

electricity
north west

Bringing energy to your door



Leading the North West to zero carbon

Helen Boyle

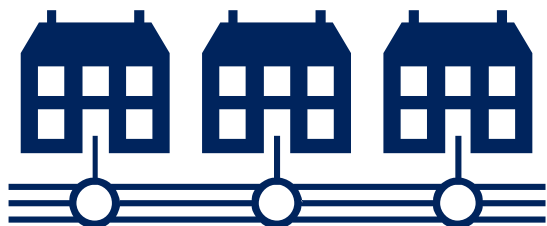
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- Owns, operates and maintains £12bn of electricity infrastructure in the North West
- Priorities:
 - Affordability
 - Sustainability
- Invests more than £1m per day in the electricity infrastructure in the region





Paris Climate Change 2015

Carbon Neutral Greater Manchester by 2038

Electric vehicles

Heat

Distributed Generation

Macro drivers with region-wide affect. Concentrated in cities.

BOTTOM LINE 2 X grid capacity and 3 X energy at same cost and reliability

Establish partnerships

Forecasting

Strategic infrastructure

Commercial relationships

Smart city

Our Purpose

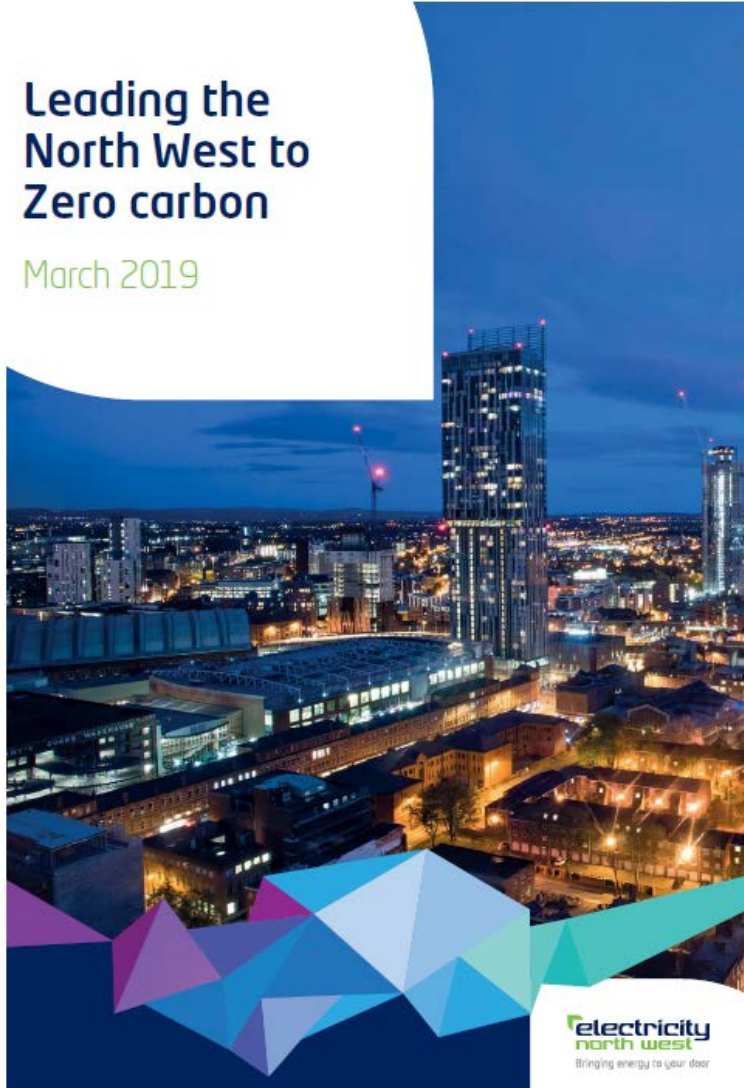
“ Together we have the energy to transform our communities. ”

Our Plan – ‘Leading the North West to Zero Carbon’



Leading the North West to Zero carbon

March 2019



- ✓ We will play a crucial part in leading and enabling decarbonisation across Greater Manchester and the North West
- ✓ RIIO ED1 contains £68.5m to decarbonise:
 - ✓ The business community
 - ✓ Communities
 - ✓ Colleagues
 - ✓ Our own operations
- ✓ Supports the region’s economic growth and low carbon aspirations
- ✓ www.enwl.co.uk zerocarbon@enwl.co.uk

Activity six month forward view



June

Carbon awareness training

July

Losses mitigation strategy
Change to renewable energy supplier
Purchase 2 electric mini diggers

August

Colleague EV incentivisation strategy
First near zero carbon substation
Proposals for two zero carbon substations
Depot lighting replaced with LEDs
EV charging points at all depots

September

Green pension fund
Energy usage panels at depots
Energy monitoring at non-operational sites

October

Replace lighting with LEDs at Parish councils
LCT at development in Preston

November

Smart Street

Who do we currently talk to about zero carbon?



The board/colleagues

Property developers

The media

NW large businesses

Local authorities

Automotive industry

Transport companies

Ofgem/BEIS

DNOs, ENA & IDNOs

Local enterprise partnerships

Think tank/policy influencers

Renewable energy companies

National grid

SME customers

Our domestic customers

Aggregators

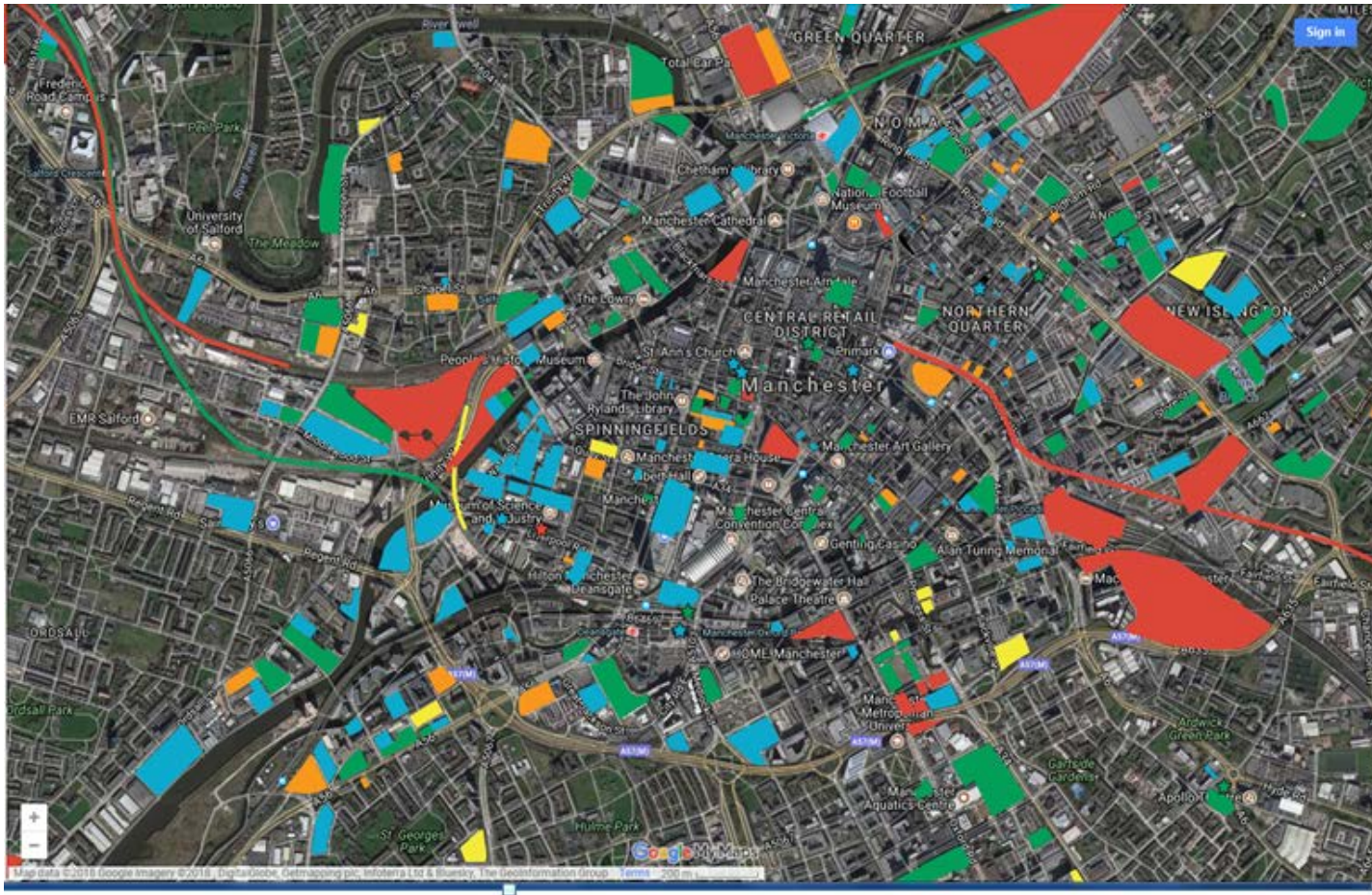
Environmental campaign orgs

Education sector – all levels

Environmental consultancies

Community energy organisations

What are we doing now in Greater Manchester?



- ✓ Manchester City Council partnership
- ✓ Joint planning allows efficient targeting of investment ensuring the network is not a barrier to sustainable growth and jobs
- ✓ Current major developments:
 - ✓ Manchester airport enterprise zone
 - ✓ Numerous commercial developments
 - ✓ Approx 50,000 new homes
- ✓ Solar Manchester
- ✓ Numerous flexibility calls in Manchester

Our role - Smart technology architect

Efficient capacity

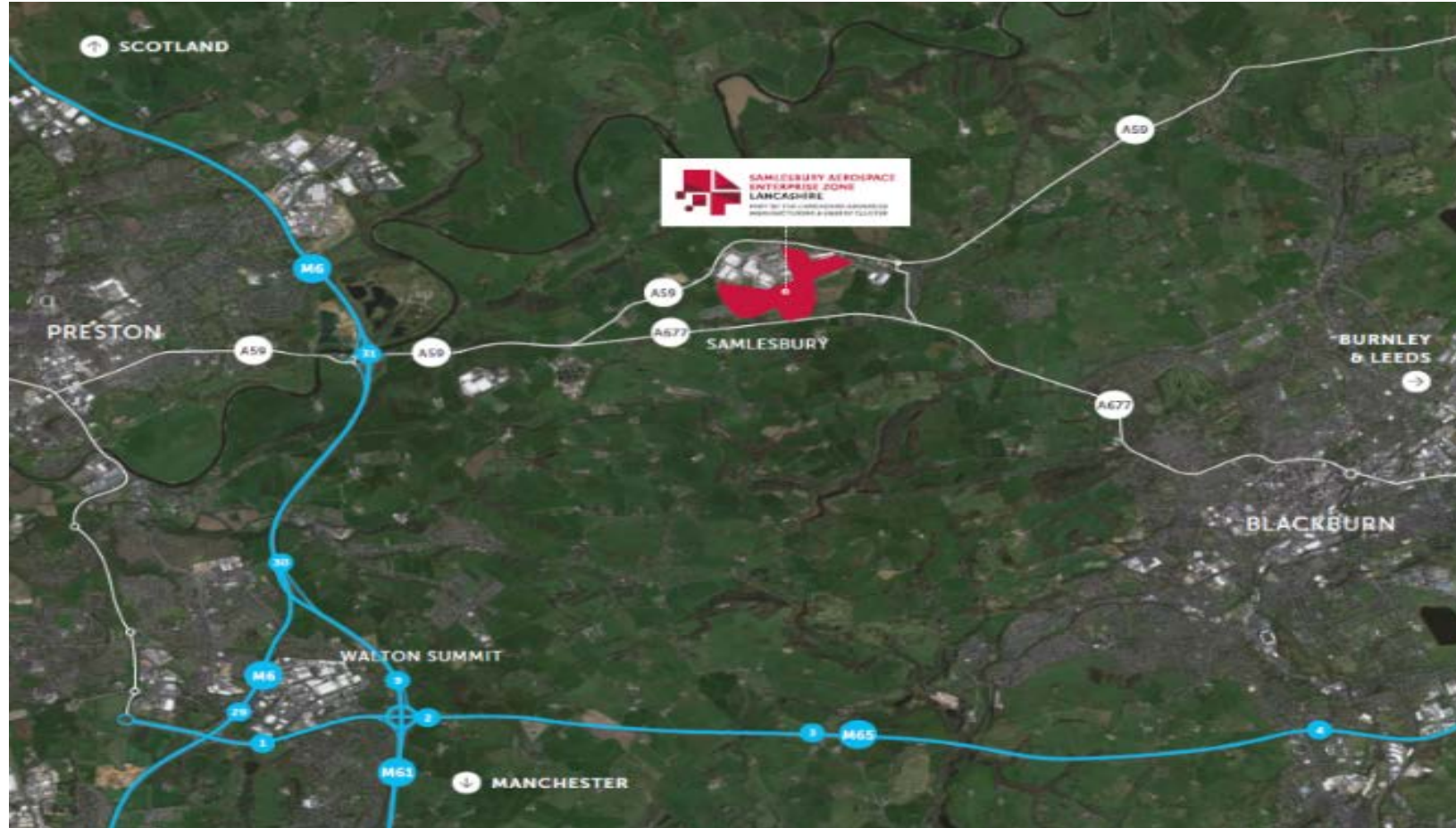
Trusted partner

SAEZ Overview

- 50 hectare site (circa 120 acres)
- High quality development to provide around 1m sq ft of business accommodation ranging from 2,500 sq ft to 350,000 sq ft units, generating over 3,000 jobs.
- When built-out it will be the national centre of excellence for advanced engineering and manufacturing related companies incorporating Hi-tech manufacturing/industrial/distribution facilities; Research & Development capability and Headquarter offices.
- It will accommodate the Advanced Manufacturing Research Centre North West to support R & D activities and knowledge-transfer within the aerospace and advanced manufacturing sector supply chain.
- Situated to the east of Preston in proximity to the M6, between the A677 and A59, and accessible from the A59 or A677.
- Next to existing operational site of BAE Systems and located in the heart of the largest cluster of aerospace production in the UK with over 13,000 people employed.
- Located within the Preston, South Ribble and Lancashire City Deal area supporting 17,000 new homes and 20,000 new jobs.



Location

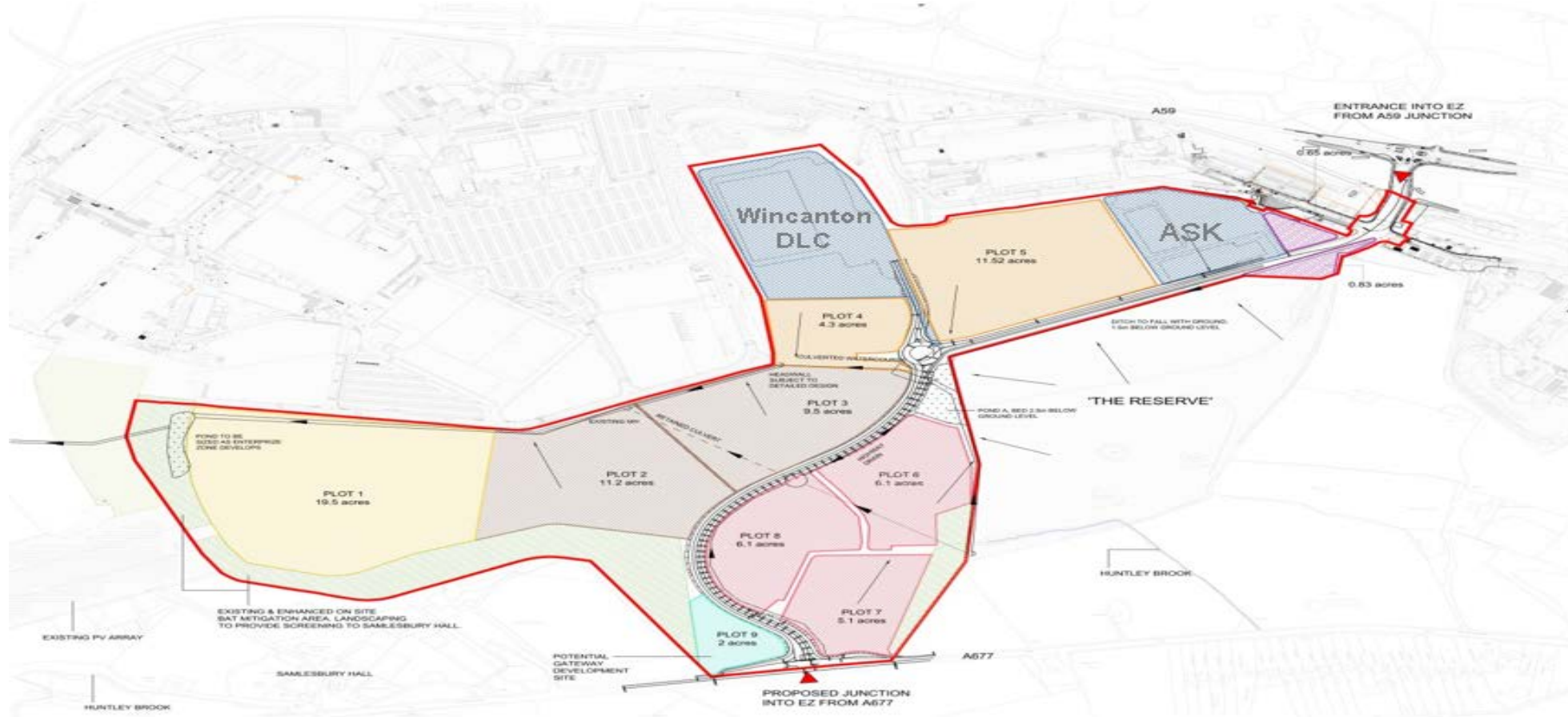


Samlesbury Aerospace EZ Site Artistic Impression





Commercial Development Framework





- In December 2018 launched the ‘Powering Our Communities’ fund
 - £75,000 to help communities understand and tackle energy issues locally
 - Part of our community and local energy strategy aimed at promoting community energy projects
- To March 2019 £71,000 in grant funds awarded to six projects across the region
 - Energy Local Alston Moor, Cumbria
 - Eco Warriors, Burnley Boys and Girls Club, Lancashire
 - Energy Justice Salford, Greater Manchester
 - Fuel Katao, Kashmir Youth Project, Lancashire
 - Community owned energy supply, Burnside Community Energy, Cumbria
 - Provisions of electronic displays for solar generation, Oldham Community Power, Greater MCR



Understand your needs and where we can help.

Long-term regional investment partner.

Shape our investment plans to enable economic development.

Energy expertise to make sustainability affordable.



Talk to us

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