

Lincolnshire County Council ADEPT Climate Change Presentation

20th January 2020

Energy and climate change

Mitigating and adapting to climate change are vital challenges of the 21st century

At the core of these challenges is the question of energy — more precisely, our overall energy consumption, and our dependence on fossil fuels

To succeed in limiting global warming, the world urgently needs to use energy efficiently, whilst also embracing clean energy sources to make things move, heat up, and cool down



Introduction

There are specific challenges in the local area due to Lincolnshire being:

- A dispersed economy
- A large rural area
- Left with issues around existing flexibility of energy infrastructure
- An area with high costs and delays in the implementation of energy, constraining growth

The majority of energy consumption in Greater Lincolnshire is from:

- Industrial and commercial activities
- Agriculture & Water

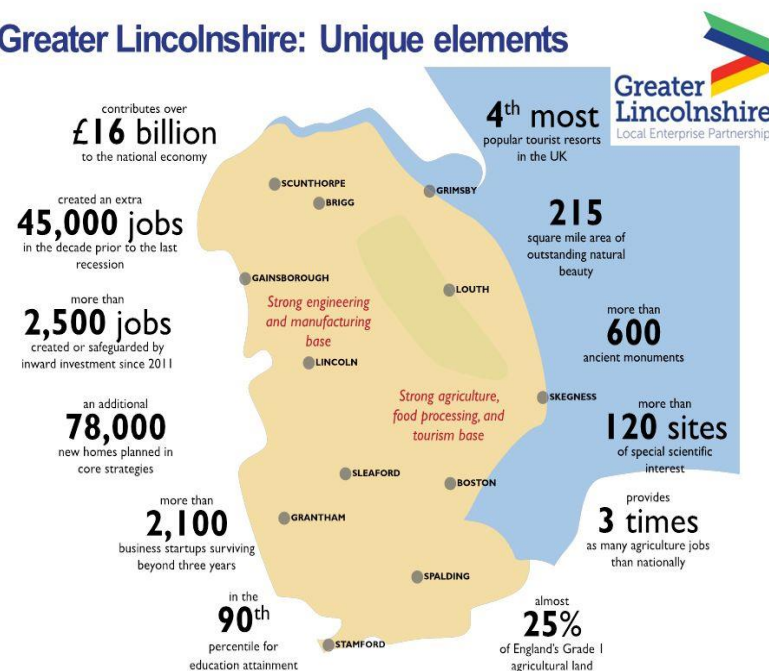


Where we have issues

Issues around energy we face at the moment, include:

- Energy capacity constraints
- Current regulated systems
- Need for policy and regulation changes
- Importance of the rural economy and Place based disruption
- Local Industry
- Transport logistics
- Greenhouse gasses/Electric/Hydrogen challenge
- Funding

Greater Lincolnshire: Unique elements



What are we trying to do? (1)

- Cross-cutting nature of energy and future energy requirements in our Local Industrial Strategy
- Develop the area as a energy test bed
- Local energy options, clean growth and circular economy methodologies/ innovation
- Mapping of local energy solutions
- Supporting the next Whole Systems planning



What are we trying to do? (2)

- Robust evidence base to determine long term energy demand
- Maintain and enhance our natural capital assets, creating a focus around rural area solutions
- Support local energy solutions
- Build on local green capabilities to develop energy innovation
- Work with neighboring LEP's on solutions, to deliver energy in the future



How does this support Climate Change?

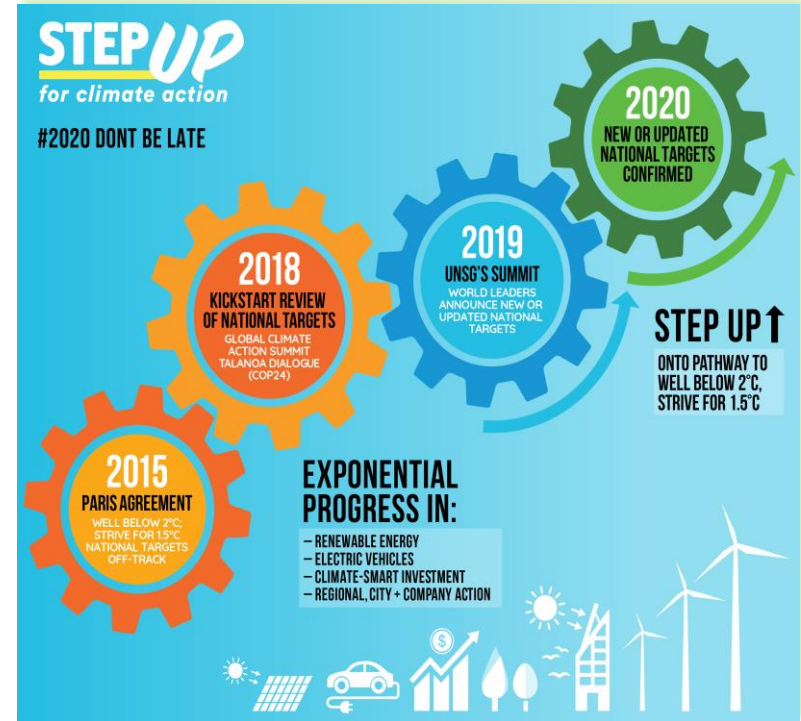
Lincolnshire County Council/Greater Lincolnshire LEP's ambition is to reduce carbon emissions to net zero by 2050, by:

- Supporting more in-county renewable energy generation, and local smart grid technology
- Supporting better local energy balancing, and peak demand management
- Decarbonising heat and waste, and finding innovative uses to deploying it
- Providing Business support on circular economy and clean growth, particularly around micro and small SME's



What has, and is this leading to?

- Greater Lincolnshire LEP Utility Study, Energy Strategy now complete
- Enabling Frameworks/Demand Curve methodologies now complete
- Place based energy strategy
- Wider national asset development
- Waste and Water management programmes, as key drivers for net zero targets
- Transport/logistics – EV/Hydrogen
- Greater Lincolnshire LEP Board Energy Lead and Energy Council
- Energy ambition within Local Industrial Strategy Grand Challenges



LCC's Wider Climate Change Ambitions

- Delivery of Carbon Management Plan 3
- LCC Environmental Policy
- Green Master Plan
- Procurement
- Community leadership
- Projects



Further Information

The following links show the genesis of our 'journey' for energy in Greater Lincolnshire from 2016 onwards:

- **Better Utilities Study 2017 -**
https://www.greaterlincolnshirelep.co.uk/assets/documents/LEP_Uilities_Executive_Summary_Update.pdf
- **An Energy Strategy for Greater Lincolnshire 2019-**
https://www.greaterlincolnshirelep.co.uk/assets/documents/GLLEP_Energy_Strategy_Document_-_July_2019.pdf
- **LEP Blog Articles -** <https://www.greaterlincolnshirelep.co.uk/whats-new/how-can-greater-lincolnshire-contribute-to-the-energy-revolution/> & <https://www.greaterlincolnshirelep.co.uk/whats-new/how-will-the-energy-revolution-affect-us-all/>

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