



ENERGY & RENEWABLES PORTFOLIO

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CA Energy & Renewable Portfolio Lead & Leader of Halton Council



LIVERPOOL
CITY REGION

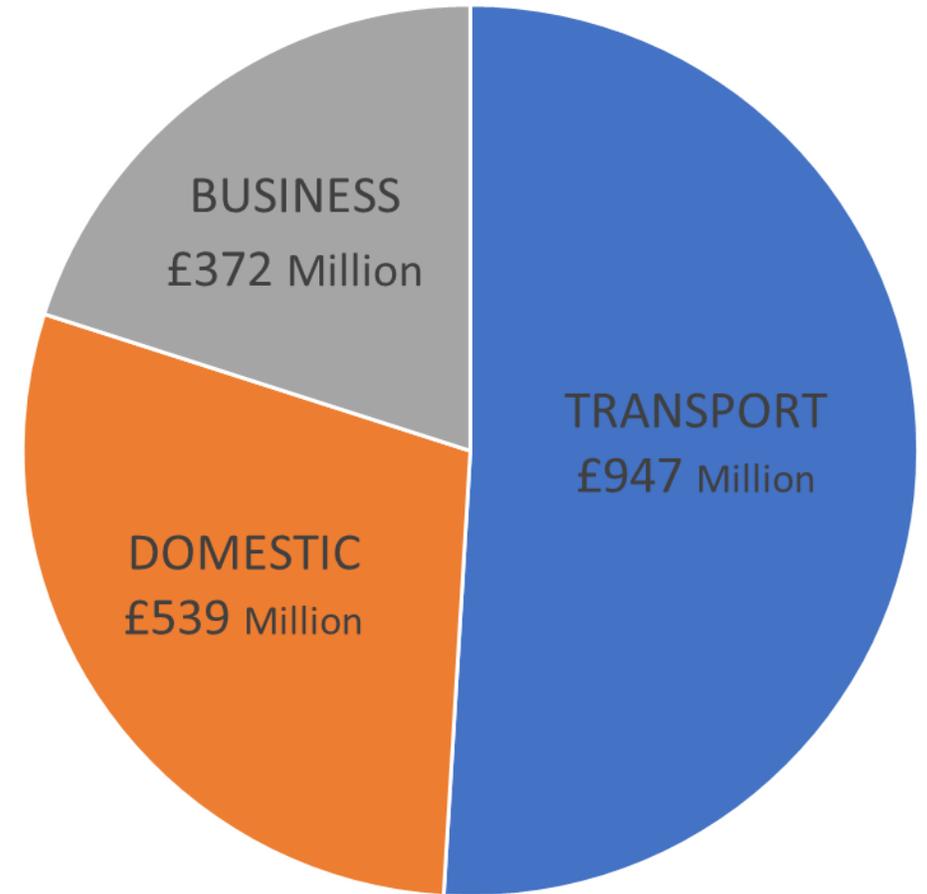
Energy & Renewables Portfolio

Energy is an agenda that cuts across business, housing, transport, infrastructure and the natural environment.

It is relevant to many of the Combined Authority's other portfolios.

Energy cost is a concern of businesses, households and the public estate

Government has just published a Clean Growth Strategy, which describes the next step in reducing carbon emissions for the UK by a legally binding target of 80% by 2050

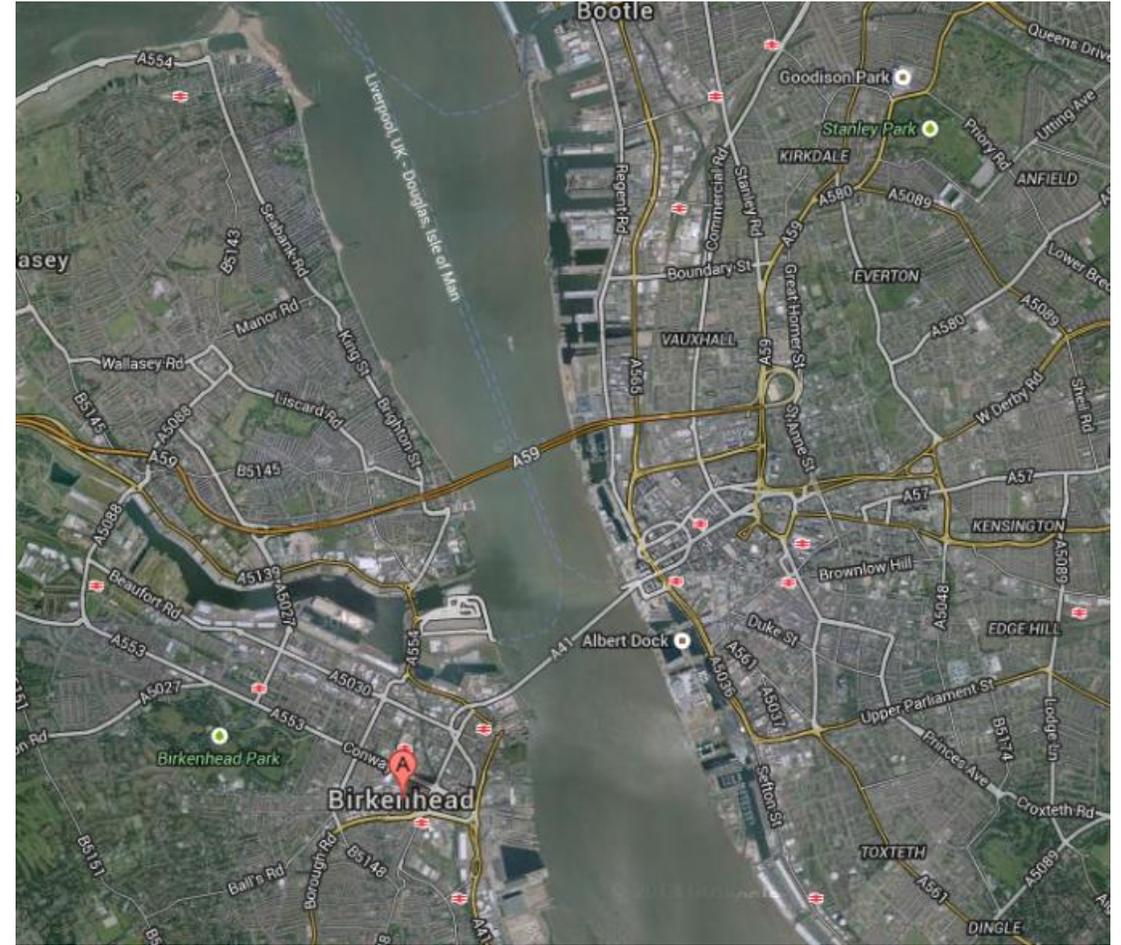


Estimated Annual Energy Expenditure LCR

The Clean Growth Strategy has these headlines:

- **Accelerating Clean Growth**
- **Improving Business and Industry Efficiency – 25% of UK Emissions**
- **Improving Our Homes – 13% of UK Emissions**
- **Accelerating the Shift to Low Carbon Transport – 24% of UK Emissions**
- **Delivering Clean, Smart, Flexible Power – 21% of UK Emissions**
- **Enhancing the Benefits and Value of Our Natural Resources – 15% of UK Emissions**
- **Leading in the Public Sector – 2% of UK Emissions**

Liverpool City Region can justifiably claim to be addressing all of these.



- **ACCELERATING CLEAN GROWTH:** Through its Devolution Agreement the City Region is speaking to Government about reevaluating the opportunity for Tidal Energy from the Mersey by better accounting for its wider merits [CITY REGION]



INDUSTRY: Knowsley Council is developing a business case that considers whether a district heat network would reduce costs to industry on Knowsley Business Park, and at the same time generate revenues for the council [KNOWSLEY COUNCIL]



- **HOMES:** Having invested £25M as part of the European funded REECH Programme before 2013, social landlords in a consortia, VIRIDIS, plan to invest a further £7M in improving the energy performance of their housing stock [SEFTON COUNCIL, PROJECT MANAGING ACROSS LCR]



- **TRANSPORT:** Merseytravel through their franchise have brought electric and hybrid Arriva buses departing from Liverpool terminals [LIVERPOOL, MERSEYTRAVEL]



- **POWER:** Halton Council has bid for funding to construct a solar farm on low value land and supply power to Widnes Stadium. This will satisfy half of the stadium's annual electricity requirements [HALTON]



- **NATURAL RESOURCES:** The city region has assets linked to wood fuels
 - A biomass import terminal serving DRAX power station [SEFTON]
 - The UK HQ of ENTRADE, an innovative start-up which generates heat and power from solid fuels [KNOWSLEY]
 - At Viking park the hub for Stobart Energy's logistics business [HALTON]
 - Leisure Centres heated from Biomass Boilers [KNOWSLEY, HALTON]



- **PUBLIC SECTOR** £1.9M of devolved funding for Skills has been directed towards improving the energy efficiency of city region further education colleges, including a project to generate energy on-site at Wirral College [WIRRAL]



- **PUBLIC SECTOR** St Helens Council BLISS programme leveraged European innovation funding to support the replacement of street lights with more efficient LEDs [ST HELENS COUNCIL]



- **CLEAN GROWTH:** The City Region is home to the jumping off point for servicing the fast growing number of offshore wind turbines in the Irish Sea, bringing high value jobs to the region [CITY REGION]

An Energy Strategy for Liverpool City Region
which will be brought before the Combined
Authority in Spring 2018.



This will be relevant not just to the Energy and Renewables Portfolio and will:

1. Highlight the city regions current strengths and future opportunities
2. Map out some potential routes to the Mayor's aspiration for the city region to be Zero Carbon by 2040
3. Recommend actions to be implemented in the short and medium term
4. Recommend ways to integrate with other CA portfolios

Thank You

