

## SUSTAINABLE ENERGY

12% of the homes in the Liverpool City Region are energy poor and can't afford to keep their homes warm and well-lit - that's 80,000 homes.

Our area has huge potential to generate clean, green energy and emissions of CO2 have been falling steadily since 2005. We have a Mayoral ambition to become a Zero Carbon City Region by 2040 and this will require a significant shift in our approach to energy.

Liverpool Bay is home to the largest offshore windfarm in the UK, Burbo Bank (and Extension) generating 348 MW of renewable energy from 57 turbines, enough power for 310,000 homes. Our world-class port assets support the energy sector and Wirral has gained the 'Centre for Offshore Renewable Engineering' designation, the only such designation on the west coast of England.

### What we are doing about it

- The Local Enterprise Partnership is preparing and implementing a new Energy Strategy, investigating the feasibility and potential for hydrogen power and tidal energy projects in the city region
- Delivering affordable warmth and home retrofit projects to bring people out of fuel poverty including better insulation of inefficient homes and social housing, installing smart meters, promoting collective energy switching
- Installing more low carbon and renewable energy projects on public buildings and improving energy management
- Implementing a green infrastructure prospectus which includes a pipeline of energy projects that could save 338,000 tonnes of CO2 over 25 years from solar projects and energy crops
- The local authorities are replacing old sodium bulbs on main road street lighting with LED units, substantially reducing energy consumption and carbon emissions

### What you can do about it

- Change to a 'green' energy supplier
- Change to low energy LED lightbulbs in your home and talk with your neighbours about how you are saving energy
- Follow some simple tips to cut out unnecessary energy use. Pledge "I will turn off lights in rooms I am not using and I will turn off chargers overnight"
- I will check my tyre pressure regularly. Having the correct tyre pressure is not only safer but uses less fuel
- Check Year of the Environment activities / events calendar to get more involved