

Energy

Warwickshire Energy Statistics

Overview

Objective: 1. To provide the baseline data on energy consumption and carbon dioxide (CO₂) emissions needed to understand targets on CO₂ reduction and renewable energy.

Main Partners: **Warwickshire County Council**, Ecotec Research and Consulting Limited.

Audience: Anyone interested in how Warwickshire can meet its share of regional and national targets.

Rationale: Without the relevant Warwickshire specific data:

- ❖ It is not possible to set meaningful targets for reducing energy consumption in each sector.
- ❖ It is not possible to understand what a 5% target for electricity consumed to come from renewable energy sources by 2010 looks like.
- ❖ It is not possible to understand what a 60% reduction in CO₂ emissions by 2050 really means (on 1990 levels).

Web Link:

[http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/892C551ACE9ADCC38025719C00332D09/\\$file/energy+stats+base+line+for+climate+change+strategy.pdf](http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/892C551ACE9ADCC38025719C00332D09/$file/energy+stats+base+line+for+climate+change+strategy.pdf)

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The Warwickshire Energy Statistics Report 2005 profiles the nature, scale and importance of the energy sector in Warwickshire. It includes estimates of energy production, consumption and related emissions.

Key Points:

- ❖ Warwickshire contains Daw Mill, the only active coal mine in the West Midlands. It employs 574 staff and 2.9 million tonnes of coal were extracted in 2004 (equivalent to 150% of the county's estimated energy use).
- ❖ Installed renewable energy capacity in the county is about 17MW and is virtually all from landfill gas equivalent to 3% of the county's electricity consumption).
- ❖ There is only 2MW of Combined Heat and Power (CHP) in total and there are no known large schemes working in the county.
- ❖ Domestic energy consumption accounts for just under a third (30.5 %) of final energy consumption in Warwickshire (total 18,027 GWh). Industry and commerce 28 % and transport over 41 %. The largest fuel type consumed is oil (47.5 %).
- ❖ Carbon dioxide emissions are 4.6 million tonnes per annum and this needs to reduce to 4.2 million tonnes by 2010, 3.6 million tonnes by 2020 and to 1.9 million tonnes by 2050 to meet the 60% target.

