



Reference: EIR-439

Request:

I would like information about your council's electricity sources in relation to climate action for the Council Climate Action Scorecards. In particular, please supply me with information relating to the following questions:

1. Does the council have a 100% renewable green electricity tariff for all of the electricity that the council is directly responsible for, and is this tariff with Green Energy UK plc, Good Energy Limited or Ecotricity?

This includes all electricity that the council is directly responsible for, in council offices and any other buildings leased and managed by the council where the council pays the electricity tariff. This does not include homes owned or managed by the council. If unsure, please state your provider and tariff.

2. Does the council generate and use energy from waste? And if so, what percentage of the council's total electricity use is powered by these energy from waste electricity sources?
3. Does the council buy directly from a local renewable electricity source or have its own renewable electricity sources? And if so, what percentage of the council's total electricity use is powered by this/these renewable electricity sources?

This includes council owned renewable electricity sources that are located outside of the council area, such as solar farms located further south to maximise electricity generation.

Response:

1. North Tyneside Council procures its electricity supply for all of the built assets it is directly responsible for, via the North East Procurement Organisation (NEPO). Our electricity supplier is EDF Energy and the authority is on the Zero Carbon For Business Tariff (a zero-carbon tariff, meaning the Authority's market-based emissions for its electricity use are 0gCO₂e).
2. Residual waste collected by the Authority is processed in an energy from waste facility that is located outside of the borough boundaries, in preference to sending it to landfill. The Authority indirectly uses energy from waste as it relies on the national grid for the supply of some of its electricity and that grid electricity reflects a mix of generation including energy from waste. It is estimated (from the BEIS Digest of UK Energy Statistics) that the total power exported by EfWs in the UK in 2021 was 3% of total net UK generation, and this would be reflected in the Authority's location-based electricity emissions. The Authority does not have any direct wires with an EfW.

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3. Solar PV arrays are installed on the Authority's Killingworth site, with an estimated annual generation capacity of 616,000kWh. The site's estimated annual consumption is 771,760kWh and therefore the installed renewable source could generate approximately 80% of the site's total consumption. Total consumption across the Authority's full operational portfolio, which includes sheltered accommodation and street lighting, is approximately 20,300MWh, so the solar PV on the Killingworth site should generate over 3% of the Authority's consumption across the entire estate.

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