

Media Factsheet

The media factsheet are publically available statements calculated and owned by the Energy Saving Trust. These savings statements can be freely used in any media communications but requires the Energy Saving Trust to be referenced. All statistics are correct as of September 2011 and are valid for the period 2011/12. These figures should not be used to insinuate any endorsement of a particular product and the caveat shown below should accompany any statement as a footnote.

Insulation, Heating and Behavioural Savings Caveat

Based on a typical three bed semi-detached gas heated house, with an average gas price of 4.49p/kWh and electricity price of 14.39p/kWh; correct as of September 2011 and is valid for 2011/12.

Appliances, Domestic Computer, Consumer Electronics and Lighting Saving Caveat

Based on average electricity price of 14.39p/kWh; correct as of September 2011 and is valid for 2011/12.

Transport Caveat

Based on an average petrol price of 136.3p/litre and diesel price of 140.53p/litre; correct as of September 2011 and is valid for 2011/12.

Savings and Statistical Statements

Whole House Saving

- The average home in the UK could save around £280 and 1.1 tCO₂ a year by being more energy efficient.

Insulation Savings

- Insulating a loft with no insulation at all (0-270mm) could save up to £175 and 720kgCO₂ a year.
- Topping up loft insulation (100-270mm) could save around £25 and 110kgCO₂ a year.
- Cavity wall insulation could save up to £135 and 550kgCO₂ a year.
- Internal solid wall insulation can save around £445 and 1.8 tCO₂ a year.
- External solid wall insulation can save around £475 and 1.9 tCO₂ a year.
- Draughtproofing windows and doors can save around £30 and 120kgCO₂ a year.
- Floor insulation could save around £60 and 240kgCO₂ a year.
- Blocking gaps around your floor and skirting boards can save around £25 and 100kgCO₂ a year.
- Double glazing can save on average around £160 and 650kgCO₂ a year.
- Energy Saving Trust Recommended double glazing can save around £165 and 680kgCO₂ a year.
- Secondary glazing can save around £100 and 410kgCO₂ a year.
- A chimney balloon can save around £19 and 80kgCO₂ year.
- Hot water tank insulation can save around £40 and 170kgCO₂ a year.
- Insulating pipes that are exposed within your house could save you around £15 and 60kgCO₂ a year.

Heating Savings

- Underfloor heating in an insulated timber floor can save you around £20 a year with a modern gas boiler.
- Underfloor heating in an insulated timber floor can save you around £15 a year with a modern oil boiler.
- Upgrading your old electric storage heaters for modern slimline or fan storage heaters would save you around £110 - £170 a year.
- Reflective radiator panels professionally installed could save around £8 and 30kgCO₂

a year, or DIY installed panels could save around £4 and 20kgCO₂ a year.

- Replacing an old G-rated boiler with an A-rated boiler with full set of heating controls could save around £300 and 1.2tCO₂ a year.

Energy Efficient Behaviour Savings

- A smart meter or energy monitor with in-home display can help householders save at least 5% of their electricity use by increasing awareness of energy use and cutting waste.
- Turning appliances off at the plug when not in use and avoiding standby saves on average around £35 per year on energy bills and 120 kg carbon dioxide.
- If every UK household turned their appliances off when not in use, collectively we could save £530 million every year and as much carbon dioxide as would be saved by taking 660000 cars off the UK's roads.
- Turning down your thermostat if it is set too high will save around £60 a year on heating bills and 250kg of carbon dioxide.
- If every home in the UK turned down their thermostat by one degree, collectively we could save £705 million a year on energy bills and as much carbon dioxide as taking nearly 1046.9 thousand cars off the road. 65% of UK households claim to have done this already
- Washing clothes at 30 degrees uses around 40 per cent less electricity over a year than washing at higher temperatures.
- Washing clothes at 30 degrees uses around a third less electricity over a year than washing at 40 degrees.
- Washing clothes at 30 degrees rather than higher temperatures will save around £12 a year on energy bills and around 43kg of carbon dioxide.
- If everyone in the UK washed their clothes at 30 degrees instead of higher temperatures,

Appliance Savings

- Upgrading an old D-rated oven with an ESTR Oven model could save you around £12 and 41kgCO₂ every year.
- On average replacing a 12 year old **Chest Freezer** with a new ESTR model will save you around £26 in energy bills each year and 90 kg of CO₂ each year.
- On average replacing a 12 year old **Upright Freezer** with a new ESTR model will save

- Fitting a room thermostat saves around £70 and 280kgCO₂ a year.
- Thermostatic radiator valves (TVR) can save around £10 and 40kgCO₂ a year.
- A water tank thermostat can save around £30 and 130kgCO₂ a year.

collectively we could save around £170 million (around 620000 tonnes of CO₂). This is enough electricity to power over 370000 homes for a year or to power the UK's street lighting for 7 months.

- Only filling the kettle up with as much water as you need could save around £7 in energy bills a year
- If everyone boiled only the water they needed every time they used the kettle, we could save enough electricity in a year to power the UK's street lights for 2 months. This is equivalent to the electricity used by around 130000 households for a year.
- Turning off your lights when you don't need them could save you around £8 a year and 26 kgCO₂ a year.
- If you've already replaced all your remaining standard bulbs (GLS) with energy saving bulbs (CFLs), then turning off lights when not in use can save you around £4 a year and around 12 kg CO₂.
- You can save on average £17 a year on your electricity bill and 65 kgCO₂ by line drying clothes instead of using a tumble drying during the summer months.
- Across the UK, if everyone with a tumble dryer line dried during the summer months collectively it would save around £210 million a year and save as much CO₂ as taking 270000 cars off the road.

you around £26 in energy bills each year and 90 kg of CO₂ each year.

- On average replacing a 12 year old **Fridge** with a new ESTR model will save you around £17 in energy bills each year and 55 kg of CO₂ each year.
- On average replacing a 12 year old **Fridge Freezer** with a new ESTR model will save you around £40 in energy bills each year and 135 kg of CO₂ each year.

- On average replacing a 12 year old **Washing Machine** with a A+++ model will save you around £15 in energy bills each year and 55 kg of CO2 each year.
- On average replacing a 12 year old **Tumble Dryer** with a new ESTR model will save you

around £21 in energy bills each year and 75 kg of CO2 each year.

- On average replacing a 12 year old **Dishwasher** with a new ESTR model will save you around £7 in energy bills each year and 25 kg of CO2 each year.

Domestic Computer Savings

- Buying an **ESTR desktop** instead of the market average would save you around £14 and 49kgCO2 every year.
- Replacing a stock average **desktop** with an ESTR model would save you around £30 and 95kgCO2 every year.
- Buying an **ESTR Laptop** to replace a stock average laptop would save you around £4 and 14kgCO2 every year.
- Replacing the average **desktop and monitor** or an ESTR laptop would save you around £47 and 159kgCO2 every year.

- Buying an **ESTR monitor** rather than the market average would save you around £18 and 70kgCO2 per year.
- **ESTR printers** use over 40% less energy in sleep mode than regular models.
- If all desktop computers with monitors were replaced with average performing new laptops, UK households could save on average £590 million off energy bills and 2MtCO2.
- If everyone going to buy a desktop computer bought a laptop instead it would save around £60 Million every year.

Lighting Savings

- If you're still using a 60W incandescent replacing it with a 15W CFL can save up to £8 per year. On average, a CFL will save around £3 per year
- Depending on how long your lights are in use every day, an energy saving light bulb can save you around £3 per year on average or around £6 to £8 for brighter bulbs or those used for more hours a day.
- By replacing all the remaining standard (GLS) bulbs in your home with energy saving light bulbs (CFL's) you could save around £30 a year from your energy bills, and 110 kgCO2.
- By replacing all the remaining standard bulbs and halogen spots in your home with energy saving light bulbs (CFLs and LED spots) you

could save around £55 a year from your energy bills, and 190 kgCO2.

- Turning off your lights when you don't need them could save you around £8 a year and 26 kgCO2 a year.
- If you've already replaced all your remaining standard bulbs (GLS) with energy saving bulbs (CFLs), then turning off lights when not in use can save you around £4 a year and around 12 kg CO2.
- In 2011, UK households are expected to spend around £2.2 bn on electricity to run their lighting.
- On average, UK households spend around £85 per year on electricity to run their lighting.

Consumer Electronic Savings

- Choosing an ESTR 40 inch **TV** over a market average 40 inch TV will save you £51 over the lifetime of the product*
- If every **LCD TV** sold in the next year was an ESTR model the consumers would save a total of £80 million in energy bills and 270 thousand tonnes of CO2 each year. That is equivalent to taking 95 thousand cars off the UK roads each year*

- Choosing a typical LCD over a typical plasma screen **TV** could save £28 a year in running costs.
- Leaving a new **TV** in 'quickstart mode' rather than turning it off at the plug socket wall could cost you as much as £10 a year in energy bills.
- An ESR DAB digital radio uses only a quarter of an average old DAB radio.

Transport Savings

- The average CO₂ emissions from a passenger car is 2.7tCO₂.
- The average **UK** driver could save around £220 and 470kgCO₂ a year by sharing their commute with two other drivers.
- If every commuter in the **UK** shares a car with 2 others collectively it would save £5.4 Billion and 11.4 MtCO₂ a year.
- If every commuter in **Wales** shares a car with 2 others collectively it would save £270 Million and 570000 tCO₂ a year.
- If every commuter in **Scotland** shares a car with 2 others collectively it would save £430 Million and 900000 tCO₂ a year.
- If every commuter in **Northern Ireland** shares a car with 2 others collectively it would save £200 Million and 410000 tCO₂ a year.
- On average charging your electric vehicle overnight can save up to 18% on CO₂ emissions per charge.
- If everyone in **England** who takes 3 or more flights to Europe cut one return flight we would save enough CO₂ to take 200000 cars off the road for a year.
- If everyone in **Wales** who takes 3 or more flights to Europe cut one return flight we would save enough CO₂ to take 2000 cars off the road for a year.
- If everyone in **Scotland** who takes 3 or more flights to Europe cut one return flight we would save enough CO₂ to take 10000 cars off the road for a year.
- If everyone in **Northern Ireland** who takes 3 or more flights to Europe cut one return flight we would save enough CO₂ to take 1000 cars off the road for a year.
- Reducing your weekly mileage by 5 miles by walking or cycling could save around £40 and 85kgCO₂ in yearly fuel costs.
- If everyone in the **UK** reduced their mileage by 5 miles a week it would collectively save around £1.1 Billion and 3 MtCO₂ a year.
- If everyone in **Wales** reduced their mileage by 5 miles a week it would collectively save around £57 Million and 120000 tCO₂ a year.
- If everyone in **Scotland** reduced their mileage by 5 miles a week it would collectively save around £89 Million and 190000 tCO₂ a year.
- If everyone in **Northern Ireland** reduced their mileage by 5 miles a week it would collectively save around £41 Million and 89000 tCO₂ a year.
- Walking or cycling your children a mile to and from school each day would save around £120 and 250kgCO₂ each year compared to doing these journeys in the average car.
- Smarter Driving can save you between £250 - £300 and 500 - 600kgCO₂ a year if you're a commuter. That's a 15% saving on your fuel bill which is around 2 months worth of fuel a year.
- Smarter Driving in your electric car can save you between up to £70 and 250kgCO₂ a year if you're a commuter. That's a 17% saving on your fuel bill which is around 2 months worth of energy for your EV a year.
- By choosing the most fuel efficient car in its class you could save on average around £515 a year on fuel costs, that's 5 months worth of fuel.
- In the UK the most fuel efficient cars in each class can save an average of £150 on road tax in the first year and £120 every year thereafter.