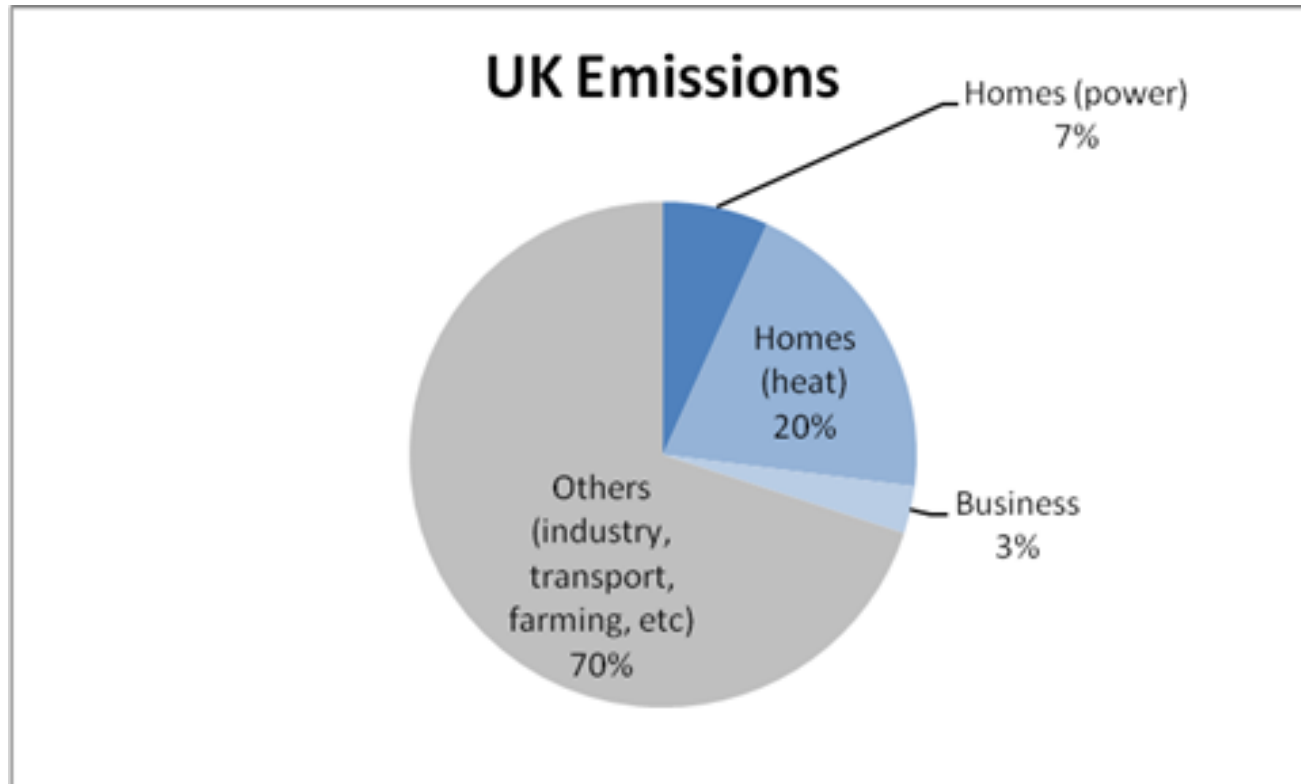




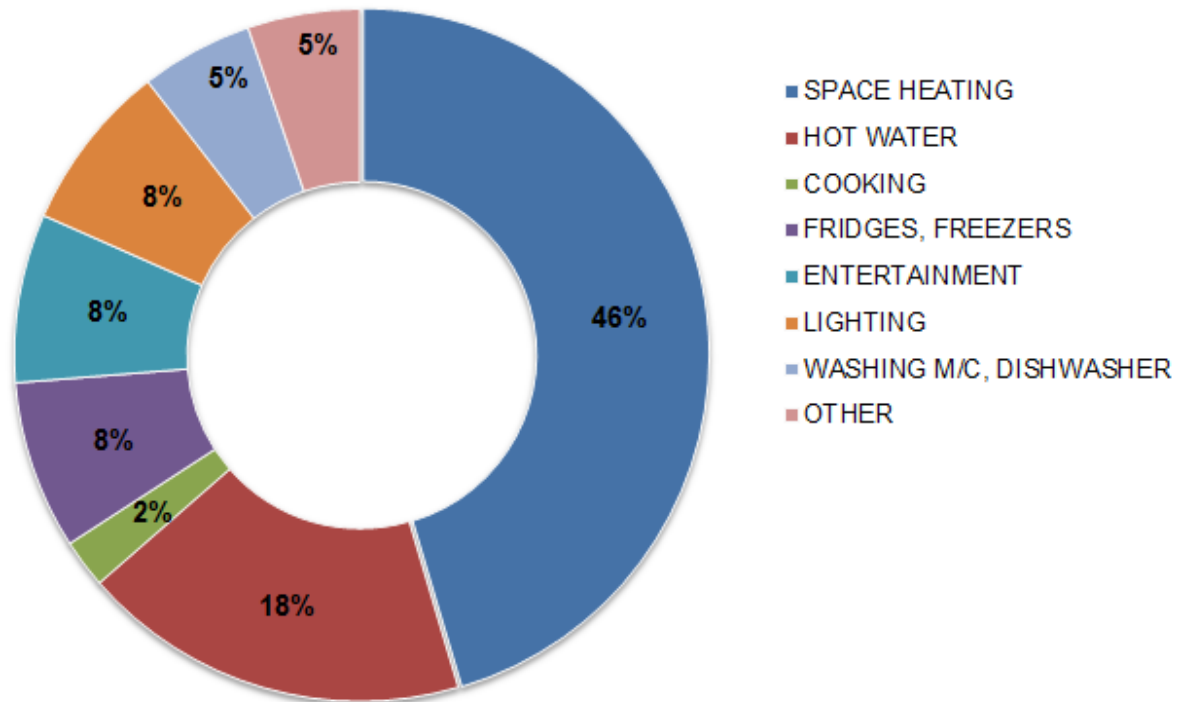
# Transforming our housing Time for a new model?

Smart Energy Marketplace – 28 March 2017

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## Average UK Household Energy Consumption by amount of CO2



- There is no one-size fits all solution
- Improving energy efficiency can be expensive in a piecemeal process
- The paybacks can be long
- There is still not much of a link between improving an EPC and improving a properties value



Energy Performance Certificate (EPC)

17 Amy Street, Bristol, Avon, BS1 3BA  
Dwelling type: Detached house Reference number: 000 200 000 000 000  
Date of assessment: 16 Jun 2011 Type of assessment: Full EPC (including lighting) File size: 100 MB  
Date of certificate: 12 Oct 2011 File Area: 100 m<sup>2</sup>

Use this document to:

- Compare your energy ratings to see which properties are more energy efficient
- Find out how you can save energy, cut costs or make a greener investment

Estimated energy costs of dwelling for 3 years: £1,087  
Over 3 years you could save: £2,763

Estimated energy costs of this house

	Current costs	Potential costs	Potential future savings
Lighting	£303 over 3 years	£277 over 3 years	£26
Heating	£713 over 3 years	£713 over 3 years	£0
Hot water	£41 over 3 years	£41 over 3 years	£0
Fixed costs	£190	£190	£0
<b>Total</b>	<b>£1,087</b>	<b>£1,087</b>	<b>£26</b>

These figures show how much the energy bills could be reduced by making improvements to the house or by using the energy more efficiently. The actual energy bills will depend on the weather and the way the house is used. The energy bills will also depend on the way the house is used. The energy bills will also depend on the way the house is used.

Energy Efficiency Rating

Current Rating	Potential Rating
D	C

The graph shows the maximum energy efficiency of your home. The higher the rating the more your home can be improved. The graph is split into two parts. The left part shows the current energy efficiency of your home. The right part shows the potential energy efficiency of your home. The difference between the two parts is the potential energy efficiency of your home.

The actions you can take to save money and make your home more efficient

Recommended measure	Indicative cost	Typical savings	Payback period
1. Replace hot water tank with tankless water heater	£100 - £150	£10	10 years
2. Upgrade insulation	£50 - £100	£5	10 years
3. Upgrade lighting	£10 - £20	£1	10 years

See page 2 for a full list of measures and their payback periods.



# Why bother?



- ZEBCat project – ERDF funded
- 15 homes + one non-domestic building
- Whole-house retrofit, offsite construction
- Business support programme for SMEs in Devon
- Starts now – completes in Dec 2019
- ZEBCat uses the EnergieSprong approach to procuring and delivering warmer buildings that are cheaper to run



**European Union**

European Regional  
Development Fund





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