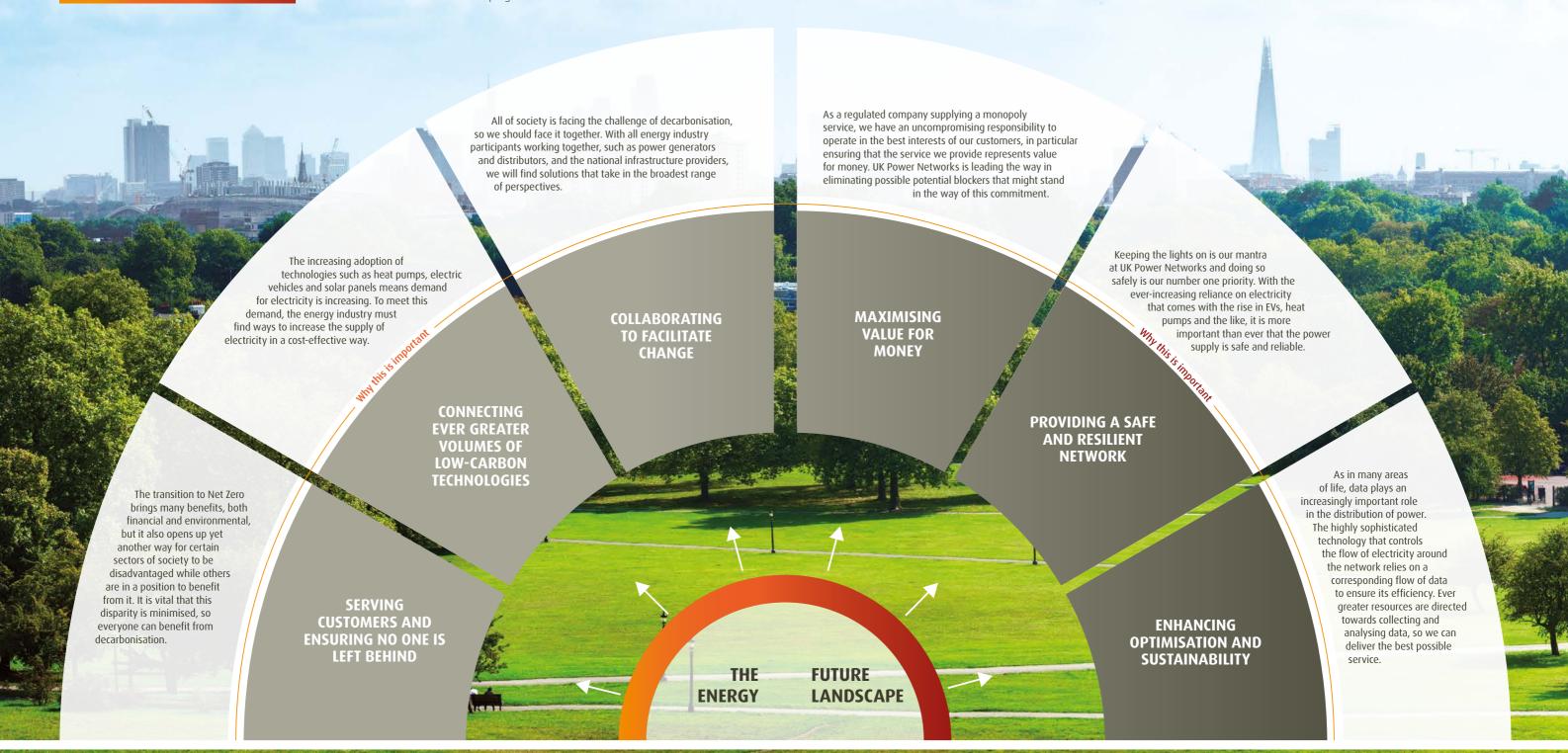
# The requirements for

# the future energy landscape

The decarbonisation of energy is both vital and urgent if Net Zero is to be achieved by 2050. We will all see fundamental changes to the way we live over the next decade. Technology is advancing fast, and the changes will affect society as a whole, as well as the wider energy system. UK Power Networks is determined to play a leading role in shaping how the future unfolds.



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## How we are supporting

# the future energy landscape

A network prepared

for an uptake in LCTs

connections process for

customers and their installers

Simplifying the LCT

A fair and just

transition for all

Innovation drives improvements in all aspects of our performance, helping us to find ways to be safer, more reliable, more cost-efficient and more equitable. We want to lead the way in tackling the transition of the energy system to Net Zero.

To turn this vision into reality, we focus on six fundamental themes:

- Supporting local and national Net Zero planning
- Benefiting customers through improved interactions across the electricity system
- Finding innovative ways to support decarbonisation of transport
- Finding innovative ways to support decarbonisation of heat

#### **WHOLE ENERGY** SYSTEM

#### **NET ZERO AND ENERGY SYSTEM TRANSITION**

- Understanding vulnerability through innovative data analytics
- Delivering great service
- Ensuring people are signed up for Priority Services Register
- Supporting people in the energy transition

strategy is at the the future energy landscape



#### of the service we provide." Basil Scarsella Chief Executive Officer, UK Power Networks

everyone to push the boundaries of what is possible, we are proud

energy landscape



Innovation is our life blood. With a culture that encourages

- Incentivising customers to adjust energy usage - known as network flexibility
- Encourage greater participation from the flexibility market
- · Innovating new flexibility product design
- · Testing and proving the case for real-time and Net Zero operations

**FLEXIBILITY** 

AND COMMERCIAL

**EVOLUTION** 

#### · A more resilient network

- · A more efficient maintenance programme
- Maintain asset health

**DATA AND** 

**DIGITALISATION** 

Increase capacity/maximise utilisation of the network

#### **PROACTIVE OPTIMISED ASSETS AND PRACTICES**

 Harnessing the power of emerging technologies

- Optimising the use of our existing assets
- Facilitating the sharing of our data

### CONSUMER **VULNERABILITY**

Our innovation heart of supporting