

UK BY NUMBERS ENERGY

Here we present an at-a-glance overview of the key issues in Britain today
In this issue our focus is on **energy production and consumption**



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"I shall make electricity so cheap that only the rich can afford to burn candles"

Thomas Edison, inventor of the electric light bulb

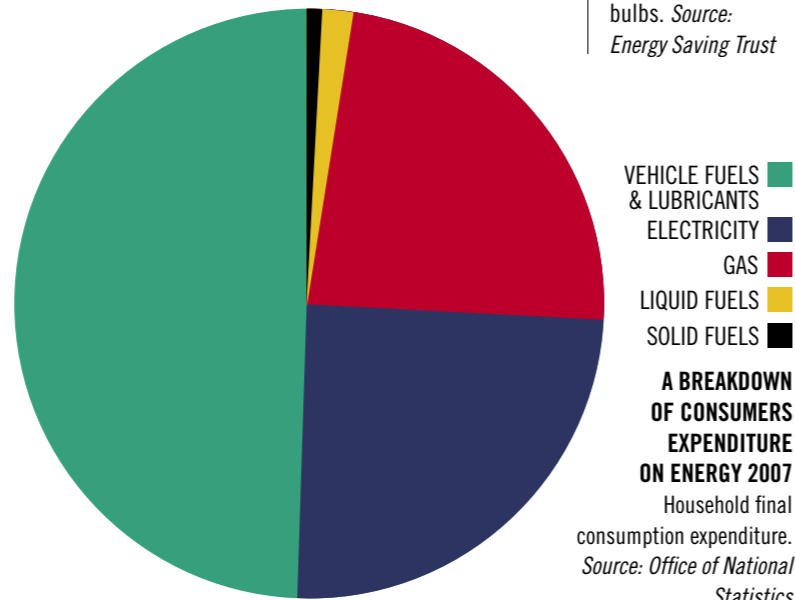
Consumption

35.4%
of energy use is accounted for by the household sector. *Source: Office of National Statistics*

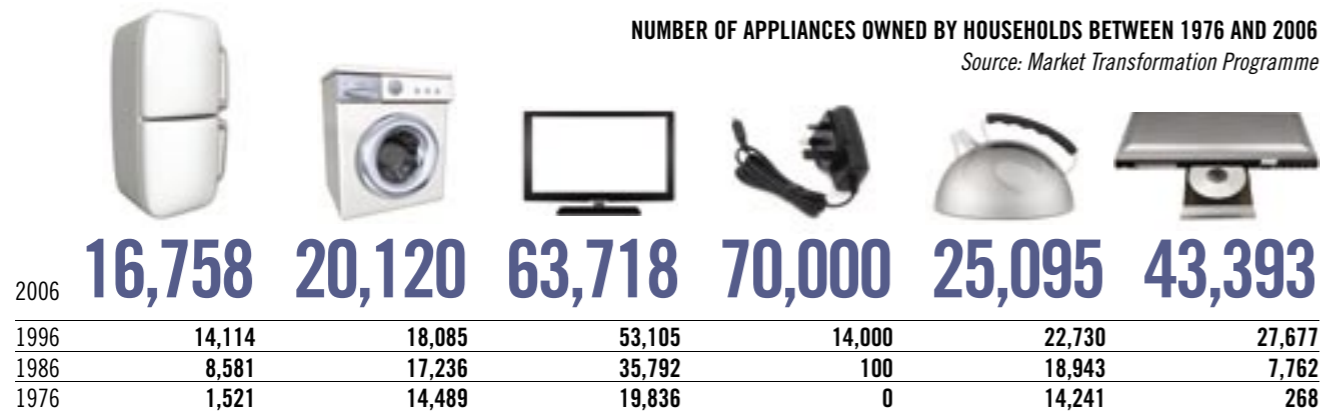
87%
The rise in average household expenditure since 1990. *Source: Office of National Statistics*

40%
less energy is used when washing clothes at 30C as opposed to 40C. *Source: Energy Saving Trust*

£600
Fit all the lights in your house with energy-saving bulbs and you could save around £45 per year and £600 over the lifetime of all the bulbs. *Source: Energy Saving Trust*



NUMBER OF APPLIANCES OWNED BY HOUSEHOLDS BETWEEN 1976 AND 2006
Source: Market Transformation Programme



Energy sources



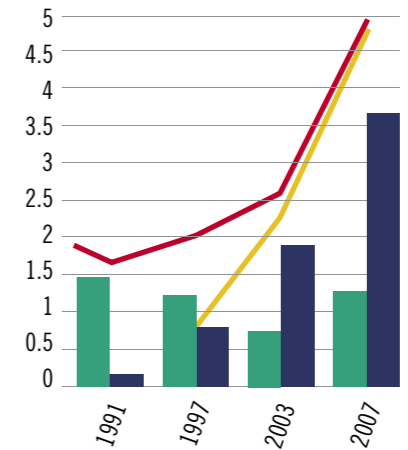
"If sunbeams were weapons of war, we would have had solar energy centuries ago"

George Porter, Nobel Prize-winning chemist

GROWTH IN ELECTRICITY GENERATION FROM RENEWABLE SOURCES

Percentage of UK generation (except where shown) *Source: Department for Business Enterprise & Regulatory Reform*

■ HYDRO
■ WIND, WAVE, SOLAR AND BIOFUELS
■ ALL RENEWABLES
■ OBLIGATION (% of UK electricity sales)



7.9%

increase in energy consumption, including electricity, by UK companies and the public sector (1990-2006). *Source: Office of National Statistics*

9.2%

increase in the use of energy from carbon fuels by UK companies and the public sector (1990-2006). *Source: Office of National Statistics*

5%

of the UK's electricity supply came from renewable sources in 2007, with 4.9% from Renewable Obligation (RO) eligible sources. *Source: Department for Business, Enterprise & Regulatory Reform*

27%

of renewables generation in 2007 was from wind. *Source: Department for Business, Enterprise & Regulatory Reform*

CO² Emissions

1,900

The number of times you could fill the Albert Hall with the CO² saved if everyone in the UK fitted one energy-saving light bulb. *Source: Energy Saving Trust*

4%

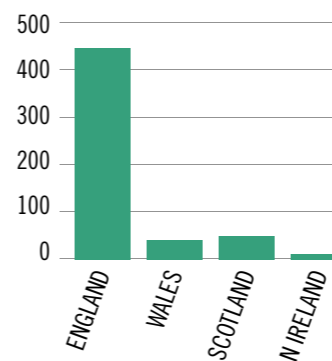
decrease in household energy CO² emissions from 1990-2006, largely due to electricity generators switching from coal to gas or nuclear fuels. *Source: Department for Business, Enterprise & Regulatory Reform*

38.3

million tonnes of carbon equivalent of residential CO² emissions from road transport. *Source: DEFRA Global Atmosphere Statistics*

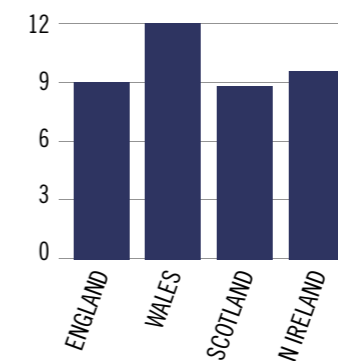
TOTAL CO² EMISSIONS 2005

Million tonnes carbon dioxide *Source: BERR*



PER CAPITA CO² EMISSIONS 2005

Tonnes carbon dioxide *Source: BERR*



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"Our objective is nothing less than a sea-change in energy efficiency and consumption"

Gordon Brown, Prime Minister