



ade

GETTING DOWN TO BUSINESS...



The Association for Decentralised Energy (ADE) represents more than 160 organisations from across the energy system and advocates on the priorities for the UK in achieving net zero and boosting energy security.



Chief Executive Statement

Energy and its importance for households and businesses has profoundly changed over the last five years. For a just transition to a more secure and prosperous future, the UK must champion the critical role of decentralised energy. We're moving in the right direction, but the true economic and social benefits of a smart, local and low-carbon energy system have not yet been prioritised.

Last winter, 2.5 million homes contributed as much as several large power plants to keeping our grid stable, through being flexible with their demand.

Businesses are decarbonising their heating through patient investment already totalling over £2bn in new infrastructure. In doing so, they are creating low-cost heat storage equivalent to 18GW in battery storage.

UK industry is improving the efficiency of their processes and laying the groundwork for carbon capture and electrification.

The question for the next Government is: do they want to take the reins and lead this transition, or get in the way.

As the countdown to polling day continues, one thing we know for certain is that whichever party comes into power will face crucial decisions that will determine the future of the decentralised energy sector. By prioritising a smart, low-carbon energy system within these decisions, the UK will secure billions in savings for the energy system and consumers, as well as protecting and creating several hundred thousand jobs.

Our sector stands ready to work with the new Government to ensure that these decisions work towards, and not against, our obligations to address the climate crisis, all whilst creating the economic prosperity across the UK.

Caroline Bragg
Chief Executive Officer



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Protecting our homes and businesses from another energy crisis.

Our households and businesses are still dealing with the impacts of the energy crisis. We would be foolish to forget so quickly that our over-reliance on gas made the crisis worse for British households and businesses. Now is the time to take bold action towards true energy security.

ASKS:

- Reform the electricity market to ensure homes, businesses and industry are rewarded for their participation and low cost electricity is passed through to consumers.
- Require all mortgage lenders to upgrade their building stock to an average of EPC Band C.
- Encourage the widespread electrification of heat by changing the way costs of gas and power are calculated in bills. Legislate for the phase-out of gas boilers by 2035.

RESULTS:

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| ✓ Reduce energy bills by up to £900 a year with energy efficiency. | ✓ Create 200,000 jobs retrofitting homes with energy efficiency measures. |
| ✓ Reduce peak energy demand by 65% by 2030 with demand side response. | ✓ Secure a 45% increase in carbon savings by advancing flexibility. |
| ✓ Cut £14.1bn off yearly energy system costs by 2040 through prioritising flexibility. | ✓ Create 24,000 jobs through promoting a flexible energy system. |

Investing in infrastructure, smartly.



The UK has a poor track record on investing in infrastructure. Our projects are amongst the slowest and most expensive of our peers. Energy is no different. We have the opportunity at this crucial point to do better – attracting billions in new infrastructure and doing so in a way that squeezes every drop from the domestic energy we produce.

ASKS:

- Deliver an investable environment so that the UK can deliver at least 20% of UK heat from heat networks by 2040 from untapped sources of heat.
- Support the faster rollout of much-needed electricity and hydrogen infrastructure.
- Scale up targets for flexibility so we can use as much UK-produced green electricity as possible.
- Set a clear, ambitious strategy for the decarbonisation of industrial sites outside of the clusters.
- Create a Future System Operator that is transparent, wide-ranging in scope and possesses deep expertise.

RESULTS:



Protect 770,000 jobs by defining a clear pathway to decarbonising industrial sectors.



Avoid spending £3.5bn on four new gas-fired power plants by making the energy system more flexible.



Save up to £1.57bn a year in electricity system costs through heat networks.



Save up to £1.5bn a year by 2050 through using more waste heat in our heat networks.

Pablo John

Head of External Affairs

pablo.john@theade.co.uk

