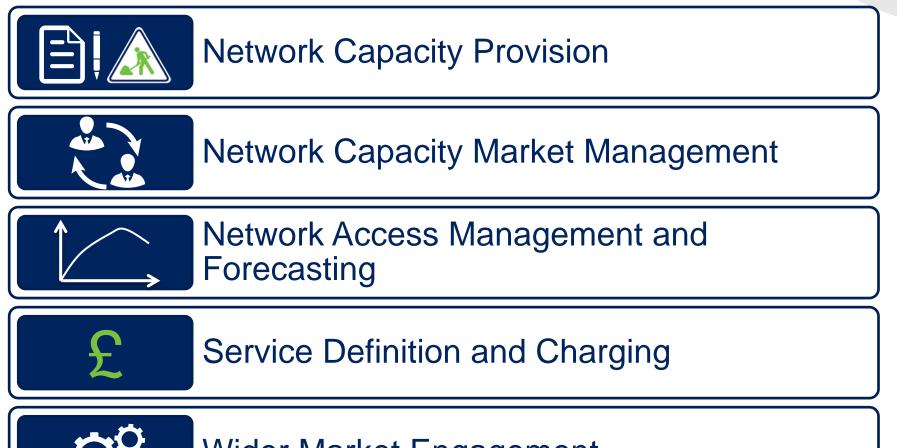
Drivers of Change





3







Ensuring sufficient generation capacity – remains responsibility of National Grid

Our responsibility: To enable customers connected to our networks the freedom to buy and sell their energy safely, securely and at lowest cost

Requires new service model for network management and design Provision of flexible network capacity through local and regional balancing

DSO will need to determine:

Point of
Connection
and operating
termsAny new
capacity
requiredQuality of
supplySecurity and
Resilience
standardsElectrical
losses
optimisation



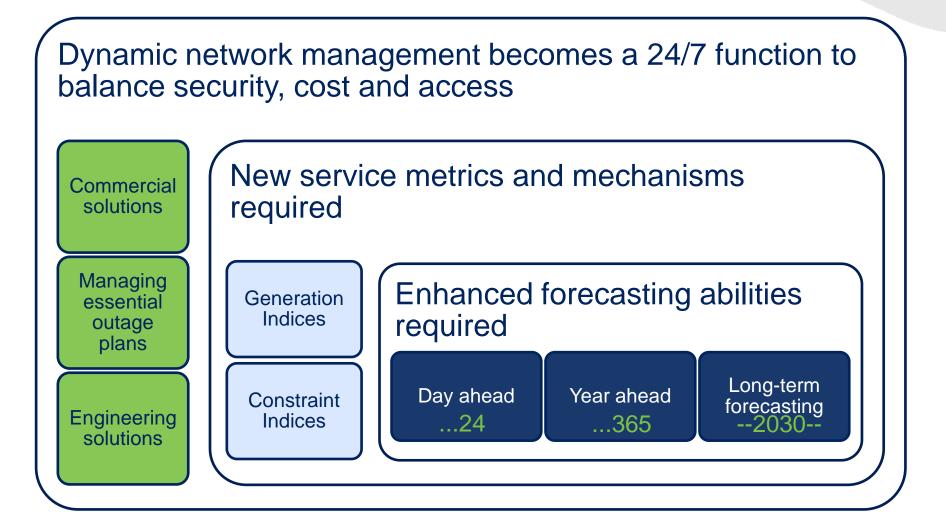
Maximising utilisation of all existing network capacity ensures efficiency

Provision of capacity **for** customers **from** other customers is often lowest cost, first option

DSOs must facilitate local markets for flexible capacity

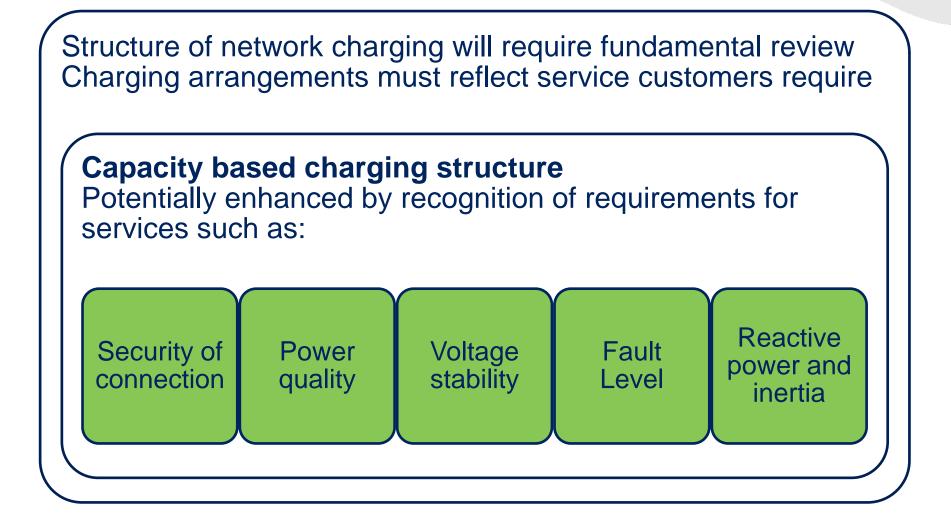
- Direct customer access
- Access through aggregators

Exchange of information and enhanced transparency necessary to avoid inefficient network over-stress and maintain security of supply



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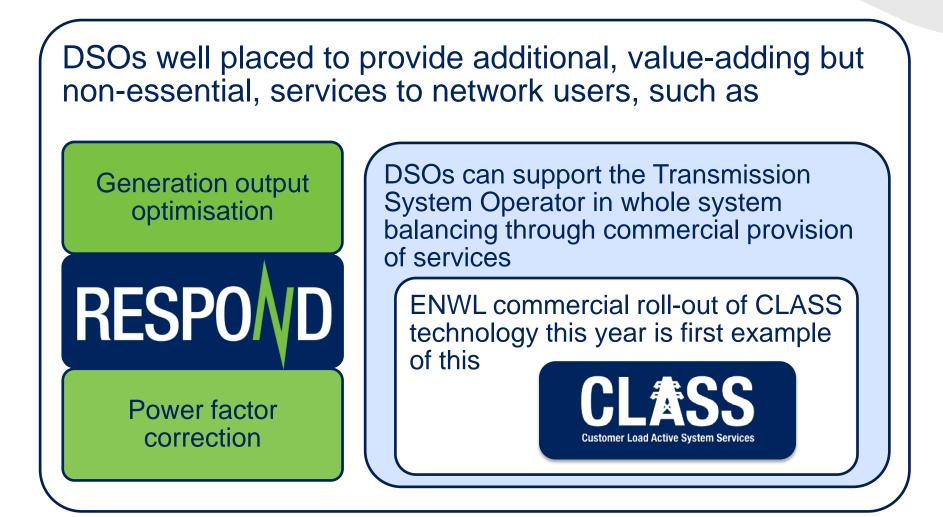
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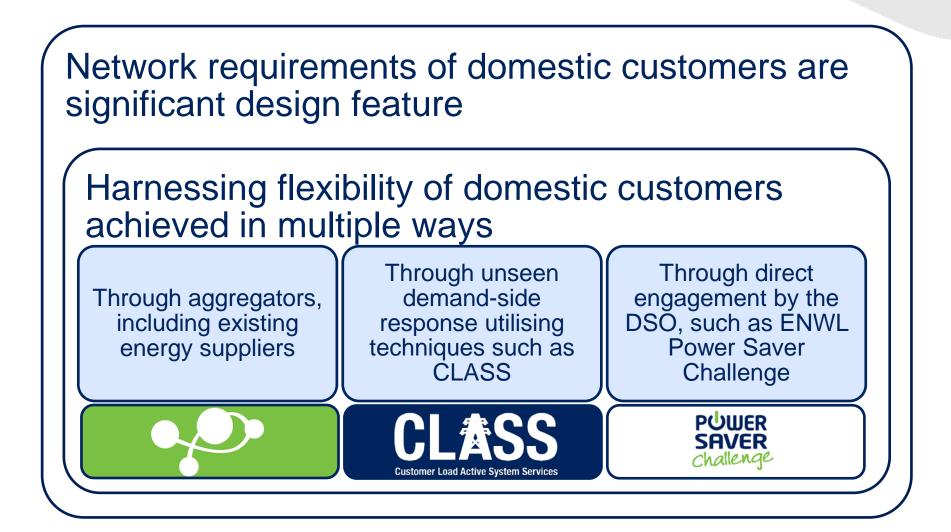
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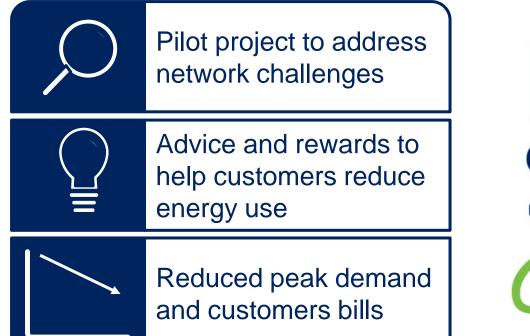






Power Saver Challenge







Partner collaboration and community action to reduce demand, save money for customers and deliver social benefits