Capital Delivery

Welcome to National Grid!

Alison Fulford

nationalgrid

Housekeeping

Introductions

Workplace Services and our Warwick Campus

We enable National Grid …

800

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& we are passionate about driving sustainability in our Workplace …

Creating opportunities and accessibility for green commuting

liftshare for work

Proactively reducing our environmental impact and reducing local congestion by promoting and supporting Liftshare

Providing a platform to generate ideas, create discussion, share experiences and thoughts for alternative travel with our online ‘Green commuter’ Yammer page

Delivering additional benefits to our employees to purchase cycles and cycling equipment as well as sharing positive case studies

Creating opportunities and accessibility for green commuting

Green commuter bays for occasional car use

Charging bays for electric and hybrid vehicles

Promoting travel by train and bus

Providing shuttle buses to reduce car use

Cycle hub for cycle maintenance.

Showers and lockers available for green commuters

“Eliminate single-use plastic from sale in our offices by 2020”

5 Million Pieces Per Annum Elimination

“We don’t need a handful of people doing zero waste perfectly. We need millions of people doing it imperfectly.”
- Anne Marie Bonneau

#SaveEviesWhale
Chairman's Awards
CHAIRMAN'S AWARD

Capital Delivery

Net Zero at National Grid

Alison Fulford

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What we do UK

Electricity Transmission

7,200km overhead lines
1,560km underground
346 substations

Gas Transmission

7,660km high-pressure pipe
24 compressor stations
504 above-ground ints.
8 connected distribution networks

What we do US

Electricity Transmission & Distribution

14,219km overhead lines

1,140 substations

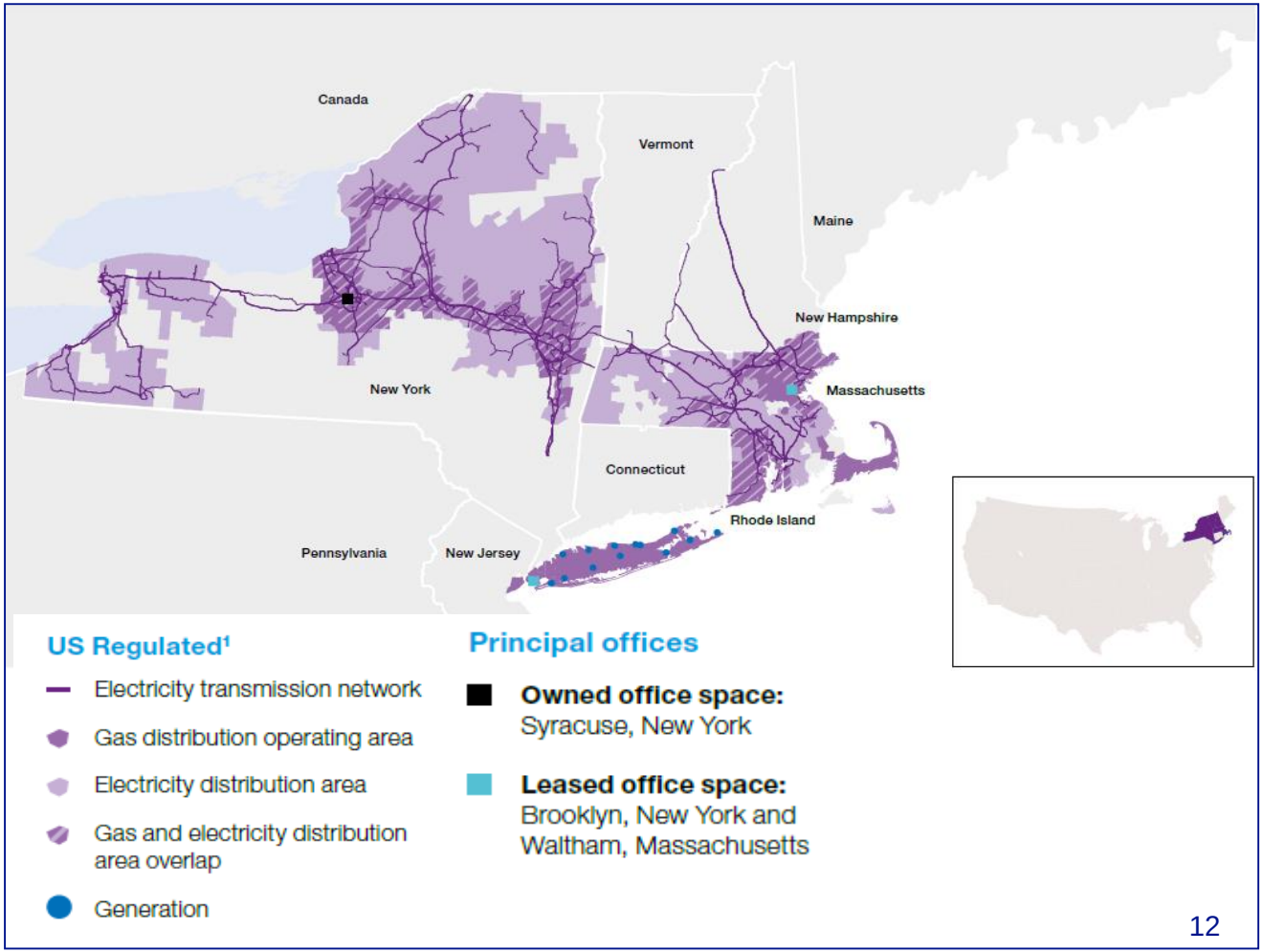
3.4 million customers

Gas Generation & Distribution

35,265 miles gas pipeline

4,000 megawatts in generation capacity

3.6 million customers for gas

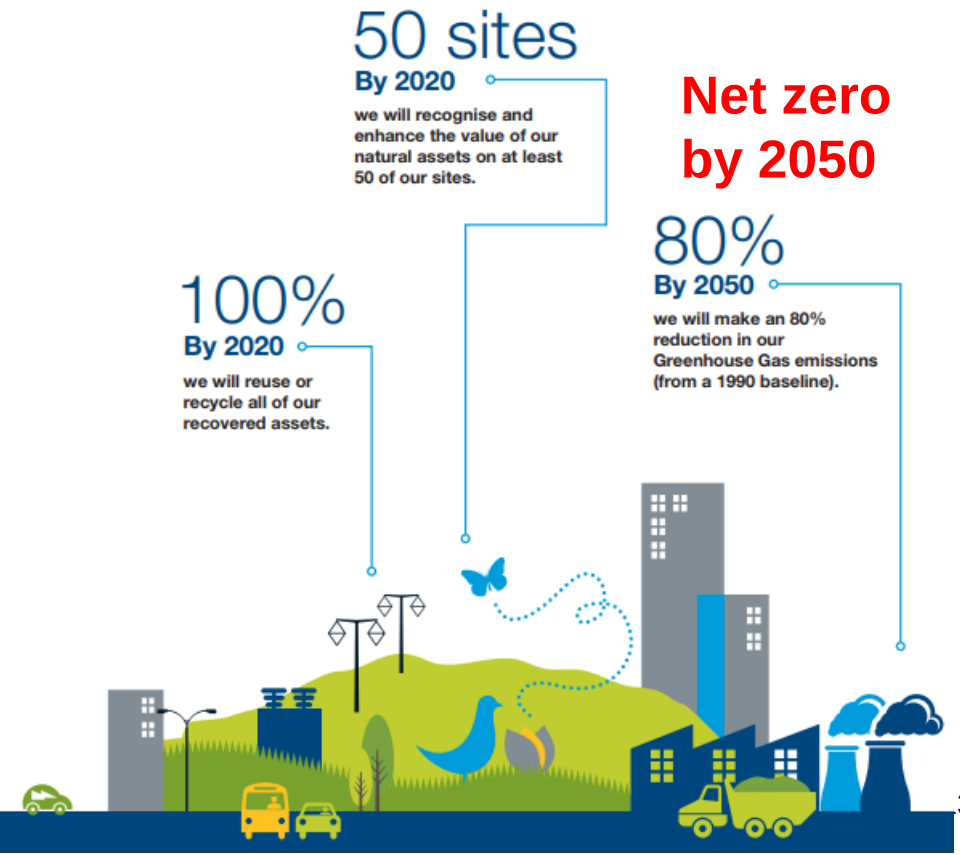


Managing our own Impact

Environmental Sustainability Strategy – Our Contribution

- Our climate commitment
- Responsible resource use
- Caring for the natural environment

ISO 14001



Progress so far

100% already achieved

In 2017 we set ourselves the target to send zero office waste to landfill by 2020.

Current Performance:

63%

reduction in our business carbon footprint from a 1990 baseline

37 sites so far

We are at 74% of our target

2020

By 2020 we'll recognise and enhance the value of our natural assets on at least 50 of our sites.

Capital Delivery

Net Zero UK

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Biggest Impact

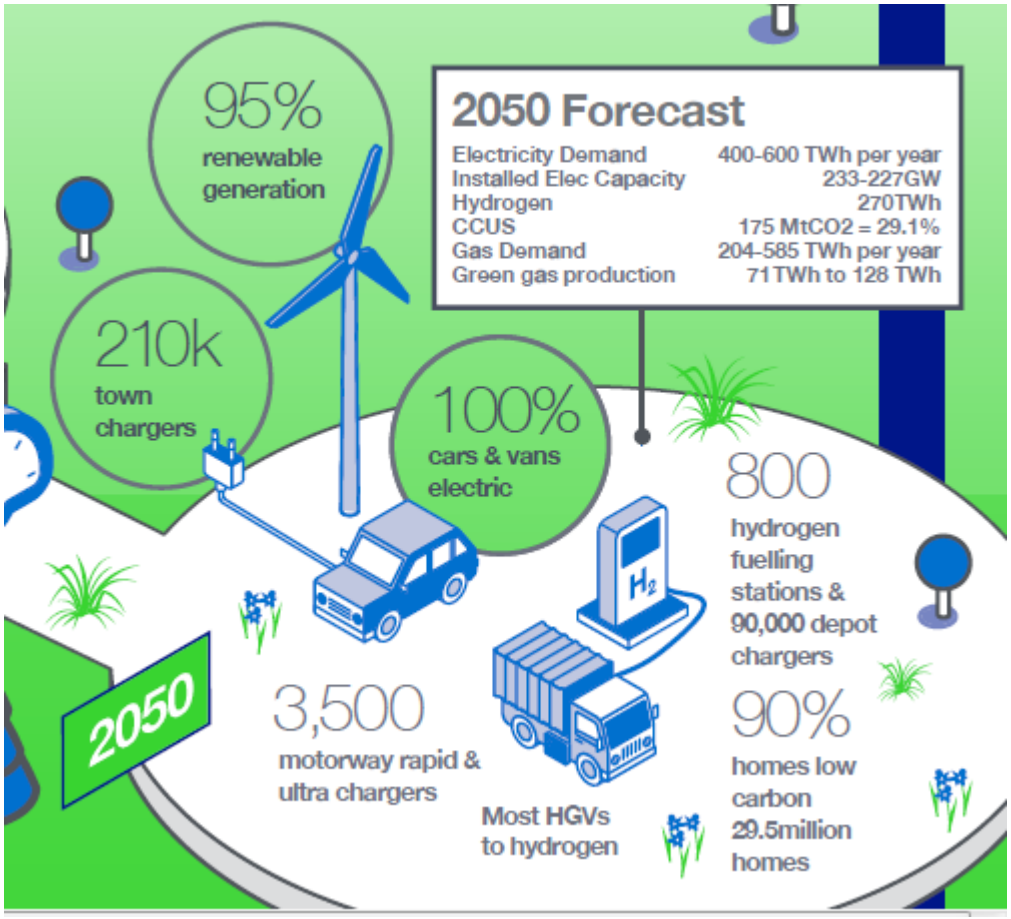
The changing energy landscape

extinction rebellion

Planning for a low-carbon future – helping decarbonise society's energy needs

In 2050

- Doubling of electricity demand, critical role for flexibility
- Decarbonisation of land transport - all sales from 2035 being electric.
- A near total decarbonisation of heat with heat pumps, heat networks and hydrogen. Gas demand is estimated to be at 68%
- Offset residual emissions ideally through our own land



What are we doing today?

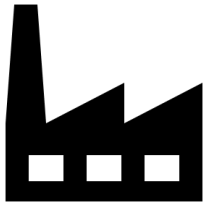
Strategic Charging Network

- 54 service stations
- 99.6% of drivers will always be within 50 miles of rapid charging hub

Low Carbon Heat

- Trailing hydrogen projects
- Member of industry hydrogen group

What are we doing today?



Net Zero Industry

- Potentially setting up a CCUS partnership in the Humber.
- This would be 1 of 6 potential hubs

Sequestration

- Exploring offsetting options, focused on our own land first.
- Want to understand different habitat options and link to biodiversity

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