

DE-CARBONISE

Reduce costs and cut carbon

Liz Pasteur

Derby City & Derbyshire County Councils



European Union
European Regional
Development Fund



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Derby City Council



DERBYSHIRE
County Council

DE-Carbonise – three parts

Collaboration between Derby City and Derbyshire County Councils and the University of Derby:

- Business audits and grant funding to support carbon reduction
- Technical support for product and process improvements
- Developing supply chain networks to drive carbon savings

Follows on from D2EE energy efficiency project (2016-2019).
ERDF part-funded under PA4 low carbon.
November 2019 until October 2022.



Project targets

Project targets for Councils:

- 12 hour business support (visit, audit, report): 69
- Number of grants: 115
- Grant total: £920,000
- Total carbon saving: 969 tonnes CO₂e

Delivered by FT Team Leader and 2.5 project officers plus 0.5 Transport officer from City and County Councils



DE-Carbonise project - Councils

Councils work with Derby and Derbyshire businesses.

- DE-Carbonise team member site visit to carry out audit (or virtual audit if site visit not possible)
- Provide carbon reduction report with recommendations
- Can provide additional consultancy

- Grants of between £1,000 and £20,000
- Grant pays up to 40% of cost of works



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400W

135W



250W

50W



70W

28W

Lighting and sensors

Lighting and sensors



Grant: £1,565 for LED lighting and sensors
Savings: £1,867 and 3.2 tonnes carbon per year



New boilers +
Zoned heating +
Controllers

Heating and insulation

Grant: £5,796 for heating and roller door
Savings: £682 and 4 tonnes carbon per year



Compressed air and heat recovery

Compressor



Office area



Waste heat

Grant of £20,000 for compressor and heat recovery;
Saving up to £43,000 and 112 tonnes carbon per year

Windows and insulation

Grant of £12,290 for double & secondary glazing, LED lighting, insulation and heating.

Saving £2,700 and 6.7 tonnes carbon per year

Received a **Brighter City of Derby** restoration *highly commended award 2020*

“Thanks again for your help, we would have struggled to get to where we are without your support”



Resource efficiency

Reduce material use, save money



Grant of £9,724 for LED lighting & controllers
Saving over £5,644 and 6 tonnes carbon/year



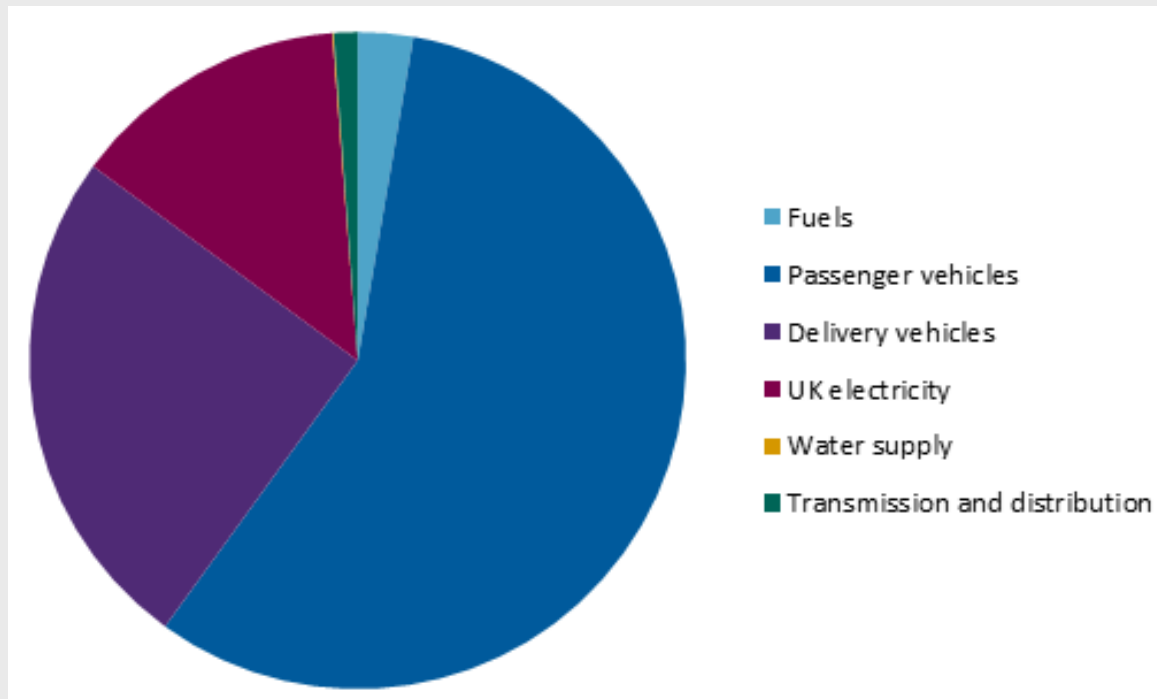
Renewable energy

Grant of £15,000 for 41.25 kWp solar photovoltaic system
Saving up to £3,000 per year and 10 tonnes carbon.



Transport

Grant of £3,859 to install 2 twin 22kW fast charge points
Savings of £1,000 and 5 tonnes carbon per year



Grants process

For work which costs less than £25,000:
One quote for each measure.

For work which costs more than £25,000:

- Three quotes required
- Opportunity to quote should be publicly advertised for at least 10 days
- Review of quotes to show how preferred quote was selected.

Grant calculated as £1,000 per 550kgCO₂ equivalent saving or 40% of cost of work, whichever is lower.

Publicity

Far greater uptake in Derbyshire than in Derby, so need for additional publicity in Derby

- Video
- Radio adverts (Peak Radio)
- Social media – Twitter, Linked In
- Awards – Energy Efficiency Award, IEMA, APSE, East Midlands Chamber
- Flyer – postal deliveries with business rates letters
- Networks e.g. East Midlands Chamber, Local Authority business advisors, Marketing Derby.

Project Video

Project summary video

<https://www.youtube.com/watch?v=n5bj3DJVIqw>



Questions?

www.derby.gov.uk/decarbonise

Twitter @DE-Carbonise

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