

5 YEAR ENVIRONMENT PLAN

Retrofit Report



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Priority areas in the 5 Year Environment Plan







Our resilience and adaptation to climate change

The importance of buildings in meeting our environmental ambitions



GREATER MANCHESTER DOING THINGS DIFFERENTLY

The scale of the challenge in achieving those reductions

Key assumptions about now to 2040 in the SCATTER GM model



All cars on our roads are zero emissions (tailpipe) by 2035



Half of our homes have solar PV plus a further 5.5km² commercial/ground-mounted

Gas accounts for less than 35% of heating supply



Industrial emissions reduce by 50-75%



61,000 homes a year are retrofitted, reducing "thermal leakiness" by 57%

Commercial heating demand drops by over 20%



3m trees are planted by 2035



The wider opportunity and the need to take action





Reducing energy demand in homes



Challenges:	Where are we now:	What do we need to do (Recommendations)
1. Increasing levels of fuel poverty across GM	1. Current national ECO funding not delivering enough	1. Develop proposals for and push for changes to current the current ECO framework when it ends in 2022 to better align it with the city-region's ambitions.
2. Scale of upscaling retrofit extent and depth	 Pilots/small programmes in 100s; barriers of: High up-front costs and need for patient finance. Lack of supply chain capacity and capability. Lack of demand and straightforward customer journey. 	2. Further research to identify appropriate space heating demand targets for different property types to inform action
		3. Develop business models for investment – including proposals for equity loans and how price signals (e.g. council tax) might be used as a "nudge"
		4. Understand future skills needs and opportunities and develop packages of work to tackle these issues
		5. Develop delivery models to build up local markets – building on recent work in this area.

Reducing energy demand in commercial buildings





Reducing energy demand in public buildings



Challenges:	Where are we now:	What do we need to do:
1. Reducing energy demand in public buildings.	1. Lack of consistent reporting across public sector	1. Standardised measurement and annual reporting across the public sector
	2. Lack of coordinated action to work to agreed targets	2. GMCA and LAs work to agreed targets for the energy efficiency of their buildings, including their Display Energy Certificate ratings and developing a measure and targets for space heating demand, and encourage other public sector organisations to do likewise.

Low Carbon Buildings – Challenge Group and Potential Task and Finish Groups



Public