

## Strategy for a Yorkshire and Humber low carbon industrial region

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The regional TUC, recognizing that energy-intensive and carbon-intensive industries play a big role in our region in terms of jobs, skills and the local economy, has set up a task force to bring together unions and other partners to develop a strategy for a Yorkshire and the Humber low carbon industrial region.

In October 2017, with the Carbon Capture & Storage Association (CCSA), we held a stakeholder workshop in Leeds and, following this, a brief has been submitted to the regional grouping of LEPs for the creation of a low carbon roadmap for the region. The aim is to bring together partners who can drive investment forward, and to involve workers through training for workplace green reps, supporting collective bargaining around the low-carbon agenda.

With the UK Government still considering how to implement a new *Industrial Strategy*, whilst *devolving to regions and places* the power to have a bigger say in decision-making, this is an ideal opportunity for an initiative in the Yorkshire & the Humber region to drive a regional growth and decarbonisation agenda. This will maximise regional benefits, and could help deliver a cost-effective solution to a sustainable Industrial Strategy for the region.

**The Yorkshire & Humber region** is currently the biggest user of energy out of all UK regions, due to its concentration of energy-intensive industries and power stations. These industries employ tens of thousands of skilled workers and make a significant contribution to the UK's economy. However, in an increasingly carbon-constrained world, these industries and power stations are facing pressure to reduce their carbon emissions:

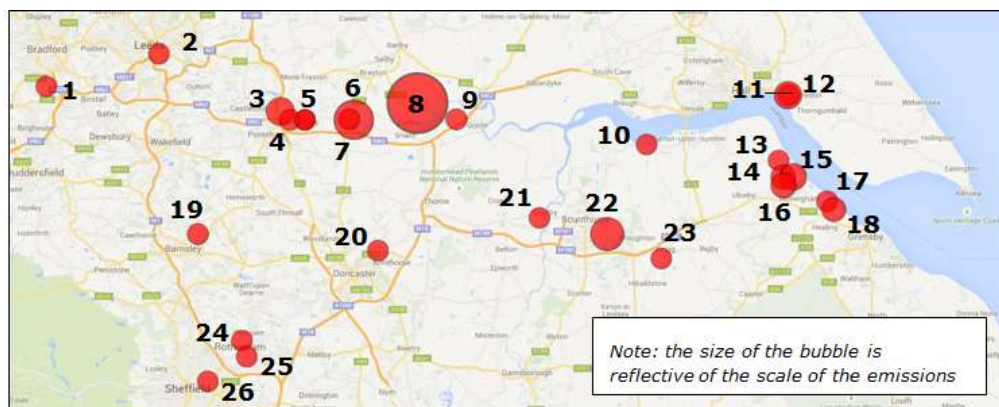
- Making a tonne of steel involves around 2 tons of carbon emissions, both from furnaces and energy use.
- For cement, roughly half a ton of carbon emissions results from making a single ton of product.

The region clearly has a key role in meeting the UK's 2050 national and international climate change targets.

**There are many options for reducing emissions**, including new technologies like CCS, the switch from gas to hydrogen to provide low-carbon heating, energy and resource efficiency measures, new skills for the future and much more. Yorkshire and the Humber is one of four main regions in the UK that are well-suited to the early development of CCS clusters - our stakeholder workshop learnt from 2 of the others: Teesside and the North West. The *Mini Stern Review for the Leeds City Region* reported on a range of cost-effective carbon savings across industry, and the Leeds Climate Commission is considering ways forward for the city.

Across our region, industry, trade unions, local authorities, the LEPS, community groups and universities all have a role to play in tackling this huge challenge, in line with the aims of the Paris Climate Agreement to achieve a dialogue in every country to reduce carbon emissions to keep global warming to no more than 1.5C.

### Yorkshire region's major industrial energy users and carbon emitters



Key:

1. BASF Chemicals
2. Allied Glass
3. Ferrybridge power station
4. Glass
5. Stoeleze Glass
6. Eggborough power station
7. Glass
8. Drax power station
9. Glass
10. Cemex
11. BP Chemicals
12. Gas power Saltend
13. Gas power
14. Total refinery
15. Immingham CHP
16. Phillips
17. Chemicals
18. Centrica gas
19. Glass
20. Ardagh Glass
21. SSE gas
22. Tata steel
23. Glanford gas
24. Beatson Glass
25. Tata steel
26. Outokumpu steel