



Greater Manchester Green City Region Partnership

Date: **29th July 2021**

Subject: **Local Area Energy Plan - Bury**

Report of: **Sean Owen, Head of Low Carbon**

PURPOSE OF REPORT:

The purpose of this report is to outline the progress made in the production of Local Area Energy Plans for the Greater Manchester region and our individual 10 districts.

RECOMMENDATIONS:

Members are requested to:

1. Note the progress made in the production of Local Area Energy Plans
2. Provide comments on the initial Bury district plan (Annex A)

CONTACT OFFICERS:

Mark Atherton: mark.atherton@greatermanchester-ca.gov.uk

Sean Owen: sean.owen@greatermanchester-ca.gov.uk

BOLTON

BURY

MANCHESTER

OLDHAM

ROCHDALE

SALFORD

STOCKPORT

TAMESIDE

TRAFFORD

WIGAN

1. INTRODUCTION/BACKGROUND

- 1.1 As part of the Local Energy Market project, funded by Innovate UK, GMCA has let a contract to produce a Local Area Energy Plan for the Greater Manchester region and our individual 10 districts.
- 1.2 The objectives of this commission are to:
 - Produce a Greater Manchester wide Local Area Energy Plan, which utilises and builds on existing evidence and activity from network operators, Transport for Greater Manchester, the 10 districts and GMCA.
 - To inform and raise awareness across the region's many actors, consumers, and residents, of how the region/districts can transition to carbon neutrality using local area energy planning.
 - To identify energy opportunities to meet NPPF paragraph 151 'to b) consider identifying suitable areas for renewable and low carbon energy sources, and supporting infrastructure, where this would help secure their development.' Regard should also be given to the Planning Practice Guidance for Renewable and Low Carbon Energy (Paragraph 005) and the proposals should be of sufficient detail to enable a strategic allocation within the next iteration of the GM Spatial Framework.
- 1.3 The commission will:
 - Include a defined and agreed **red-line boundary and scope** relevant to the Greater Manchester boundary.
 - Produce a **Stakeholder Engagement Plan** with specific measures to cultivate the necessary support for the proposed GM LEAP throughout the Greater Manchester area including public sector, social landlords, businesses, NGOs, and other relevant local groups.
 - **Provide a high-level assessment and quantification of low carbon project interventions** available now and in the future provided at the city region, district and 6-digit post code level.
 - **Quantify the level of investment required and carbon savings achievable** by the identified interventions, the opportunities, high level risks and barriers to their delivery.

2. PROGRESS

- 2.1 Energy Systems Catapult were commissioned via an OJEU framework in October 20 and, to date, have drafted 3 Local Area Energy Plans for Bury, Manchester and Salford as part of Phase 1 delivery.
- 2.2 Bury is the most complete of the three districts, as this was the original forerunner district in a previous programme.
- 2.3 The Local Area Energy Plans each utilise the following 4 scenarios to ensure a consistent approach is taken across the region and all 10 districts

- **Scenario 1: GM Leads the Way**
Greater Manchester leading the way with immediate action. **Why?** The optimised scenario to drive local plans – focusing on GM meeting its carbon budget and target by making the use of proven measures within its local control where at all possible
- **Scenario 2: An Alternative Future**
Hydrogen into the grid. **Why?** HyNet Phase 3 (gas grid repurposing for hydrogen from 2030 onwards) is speculative and may arrive too late for Greater Manchester's carbon budget, so there is a question over whether the possibility of it should impact current decision making?
- **Scenario 3 & 4: Counterfactuals for context**
Electrification Only
Hydrogen only

2.4 Utilisation of the above scenarios inform the individual plan outcomes under:

- **Heating Zones:** Standalone electrification of heat, heat networks (low and high temperature) and/or hydrogen ingress
- **Retrofit Zones:** Greater understanding of the housing stock and wider building stock, reviewing retrofit by basic, deep and/or no change.
- **Energy Network Impact:** Identifies areas of requiring capacity upgrades at high and low voltage to ensure a whole system impact review is undertaken.
- **Local Energy Generation and Storage:** identification or areas where either renewable generation or storage should be considered to support our low carbon transition.
- **EV Charging:** High density areas of housing without off street parking identified and mapped to support future EV charging infrastructure planning.
- **Cost and Investment Need:** Identification of the potential energy network investment need, to support the above.

2.5 However, district plans will all not be the same. Each plan will be individual to the respective district, their building archetypes, demographic, and network needs e.g., demonstration and scale up priority areas including Heat Network and Hydrogen ingress, are very different when comparing Bury to Manchester.

2.5 In order to ensure we capture wide stakeholder input, an online retrofit consultation will also commence from August 3rd, with the output being to:

- Inform
- Consult
- Understand retrofit and future heating preferences

- 2.6 As the consultation will extrapolate post code related data directly from the Local Area Energy Plan, the consultation will provide real feedback and refinement to how we seek to deliver, target and win over hearts and minds in the future.

3. RECOMMENDATIONS

Members are requested to:

1. Note the progress made in the production of Local Area Energy Plans
2. Provide comments on the initial Bury district plan (Annex A)