

electricity
north west

Bringing energy to your door



ENWL Greater Manchester Stakeholder Regional Event

17 November 2023

Stay connected...



www.enwl.co.uk

electricity
north west

Bringing energy to your door



Welcome

Paul Bircham

Safety Compliance and Markets Director

Stay connected...



www.enwl.co.uk

Agenda



Welcome &
intro



Investing in
Greater
Manchester



Regional
plans for
growth and
net zero



Panel
discussion



Break



Capacity and
connections
applications



Roundtable
discussion



Q&A

If you would like to submit a question for our panellists feel free to complete one of the cards on the table.

We will also be taking questions from the floor during the session.



Safety moment – winter driving



Be aware of the change in season and what it brings
e.g., cold starts, ice, driving in the dark, low sunlight

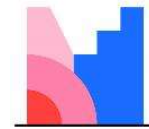
Housekeeping

Mentimeter polling – About you



We want to find out more about you:

- Open web browser
- Head to www.menti.com
- Use the code **7149 1234** to access polling



Mentimeter



Or use QR code

electricity
north west

Bringing energy to your door

ENWL investment in Greater Manchester

Paul Bircham

Safety Compliance and Markets Director

Stay connected...



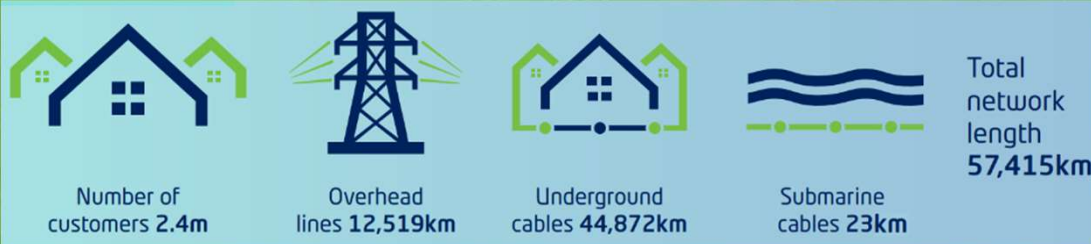
www.enwl.co.uk

Here for the North West



- We're the North West's power network.
- Our overhead lines, underground cables and substations bring power to 5 million people in 2.4m homes and businesses.
- We invest billions of pounds in the region focusing on key areas of **safety; reliability; customer service** and **net zero**.

We deliver a reliable essential service for everyone in the North West, 24/7.



**POWER CUT?
CALL 105**

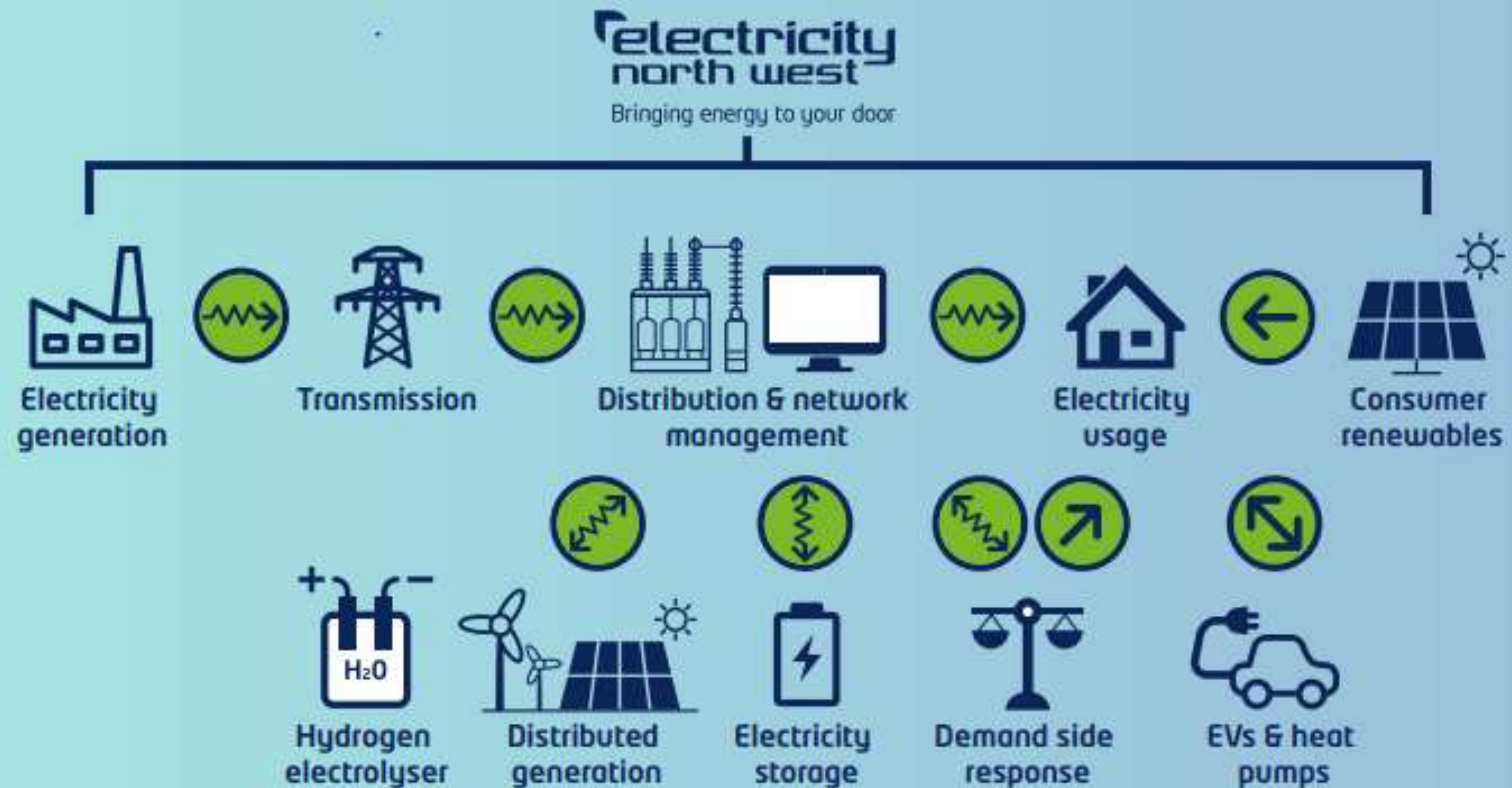
Our role is changing...

The way households and businesses use electricity, and the way it is generated, transported and traded, is changing rapidly.

These changes require us to be more proactive and adaptable in network management and develop new types of relationships with our stakeholders.



What was once simple and one directional, is now more complex and multi-directional



Our commitment to the North West between 2023-2028 (RIIO-ED2)



Vision: Leading the North West to Net Zero

We will deliver at least a 9/10 level of customer service and provide additional support to electricity users in vulnerable circumstances and fuel poverty



Customer

We will remain one of the world's most reliable networks, reducing the number of power cuts and the average time people are without power by 20%



Network

We will drive the transition towards local Net Zero targets, through distribution system operation, following a path to making our own operations Net Zero by 2038



Net Zero

We'll invest over £2billion in the network between 2023 and 2028



Our investment in numbers

**OVER
£2bn**

we'll invest over £2bn
in the network from
now to 2028

**OVER
£1m** we'll invest
more than £1m
per day into
the network

18,000

we developed our plans with input from
over 18,000 customers and stakeholders

**OVER
93%** we aim to
increase our
customer
service scores
to over 93%

£123

Our part of your electricity bill will
remain low (around £120 per year)

20%

we aim to keep power
flowing by reducing
customers' time
without power by 20%

£32m
in Greater
Manchester

reinforcing the
network at key
locations
including new
cabling and
substations

- Majority of plan funded incl bespoke funding
- Uncertainty mechanisms to secure additional funding

£33m
in Lancashire

increasing
capacity at 11
substations
across Blackpool,
Preston, Lytham
St Annes,
Rossendale,
Bacup, Tarleton,
Nelson,
Burscough Bridge
and Clitheroe

£40m
in Cumbria

to replace
154km of
overhead lines
in the county
over the next
five years

Regional investment benefitting the North West



Smart Street

Using innovative voltage control technology, Smart Street will enable our networks and customers' appliances to perform more efficiently and make it easier for low carbon technologies to connect to the electricity network in the future. Improving energy efficiency and reducing bills for 250,000 customers.

Investment
£64m

Savings up to
£70
per year

Customers
Impacted
250,000

LineSIGHT

Faults on rural networks can sometimes cause overhead power lines to hang low whilst remaining live, which also creates a public safety hazard. New technology developed by Electricity North West will enable the detection of damaged equipment earlier and help us to pinpoint the location of faults, enabling more efficient despatch of repair crews.

Investment
£34.5m

Overhead Line
Impacted
800km

Estimated
Completion
March 2028

CLASS

Our award-winning CLASS project uses innovative voltage control to reduce demand for electricity without customers noticing a difference to their service. CLASS (Customer Load Active System Services) is a low-cost solution which uses voltage control to manage electricity consumption at peak times. By installing cutting edge 'voltage controllers' in our substations we could save customers in the North West around £100 million over the next 25 years

CLASS revenue
shared with
customers
50%

North West
customer savings
£100m

Estimated
Completion
March 2028

Dig, Fix and Go

A bespoke incentive mechanism that aims to drive a transformational change to reduce the disruption our emergency street works cause to our customers and stakeholders. This is a proposal formed and led by our customer and stakeholder feedback. Reducing disruption by accelerating emergency street works to below 5 days on average.

Investment
annually
£5m

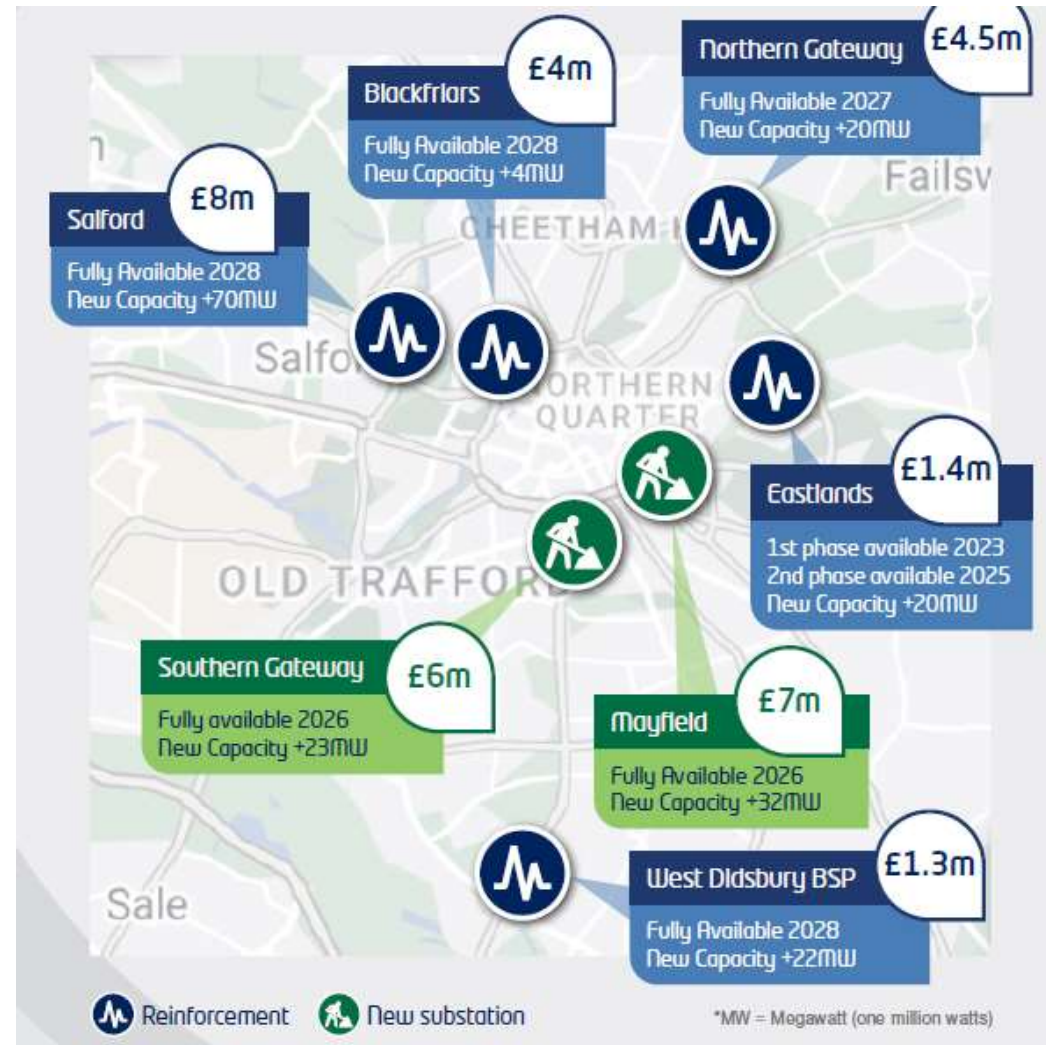
Average duration
emergency street
works
5.8 days

1 day reduction
benefit per
year
£21m

Manchester Strategic Investment Plan



- We are embarking on a major £32m project for Greater Manchester creating capacity equivalent to 150,000 homes and businesses.
- Includes seven sites covering Salford, Cheetham Hill, West Didsbury, and the city centre.
- The work will reinforce the network at various points including new cabling and substations, enabling more renewable energy generation and the take up of electric vehicles and heating.



Other investment examples in GM



Each red dot indicates the site of investment project planned for the next five years e.g;

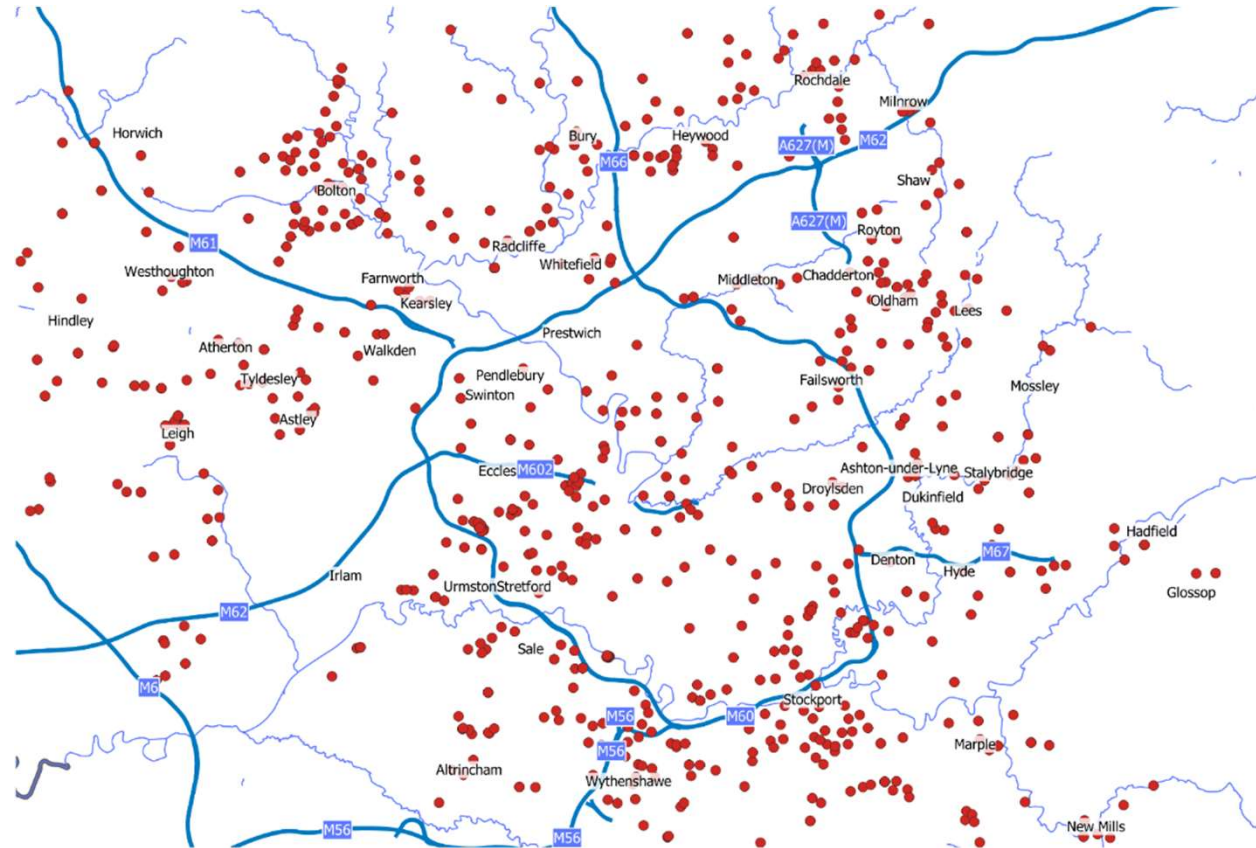
Hartshead substation, Stalybridge

Replacement of 3 x 60MVA transformers

**£4.22m
Cost**

**60,000
Customers
supported**

**March
2028
Estimated
completion**



A trusted partner in the North West



Our investment will help deliver wider benefits to the region, supporting local regeneration and extending economic opportunities across the North West.

We also place a strong emphasis on training & skills and are a trusted employer across the North West. Our business plan will see us deliver up to 1000 new jobs between now and 2028 and take on more apprentices.

- We run a prestigious apprenticeship programme. Awarded with the 'North West Recruitment Excellence Award' at the National Apprenticeship Awards.'
- We frequently partner with colleges and schools across the region.
- In 2023 we recruited 33 new apprentices across engineering, IT and cyber security.
- Our 2024 apprentice programme opens in November.



What next?



ENGAGE

We want to hear your views so we can reflect them in our plans today and tomorrow.

COLLABORATE

Together we use our expertise to meet the needs of the region and support our communities.

DELIVER

Our network of partners as well as our network of cables and lines is crucial to delivering for our region.



Greater Manchester Local Area Energy & Investment Plans

Mark Atherton (Dir. Environment) & Andrew McIntosh (Dir. Place)

17th November 2023

What is Local Area Energy Planning?

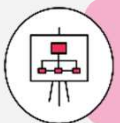
Local Area Energy Planning (LAEP) enables data-driven, spatial and collaborative planning, to help unlock investment and delivery of smart local energy systems – summarised by these 7 steps.



Each local area is different - its people, geography, building stock, energy networks and ambitions and priorities



Local Area Energy Planning provides a data driven, spatial and collaborative means, involving local government & network operators, of exploring a range of possible future local energy scenarios to cost-effectively decarbonise



Resulting in the identification of energy network and system choices to support carbon neutral aspirations - informing what local action is needed and where

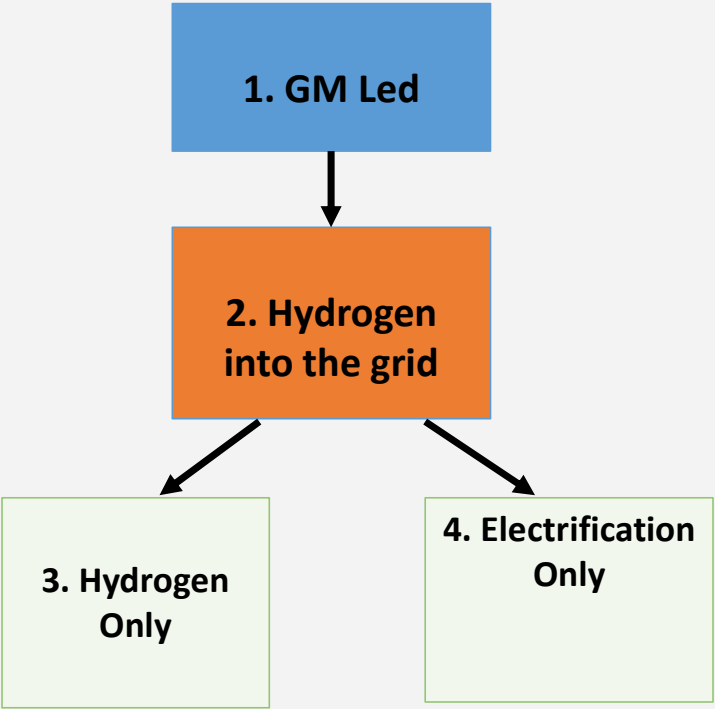


Supporting Research

The Local Area Energy Plan is built up using a range of research and data assets e.g.,

- **Parity Projects:** Stock condition modelling of 1.2m homes
- **Go Neutral:** Public building and land analysis for on site generation, storage and EV infrastructure
- **Public Buildings:** Desk top and available data sets from PSDS and more
- **Heat Network:** Analysis provided by HNDU feasibility studies and the CDDP programme (BEIS)
- **EV infrastructure:** Historic analysis and studies held by GM/TFGM
- **Energy Networks:** Data provided by both the GNO and DNO (ENW and Cadent)
- **National data sets:** EPC, DEC etc

Process: Modelling future scenarios



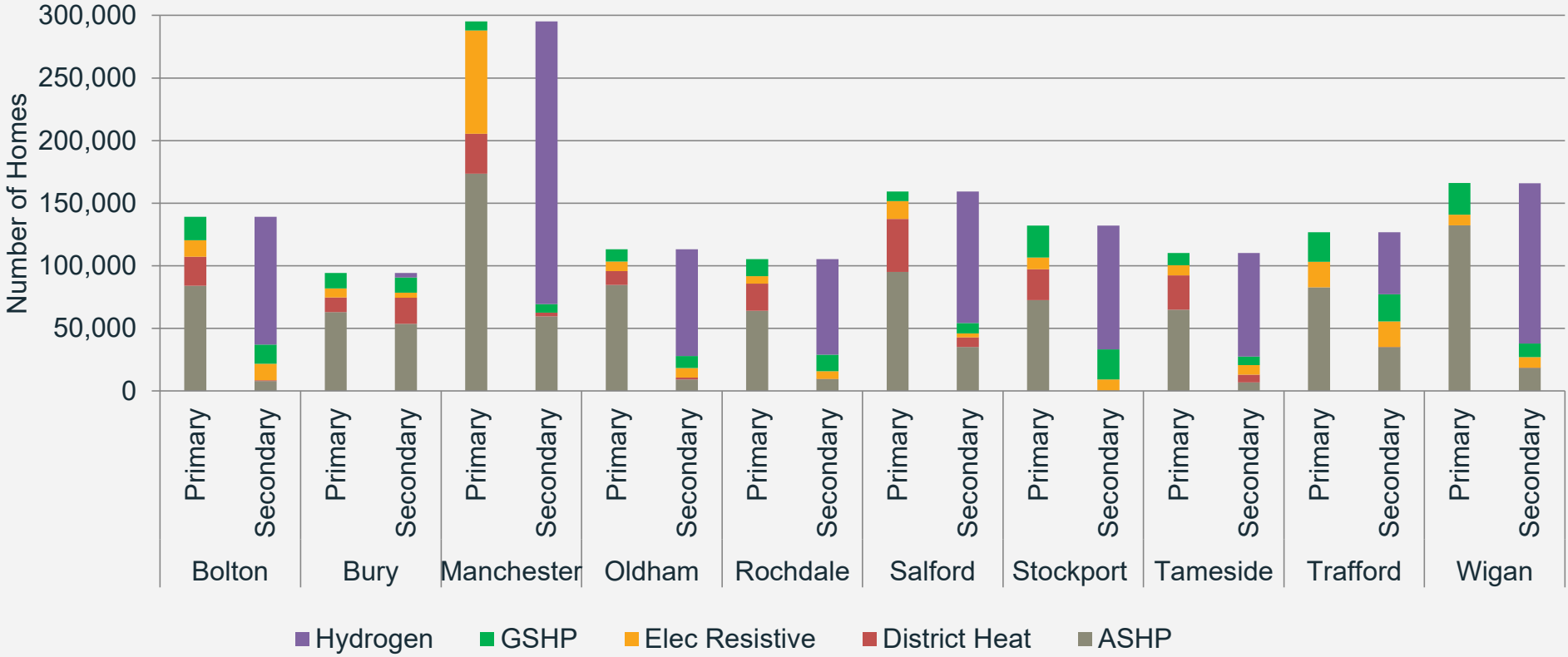
Greater Manchester leading the way with immediate action

HyNet Phase 3: Gas grid repurposing

Counterfactuals for context

Multiple Decarbonisation Options

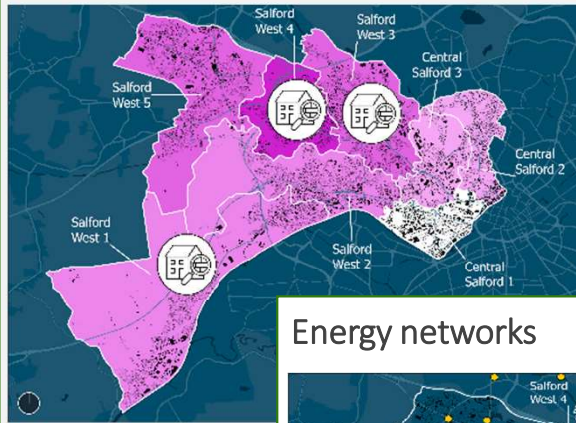
Deployment of Heating Systems by 2038



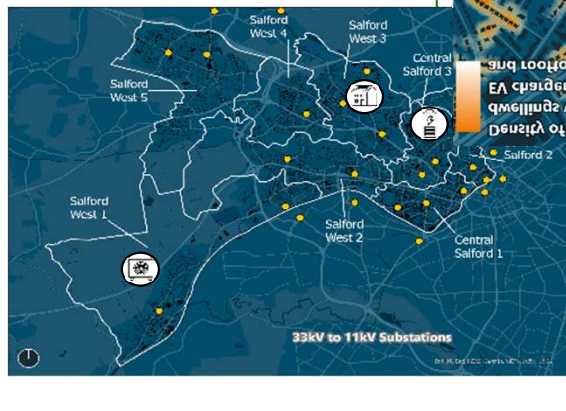
How and Where?

Our Local Area Energy Plans

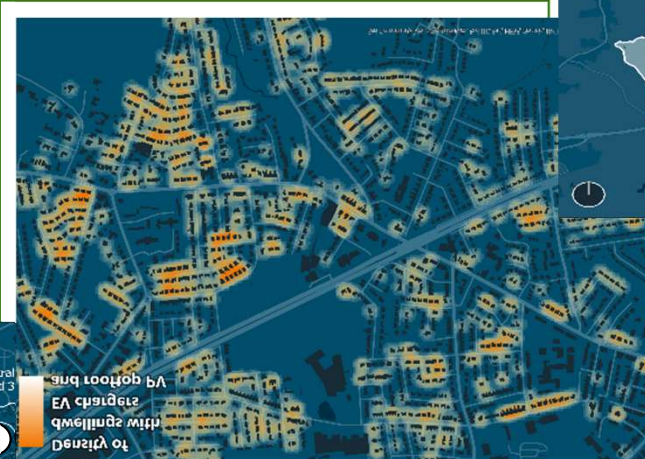
Retrofit Analysis



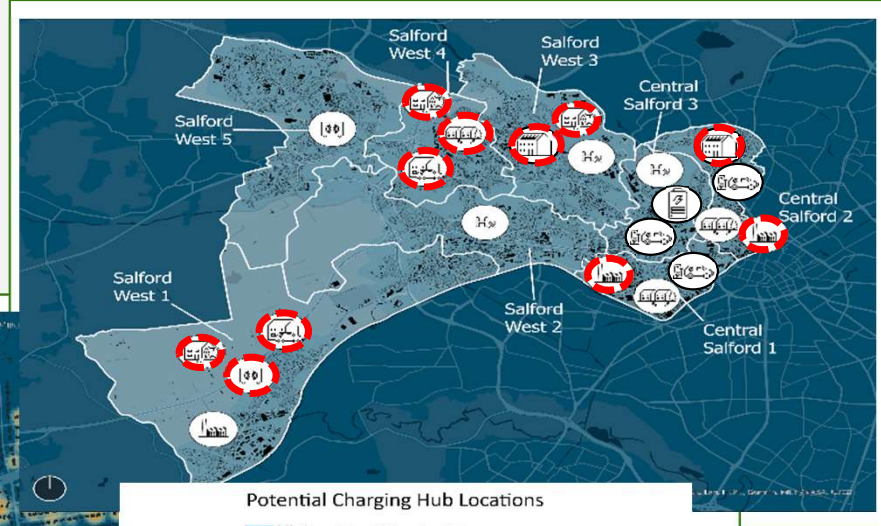
Energy networks



Solar PV and EV density by 2038
Salford west 4

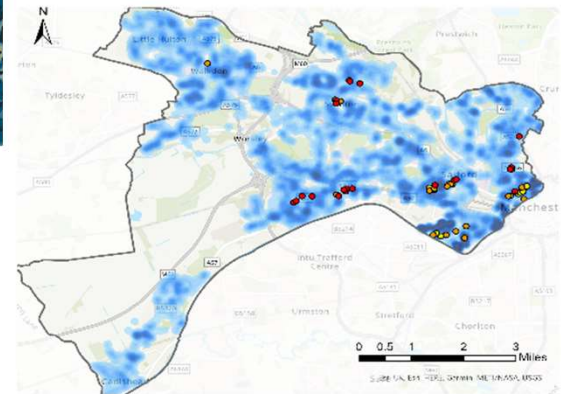


Priority Areas for demonstration and scale

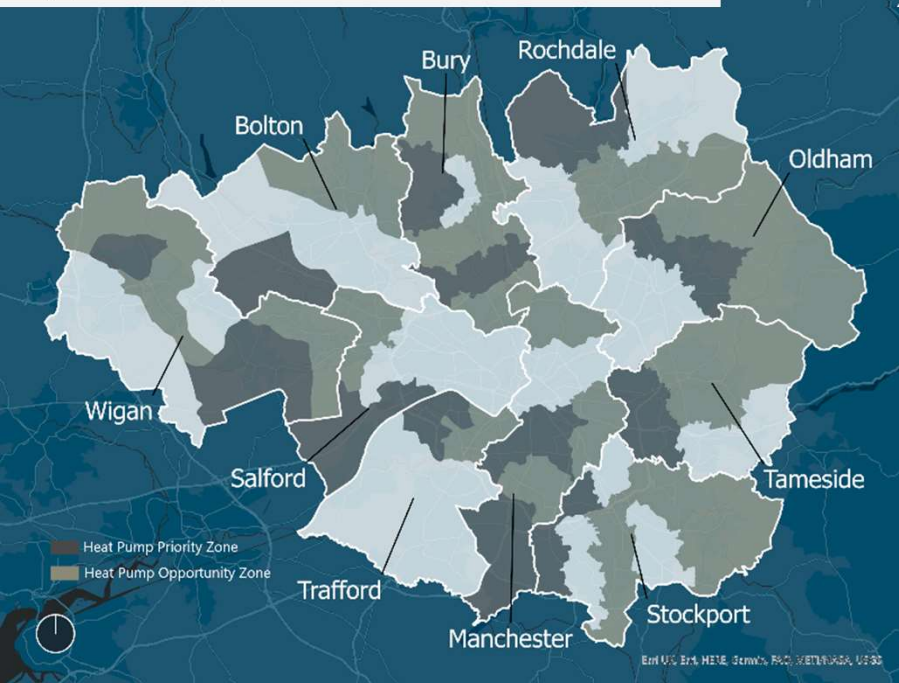


Potential Charging Hub Locations

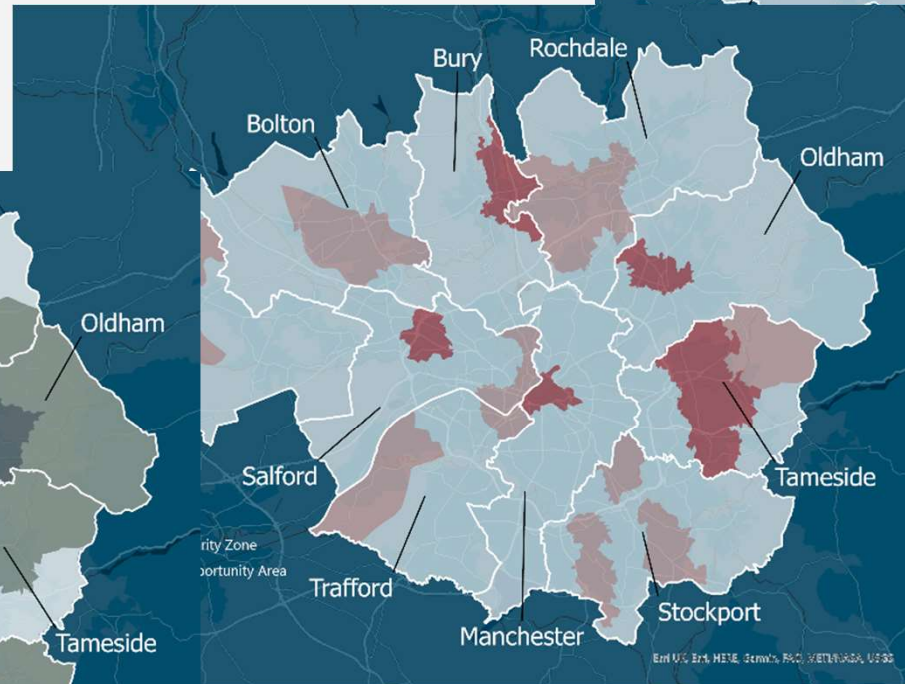
- Density of cars without off-street parking: High (dark blue), Low (light blue)
- Top 20 potential charging hub locations for further study (red circles)
- Car Parks (red circles)
- Public Land (yellow circles)
- Unoccupied Buildings (yellow circles)



Heat Pump Priority Zones and Opportunity Areas



District Heat Priority Areas and Opportunity Zones



Hydrogen for Heat Opportunity Areas

Context and background

Greater Manchester (GM) has set an ambitious target of achieving net zero by 2038. Previous analysis of the Greater Manchester Local Area Energy plans demonstrates:

£64 billion

Total investment needed **to achieve net zero**

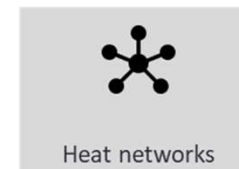
- ▶ This figure relates to the entire Greater Manchester region, but excludes vehicle transportation
- ▶ Source: Local Area Energy Plan

...of which £12.5 billion

is within the **influence or control of the GMCA**

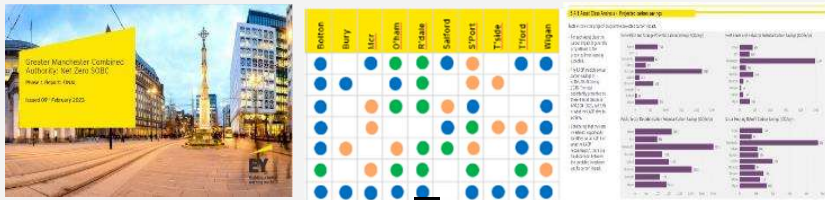
- ▶ £9.5 billion capex, £3 billion O&M
- ▶ Source: EY analysis of the Local Area Energy Plan

EY were commissioned to deliver a Strategic Outline Business Case (SOBC), setting out the strategic case for change to enable the transition to net zero by 2038 across energy systems in GM, delivered in three phases, across Five asset classes



Overview of the Strategic Outline Business Case

Analysis on LAEP work to-date



Delivery Model longlisting

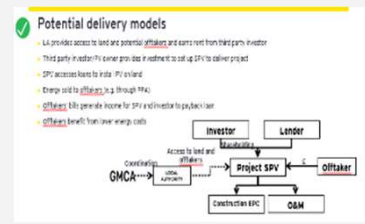
BMCA Investment Review: An approach that seeks for Greater Manchester delivery models

Delivery Model	Public	Private	Hybrid
Model 1	High	Low	Medium
Model 2	Low	High	Medium
Model 3	Medium	Medium	High

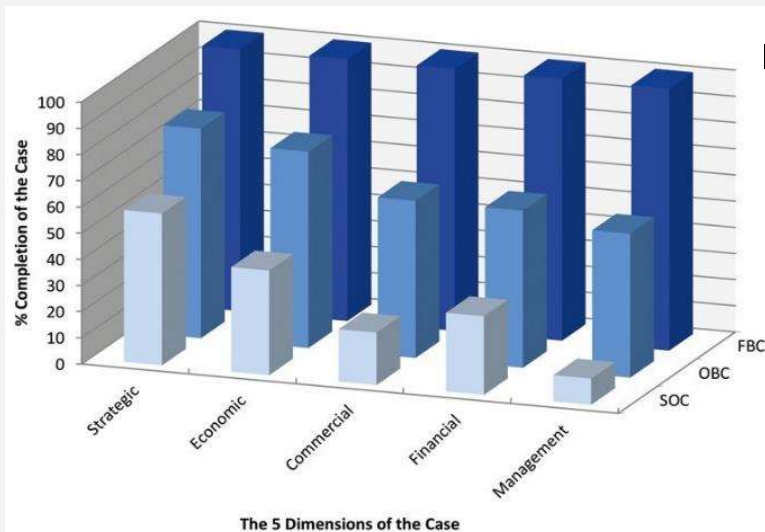
Critical Success Factors

Critical success factor	Do nothing	Low-impact option	JV	Public top-up	Low-cost JV access	Private sector with LG/MCA help
Ability to scale	Red	Yellow	Green	Green	Green	Green
Rapid deployment	Red	Yellow	Green	Green	Green	Green
Minimal/targeted public sector costs	Red	Yellow	Green	Green	Green	Green
Flexibility in public sector financial role	Red	Yellow	Green	Green	Green	Green
Ability to deal with ambiguity in project definition (scope, cost, revenues, profitability, risk etc)	Red	Yellow	Green	Green	Green	Green

Shortlisting



Strategic Outline Business Case development



Deployment



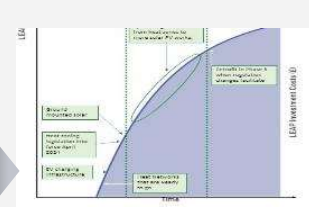
Benefit Analysis

Benefit	Description	Quantifiable
Customer Benefit	Avoidance of significant economic damage from not intervening on a timely basis. Cheaper consumer energy bills (revenue for lower capital costs, increased energy efficiency of homes and savings from lower running costs of electric vehicles). Significant benefits to the wider economy through improved productivity and energy efficiency of businesses.	Quantifiable
Consumer Benefit	Increased consumer choice and autonomy of intervention to the benefit of consumers in sectors such as residential and commercial.	Quantifiable
Consumer Benefit	Wider homes for residents. Adjusted life cycle benefit for the wider economy through better health and productivity. Reduced energy costs for businesses and households, and frequently the social and economic costs of road traffic congestion, by the need to drive.	Quantifiable

Financial Modelling

Asset Class	Technology	A Low IRR	B High IRR	C Mean IRR	D Standard Deviation
Commercial	Commercial	10%	15%	11.25%	10-15%
Industrial	Industrial	7.5%	10.5%	9.0%	7.5-10.5%
Public sector	Public sector	7.5%	10.5%	11.25%	7.5-10.5%
Social housing	Social housing	7.5%	10.5%	11.25%	7.5-10.5%

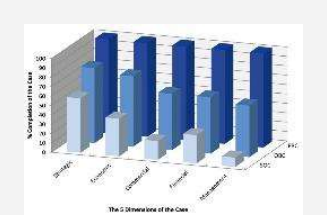
Implementation



Market Engagement

Stakeholder	Engagement Strategy	Key Messages
Government	High level strategic engagement	Policy alignment, funding opportunities
Public Sector	Targeted engagement	Service delivery, cost savings
Private Sector	Commercial engagement	Investment opportunities, market entry
Academy	Knowledge sharing	Best practice, innovation
Community	Local level engagement	Service quality, local jobs

Document development



The Challenge to net zero for GM

Achieving net zero is inherently difficult, it involves significant change to the ways in way energy is generated, distributed and consumed. The challenge is further exacerbated by the following barriers to delivery.



Finite resource

District budgets are already constrained, finding additional funds for net zero resources and delivery is limited. Efforts are underway in Districts to address the net zero challenge, but budget is a constraint. Finding capacity and capability to develop new commercial and delivery models is time consuming and is often competing with other equally important District and business-as-usual priorities.



Industry maturity

Industry maturity: Net zero is a nascent industry, both in terms of the market capacity, technology and skills required to deliver. Ensuring that the workforce and supply chain have the skills capacity to deliver net zero is critical to solving the problem. Innovation is not possible as the market is not yet mature enough to disrupt or reform. The market needs confidence that there is a significant enough opportunity to invest at a scale that would generate commercial returns and enable commitment to build a resilient, skilled supply chain as a result.



Asset class complexity

Each asset class has different commercial characteristics and capital requirements. To deliver the c.£12.5bn investment, a range of commercial models will be needed, some of which remain largely untested to date. There is no obvious "one size fits all" model that generates expected investor returns. The GM public sector partners have a role to play to ensure that net zero transition is fair and equitable for all residents in the city-region and to avoid cherry-picking from private investors who will also favour those projects that are commercially viable and generate a greater profit.



Public sector funding

Public sector funding: Current estimations indicate that the scale of public funding required could be as much as £5bn to £10bn of the c.£12.5bn under the public sector's influence/control. In the current funding landscape, there is insufficient public money available in GM alone to meet the investment required to deliver the LAEP.



Competition for funding

Competition for funding: Due to the nature of government funding, both the Districts and GMCA are often competing to access the same funding provisions. This in turn shapes project definition as a response to funding, rather than the requirement driving the funding ask. This may be somewhat mitigated by the "Single pot" approach that GM is moving to, however there remains a significant shortfall in the level of public sector funding available needed to deliver the LAEP plans and attract commercial investment at scale.



Risk appetite

Risk appetite: There are some successes in net zero, notably in the Nordics in heat networks for example, but limited experience in the UK at a national level. Furthermore, there have been some public failures for example Robin Hood Energy, run by Nottingham City Council. Risk appetite will play a considerable role in delivery models and investors will not be inclined to take risks without guarantees or pump priming from the public sector.

Overview and Insights

£65bn investment required to meet 2038.

The GM report sets out the near-term activity, along with the key longer-term decisions the region will need to consider. To achieve our 2038 target, the region will need to deliver the following over the next 5 years:

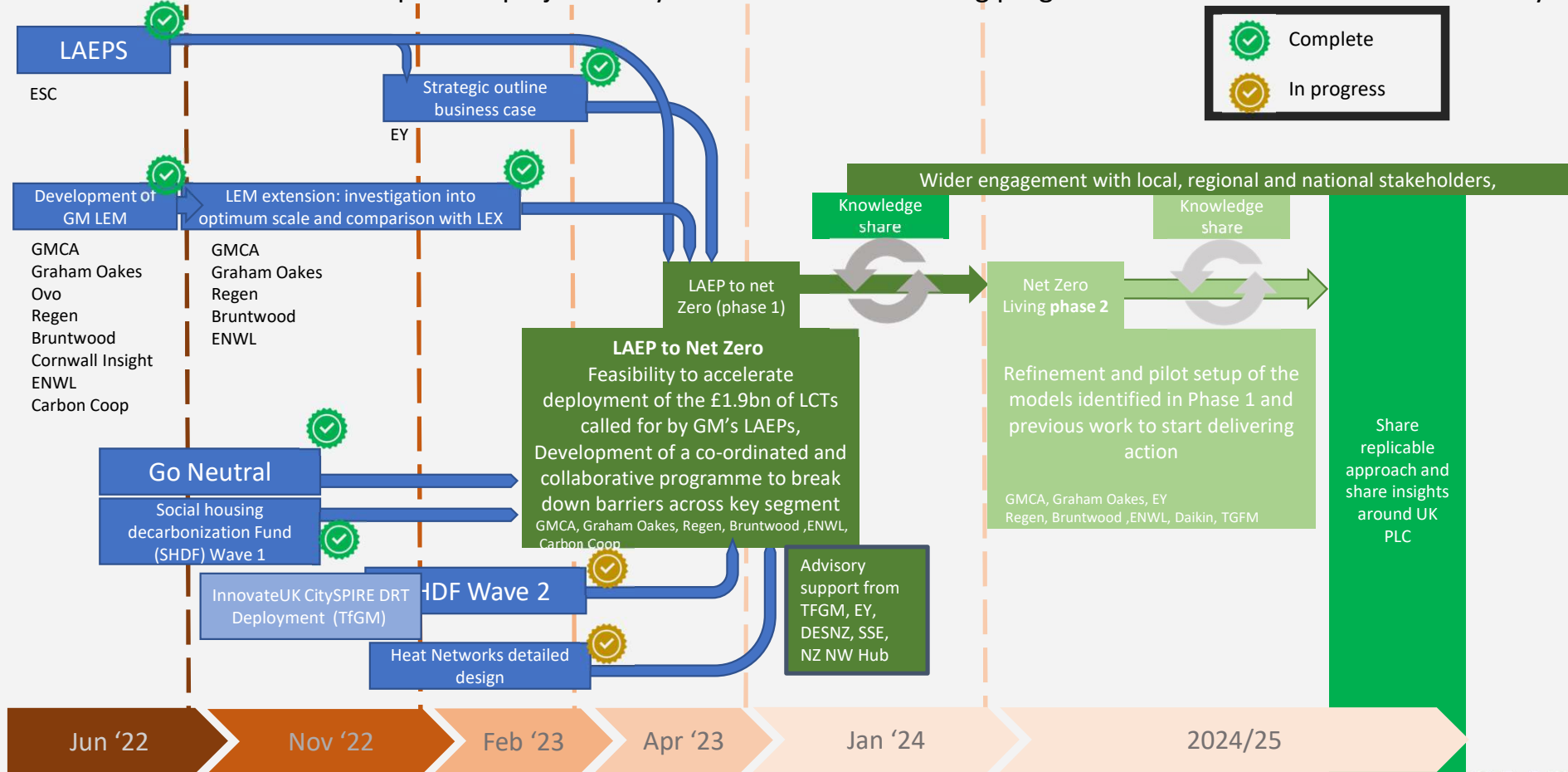
- **140,000 homes with fabric retrofit**
- **Nearly 2 GW of rooftop PV on homes**
- **190,000 EVs**
- **8,000 homes newly connected to heat networks**
- **116,000 heat pumps in homes**

These figures will need to rise dramatically over the coming fifteen years, with around up to a million heat pumps in homes (in the GM led scenario) and a circa 1 million EVs by 2038.

The plan includes the need to adapt the electricity network, considering options for flexibility and confirming the role of the gas network in the medium term.

Our Journey to Date and Next Steps

The LAEP to Net Zero phase 1 project ecosystem: builds from existing programs and will accelerate future delivery



Growth & Investment Plans

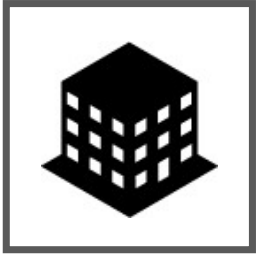
ECONOMY

2.87 million residents in 2021
 + **183,000** (7%) since 2011



1.3 million in employment in 2022
 + **129,000** (11%) since 2012

126,000 businesses in 2022
 + **33,000** (35%) since 2012



Over **116,000** enrolments at GM
 Higher Education institutions in
 2020/21

Gross Value Added

**GREATER
 MANCHESTER
 ECONOMY**
£78.7bn

BIGGER THAN

**WALES
 ECONOMY**
£69.5bn

**NORTH EAST
 ECONOMY**
£56.5bn

**NORTHERN
 IRELAND
 ECONOMY**
£45.7bn

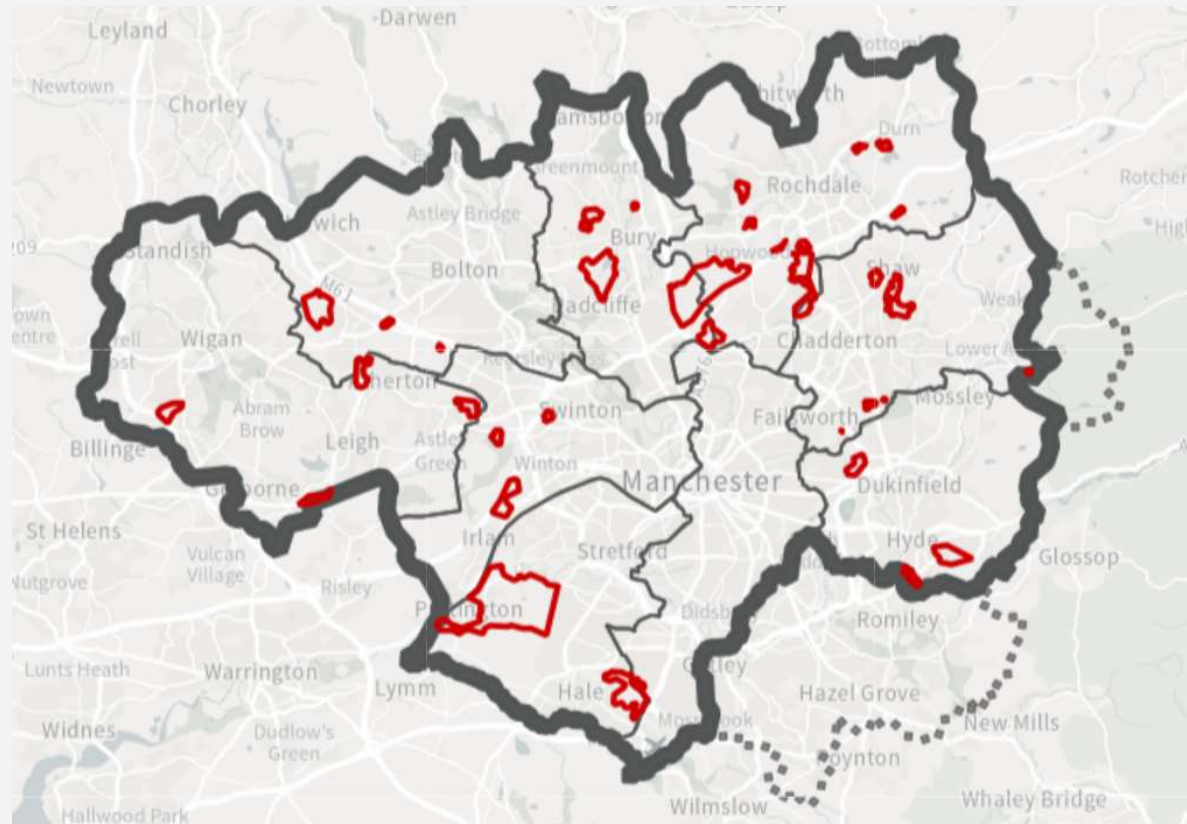
SLOVAKIA - £76.9bn
BULGARIA - £53.2bn
LITHUANIA - £43.1bn

Sources: Mid-year population estimates, ONS; Annual Population Survey, ONS; UK Business Counts, ONS; Higher Education Statistics Agency; Regional gross value added (balanced) by industry, 2021, ONS; Gross Value Added, Eurostat, 2021

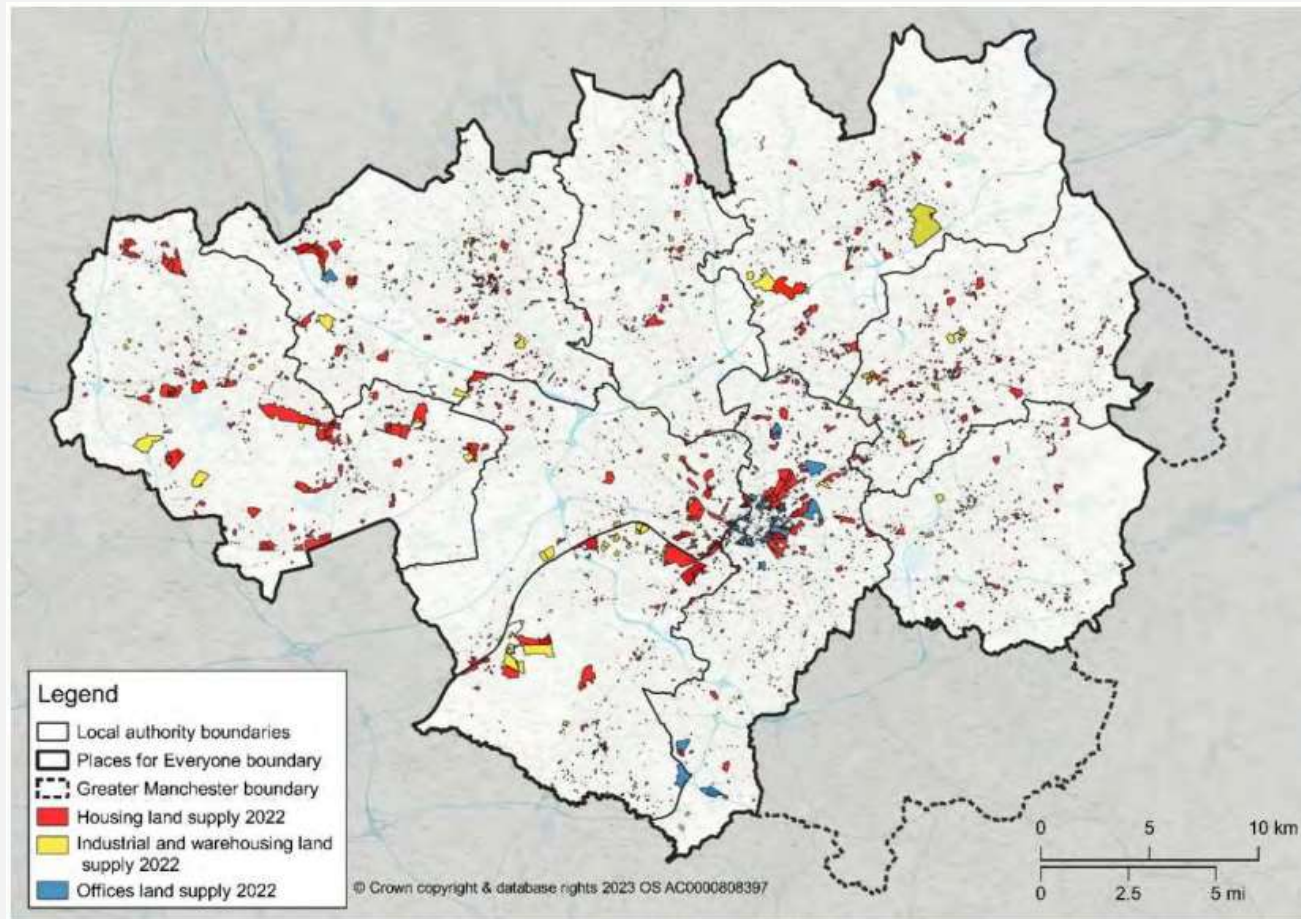
TIMELINE



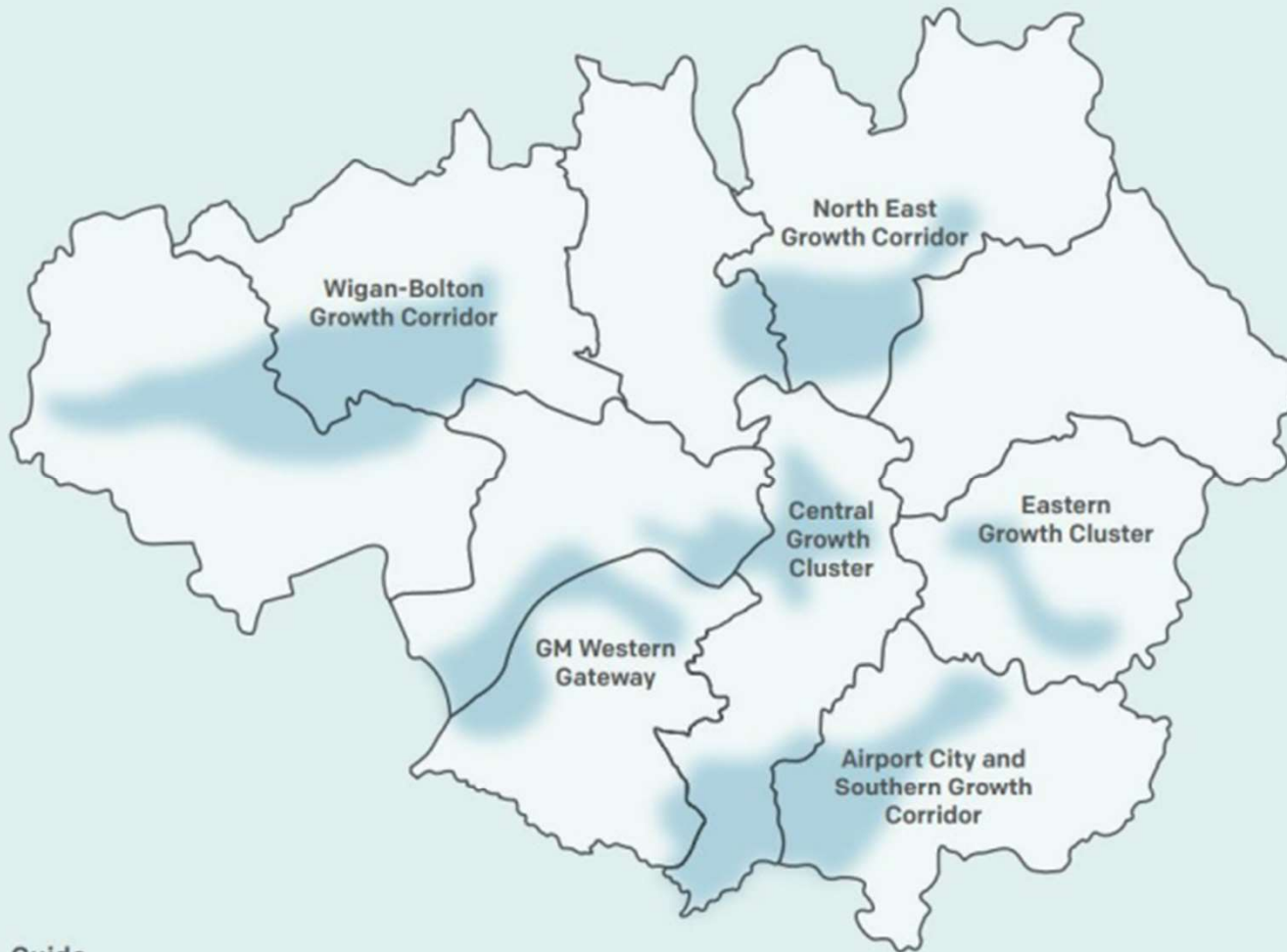
Places for Everyone Allocations 2023



PfE Land Supply



Greater Manchester's Growth Locations

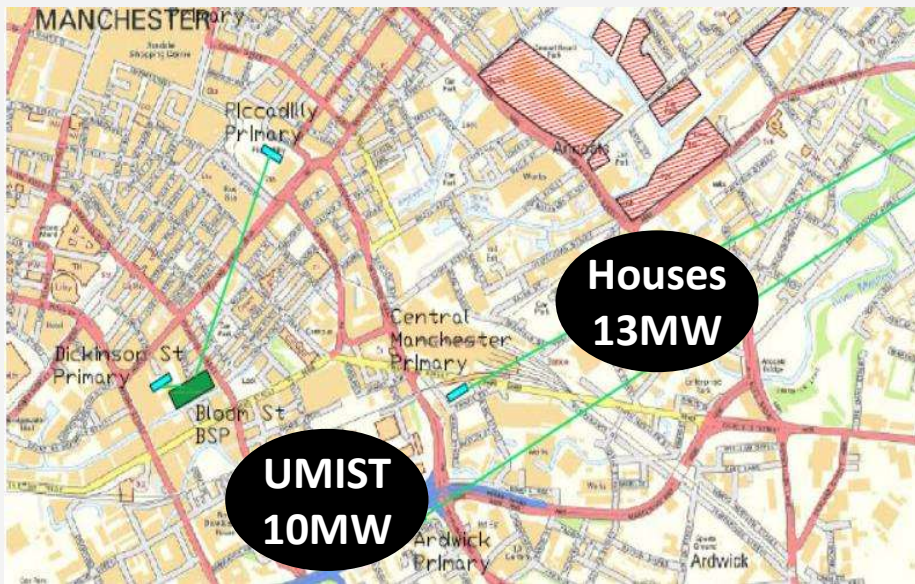


Guide

- Local Authority boundaries
- Growth Locations

Six Growth Locations informed by the proposed development (both existing land supply and new allocations) from Places for Everyone

Working with ENWL - Mayfield development example



Identification of four significant developments around Piccadilly in Manchester:

- Manchester North UMIST Campus Development
- Ancoats & New Islington Eastern Manchester regeneration (23,000 homes)
- Mayfield Regeneration

Secured funding, local and national backing provided the high certainty required to be included in ENWL's Distribution Futures Energy Scenarios:

- Local Authority driven as part of GMSF agreement for regeneration of Manchester (GM Strat 7 - North East Growth Corridor)
- Planned Univ. of Manchester re-development programme

Existing capacity shortfalls were already predicted in the area due to high levels of existing development.

Analysis of the impact on the DFES of including the Mayfield planned developments has identified the need for additional capacity with the asset solution being a new 23MVA primary

**GREATER
MANCHESTER**
DOING THINGS DIFFERENTLY

@GM GreenCity | #GMGreenCity

electricity
north west

Bringing energy to your door



Network development

How we incorporate local plans into our network planning

Christos Kaloudas

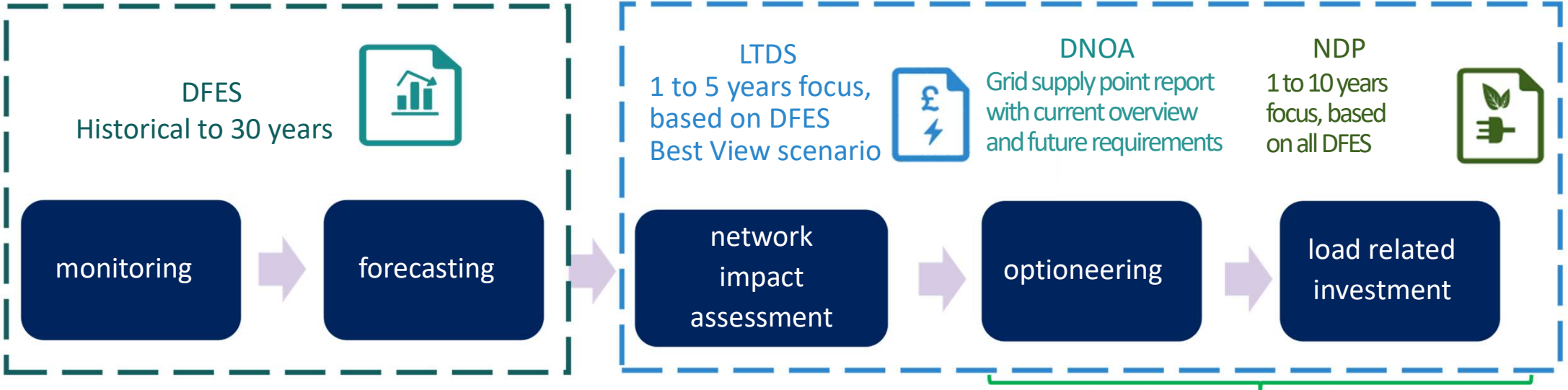
Capacity Strategy Lead (DSO)

Stay connected...



www.enwl.co.uk

Our load related investment process & associated publications



Commercial/market opportunities through our flexibility service tenders

Step 1: better understand our network

Step 2: establish network capacity needs

Step 3: promote flexible & innovative solutions

Step 4: develop our network in the right place & at the right time using the optimal solutions

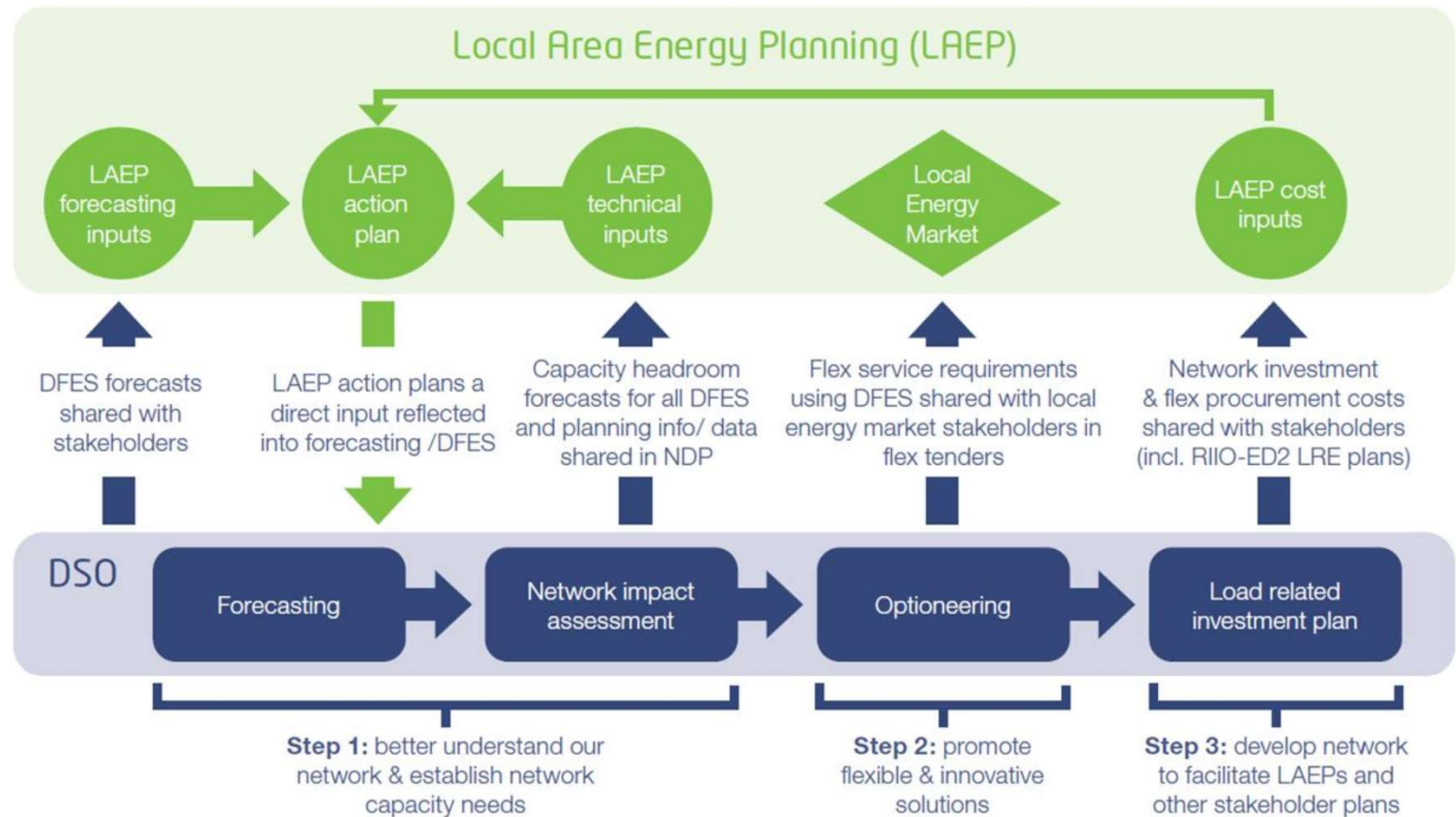
LAEP interactions with our Network Planning process



Local Area Energy Planning (LAEP) is a process to achieve Net Zero at minimum cost by maximizing the regional potential. It takes into account all aspects of the energy system (energy supply & demand, transport, heating, local industry, the environment).

The main objective of LAEP is to provide a clear action plan for efficient and economical decarbonisation in a local area.

INTERACTIONS OF LAEP WITH DFES AND DSO PLANNING

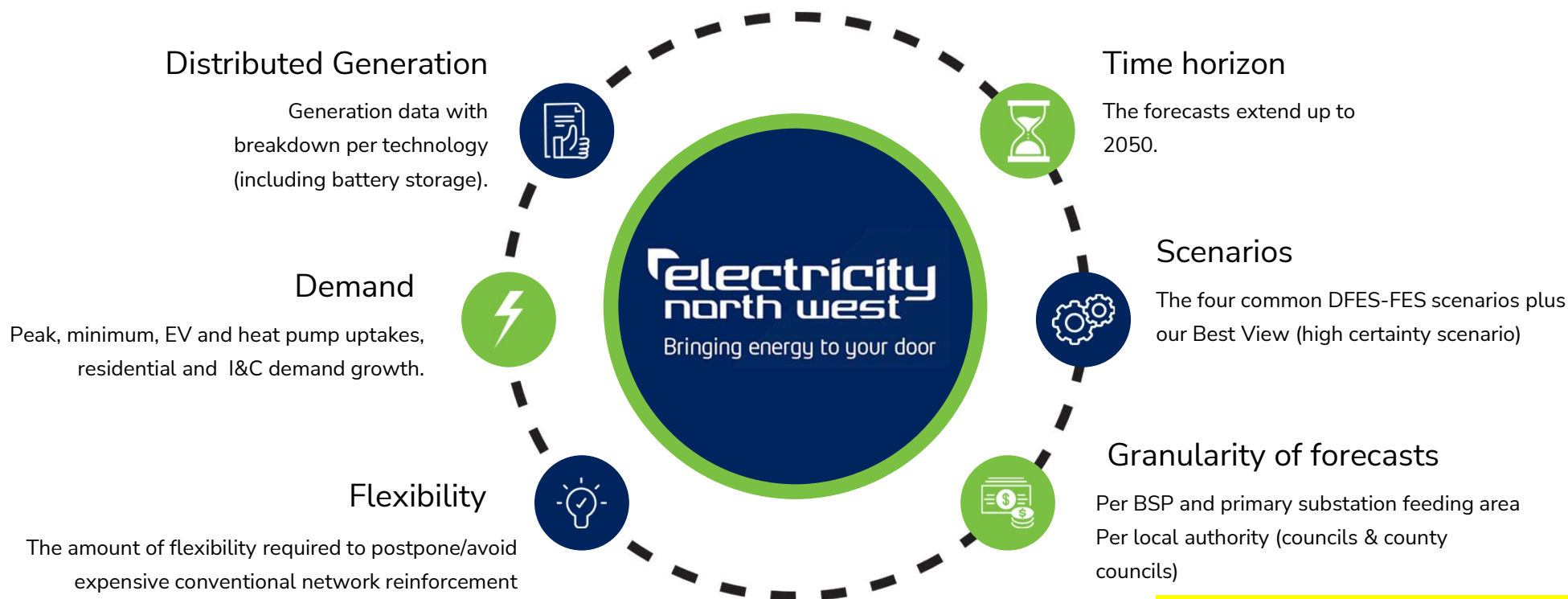




- **The GM LAEP process?**
 - ✓ Best industry practice with bespoke engineering engagement. Quarterly bilaterals with every council and meetings with GMCA every 6 months
- **Why is it important for LAs to share LAEP and other plans before applying for network connection?**
 - ✓ network capacity released within LAEP / local plan timeline
 - ✓ cost-efficient network investment, not piecemeal network expansion → lower energy bills to customers
- **What is different in RIIO-ED2? (our regulatory 2023-2028 period)**
 - ✓ lower connection charges (access SCR charges): higher connections activity expected
 - ✓ access to funding for all DNOs through uncertainty mechanisms → to facilitate well justified LAEPs and other mature local plans

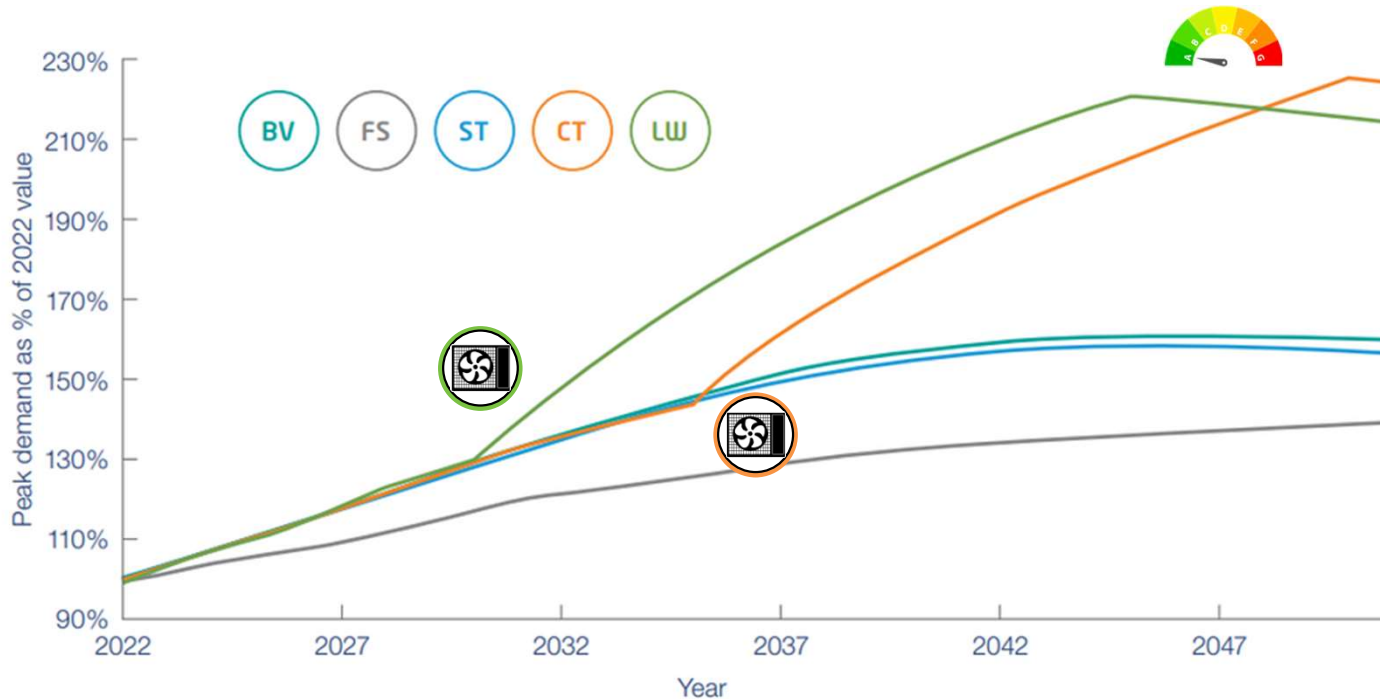
key takeaway: early engagement on LAEPs and other local plans can facilitate them in timely and cost-efficient manner

DFES workbook at a glance



GM data - granularity: at county council level, per council and more granular per primary substation feeding area

Peak demand forecasts



All DFES forecasting data accessible online at: www.enwl.co.uk/dfes

50% increase by 2038

In our **BV** scenario we envision a 50% increase in peak demand by 2038.

EV, HP and Connection

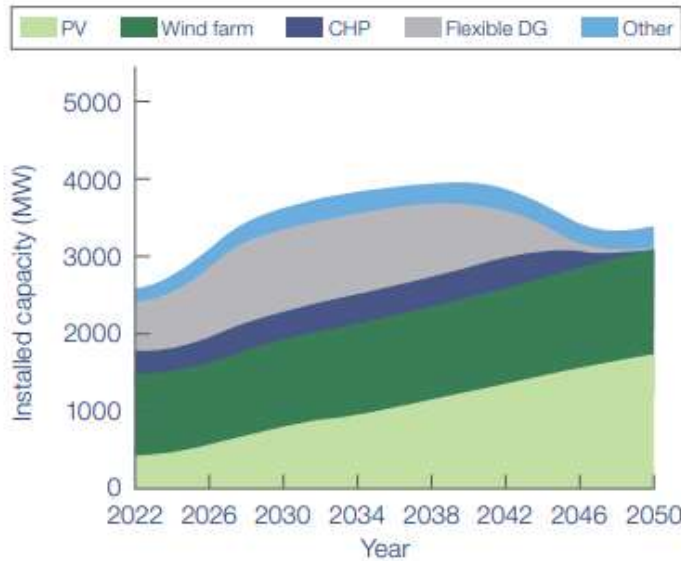
The top three factors affecting the long term peak demand growth in our area are EVs, heat pumps and demand connection activities.

The sharp increase in **LW** after 2030 and **CT** after 2036 is due to increased adoption of heat pumps in a world where hydrogen is not used for widely for domestic heating. The drop post 2045 is due to efficiency measures.

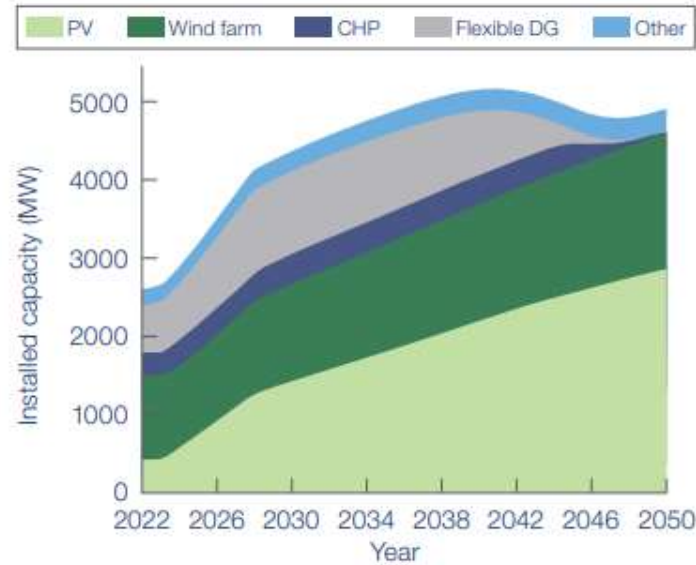
Distributed generation forecasts



Best View forecasts for distributed generation



Consumer Transformation forecasts for distributed generation



5-year horizon

In short-term DG uptake driven by the accepted connections pipeline.

Renewable generation

Non-domestic PV is expected to be the most dominant technology of distribution connected renewable generation.

To accelerate decarbonization before 2050 our local stakeholders need to act beyond our Consumer Transformation scenario.

All DFES forecasting data accessible online at: www.enwl.co.uk/dfes

Network planning

We currently use DFES to inform network planning across our Extra High Voltage (132 to 33kV) networks. We also produce forecasts to inform network planning at High Voltage (11 and 6.6kV) and Low Voltage (0.4kV) networks. Moving forward we will expand DFES to cover all voltage levels.

DFES with a planning purpose

Our load related investment is mainly driven by our Distribution Future Electricity Scenarios (DFES), which have a mainly planning purpose

HV and LV planning

Optimised planning by releasing only the required capacity where and when needed.

EHV planning

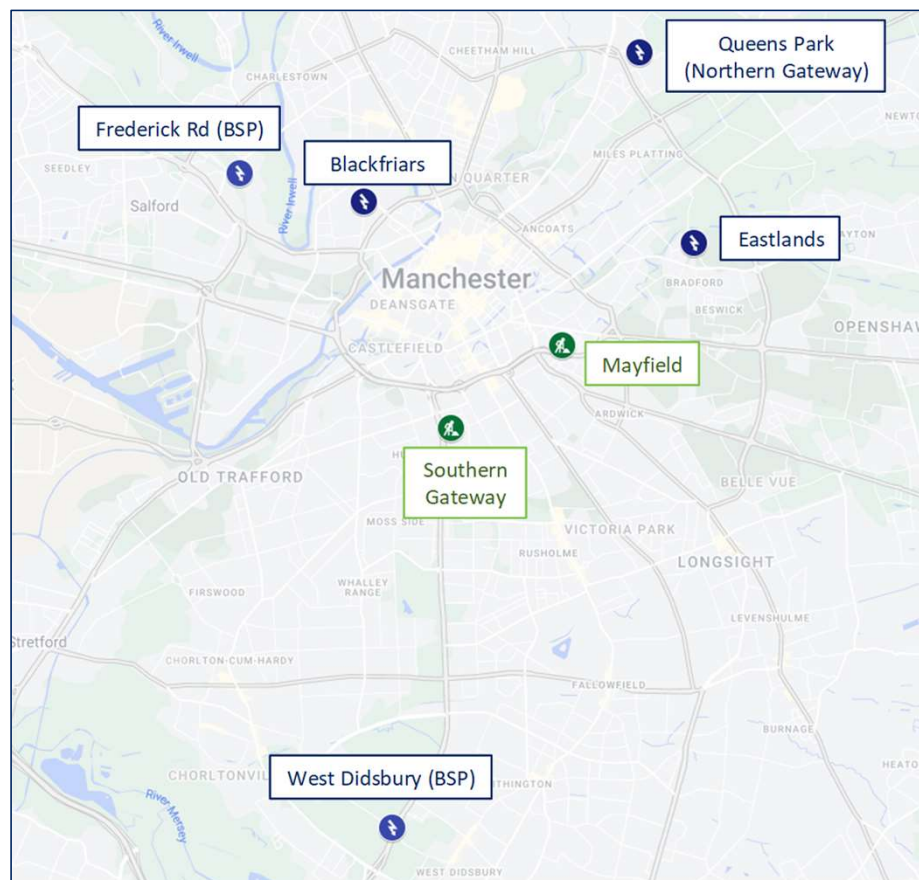
Focus on wider area planning to optimise investment by increasing efficiencies and avoiding piecemeal network expansion.

LV services

Unlooping of LV services to facilitate domestic EV charging and heat pumps to the end customers.



Manchester development plan – GM plan to follow



- New primary substations at Mayfield and Southern Gateway releasing HV capacity (11kV)
- Reinforcing existing primary substations at Eastlands, Queens Park and Blackfriars releasing HV capacity
- Reinforcing existing BSP substations at Frederick Road and West Didsbury releasing 33kV capacity

key takeaways:

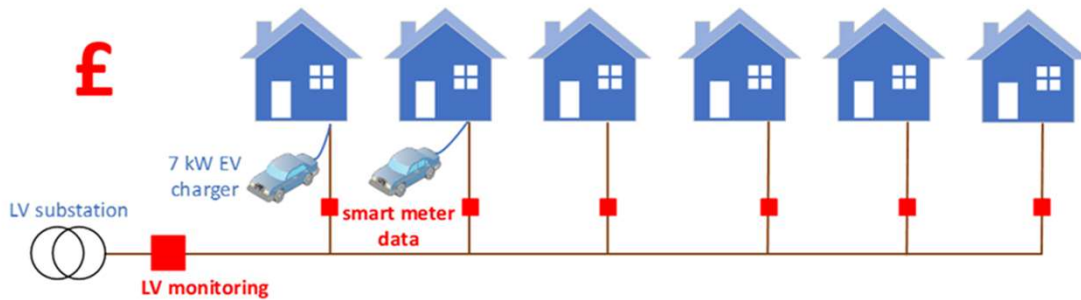
- early LAEP engagement → release network capacity where & when needed
- coordinated network development → reducing customer energy bills & avoiding expensive piecemeal network expansion
- GM development plan drafted and to be online available before the end of financial year

All NDP reports & data accessible online at: www.enwl.co.uk/ndp

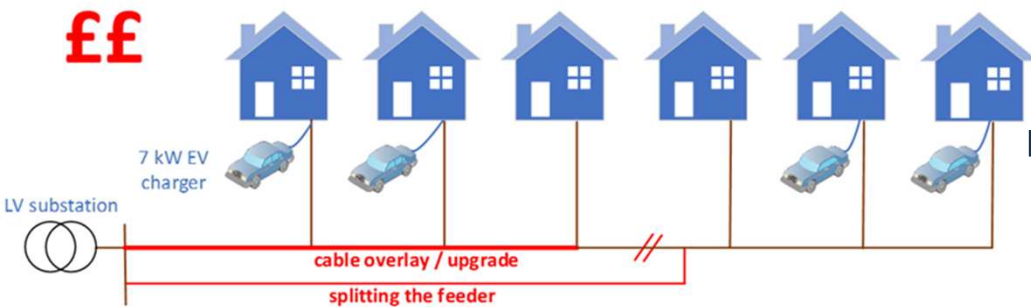
Network Planning at lower voltages



typical underground LV network



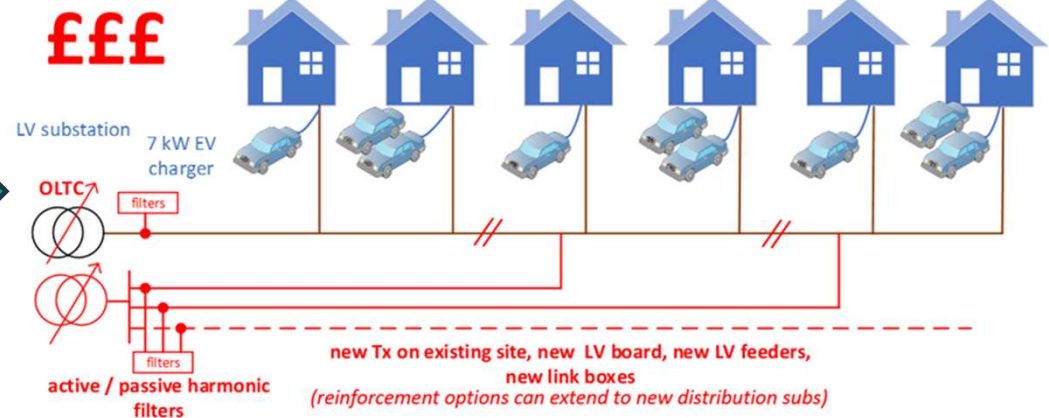
typical underground LV network



key takeaways:

- LV monitoring critical to optimise network planning, ie release capacity only where & when required (to cover 95% of customers at just under half secondary subs by 2028)
- planning optimisation: capacity released in cost efficient way to meet only the expected demand growth

typical underground LV network



Distribution Network Options Assessment Overview



We will soon publish our first annual DNOA document. This will then be refreshed each September throughout RIIIO- ED2



electricity
north west

Bringing energy to your door



Flexibility Services

Cara Blockley
Head of DSO

Stay connected...



www.enwl.co.uk

What are Flexibility Services?



When the demand for electricity is greater than the amount that we can provide, flexible services are procured to alleviate constraints on our network during peak times



These services are provided by companies or individual customers who own assets in our region that can generate more or use less electricity when required

This allows us to balance supply and demand, ensuring a safe and reliable supply of energy for our customers



Flexibility providers will receive payment from the network for providing this extra capacity



We procure our flexible services tenders via the PicloFlex Platform

Visit <https://picloflex.com/> to:

- View our current requirements
- Sign up to the free commercially pre-qualify
- Upload and pre-qualify your flexibility assets
- Submit a bid
- View past competition data
- A summary of our current tender is available via our dedicated [profile page](#)



Contact support@picloflex.com for all queries relating to the platform or to book a personalised demo with a member of the team. We offer 1-2-1 discussions to assist with any queries relating to the process of providing flexibility [Book here](#)

Our latest requirements!



Autumn 2023 tender

413



**MW OF
FLEXIBLE CAPACITY
REQUIRED**



29

LOCATIONS

ACROSS THE NORTH WEST



138
REQUIREMENTS

OVER THE NEXT

4



YEARS

UP TO

£7m

REVENUE AVAILABLE

Cumbria



17 Locations

245 MW

87 requirements

£2,954,212

Useful links



Piclo Flex

Flexible services website

Open Data Portal

Register for updates

1-2-1 Discussions



Head over to the [Piclo Flex platform](#) to view our latest requirements and take part in our tenders by registering onto our DPS and uploading your assets

All our current and previous requirements, webinar recordings, helpful guides and case studies can be found on ENWL's [flexibility portal](#)

Our flexible services requirements and reports are available on our [Open Data Portal](#) to view and download in a variety of formats including via API

[Sign up to our distribution list](#) to receive our newsletters, latest requirements and event invites

We offer 1-2-1 discussions to assist with any queries relating to the process of providing flexibility
[Book here](#)

electricity
north west

Bringing energy to your door



Panel discussion

Stay connected...



www.enwl.co.uk

Break



electricity
north west

Bringing energy to your door



Connections and the application Process

Steffan Jones

Head of Connection Quotations

Stay connected...



www.enwl.co.uk

Managing capacity and the grid



- There are constraints on the network and the volume and scale of applications is growing both for demand and generation
- However:
 - Only generation schemes with an installed capacity of 1MW or greater require National Grid consent.
 - Demand schemes currently don't require National Grid consent (at a scheme level)
- LCT at small scale is not impacted by current Transmission / Grid constraints
- It can, however, have an impact on the local network and we may need to undertake enabling or reinforcement works ahead of your scheme being completed



Structuring the team to meet the needs of our customers



Planning

- **PACE Team**

Pre-Application Support | Surgery Sessions | Initial Scheme Development

Contract

- **Quotations Team**

Network Study | Estimate & Quotation | Acceptance & Contract

Build

- **Delivery Team**

Design & Procurement | Installation | Commissioning & Energisation

Quick review of the connections process



- There are defined processes ENWL needs to follow
 - Unless you fall in to “connect & notify” processes, you will need to submit an application – either for a new connection to the network or to modify an existing one
 - This will result in a formal offer that will need to be accepted in order to progress
 - An offer is typically valid for 6 months, but this can change under certain situations
 - We will not undertake any works until have instructed us to proceed (accepted)
- Our processes are in place to ensure we treat everyone fairly
 - We cannot deviate from our processes or our licence obligations
 - We cannot enter in to “commercial negotiations”
 - We can ensure that your Connections journey is tailored to your scheme and support you in that journey
- Engage earlier, ahead of your application, to maximise the opportunities to get the most optimal solution

Importance of strategic relationships & early engagement



- ENWL will be developing relationships with key stakeholders across a number of teams
 - DSO, Customer, Community and Connections for example
- Key is early engagement so that we can ensure that your journey through to Connections is efficient, occurs at the right time for your project and sets up the Connections Process to delivery on your scheme needs
- Every scheme is unique, and we will look to provide a Customer Journey tailored to your needs. To do this we need to start that process while there is sufficient time to understand what that journey needs to look like
- **The earlier you engage the better** – we can then develop ideas and potential solutions ahead of formal applications. Tailoring the application(s) to best deliver the overall scheme
- Our Quotations Team is split into specialist teams that provide expertise across all sectors of Connections, covering for example; large scale generation, commercial demand, secondary or local network connections and LCT
- We are currently developing the LCT function within our PACE Team focused on the LA/HA stakeholder group

Roundtable discussion





- What do you consider to be the key areas where ENWL can support you in your transition to LCTs/net zero?
- Have you had any experiences with other DNOs or utility providers that you think are examples of exceptional service?

electricity
north west

Bringing energy to your door



Your feedback

Stay connected...



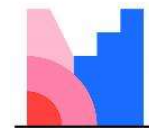
www.enwl.co.uk

Mentimeter polling – Feedback



We really value your feedback:

- Open web browser
- Head to www.menti.com
- Use the code **2254 7832** to access feedback polling



Mentimeter



Or use QR code