



# UK Emergency Carbon Plan

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80% is the wrong target

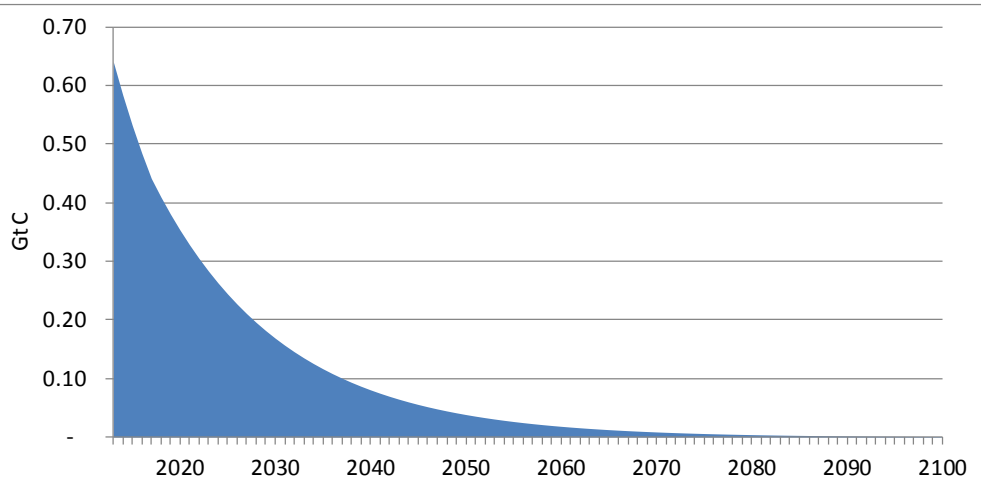
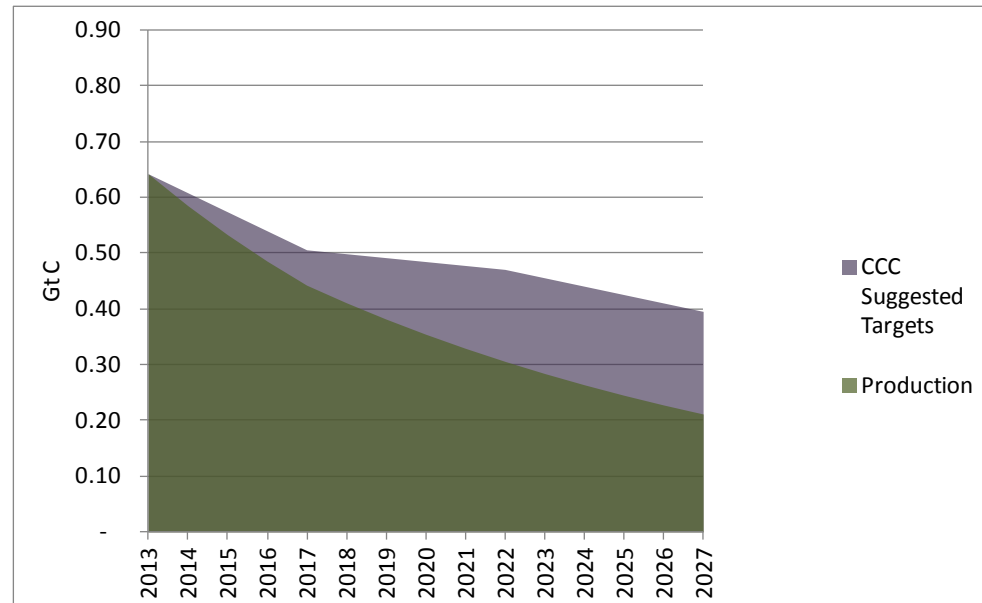


Figure 1: UK Emissions 2012 – 2100 to achieve equitable 2 degree benchmark with 67% probability

97% reduction by 2050

Figure 2: Comparison of 2 degree equitable reduction with CCC budgets

67% reduction by 2027



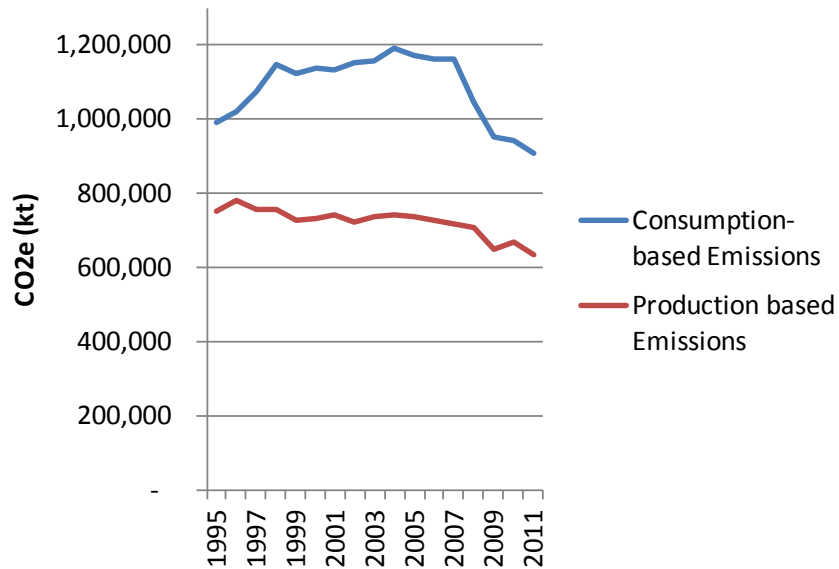
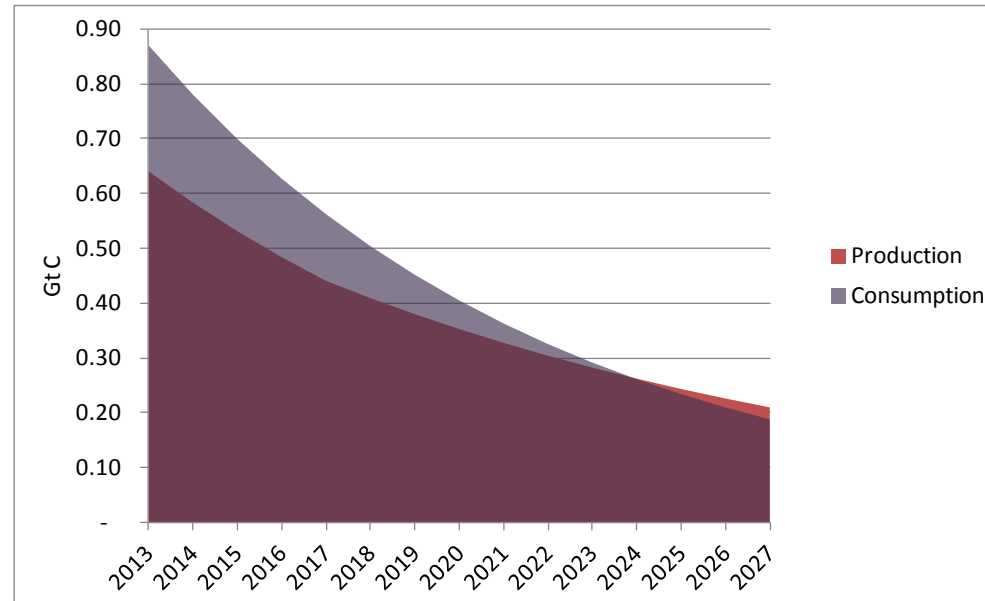


Figure 3: UK Consumption and Production Emissions

Figure 4: Consumption and Production Emission Profiles consistent with equitable 2 degree reduction

78% reduction in consumption emissions





Climate change is a short-term not a long-term problem and technology can only make a modest contribution



Figure 5: UK Consumption Emissions with 3.2% per year efficiency improvements

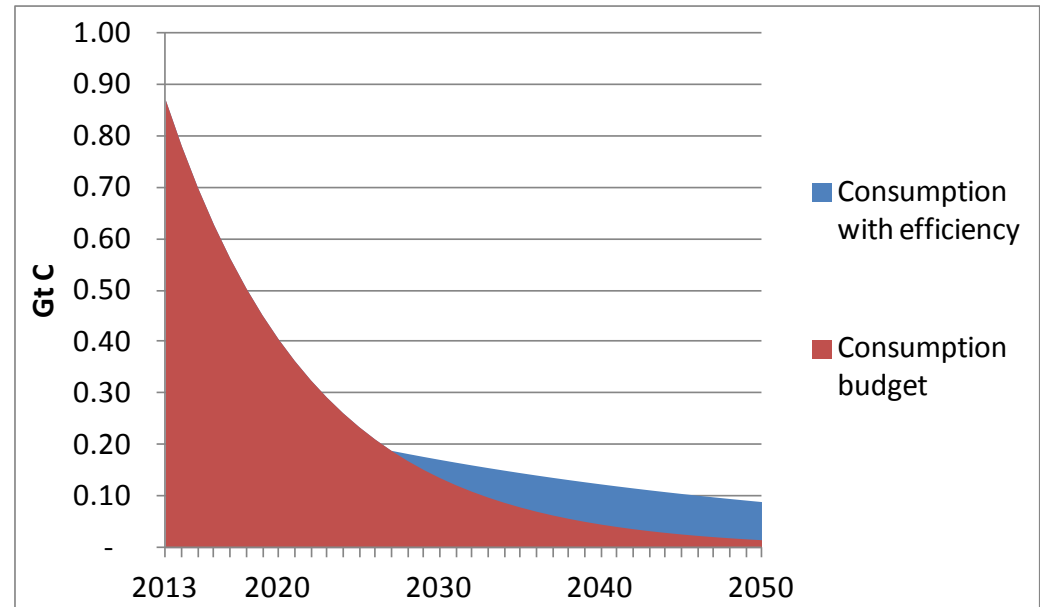
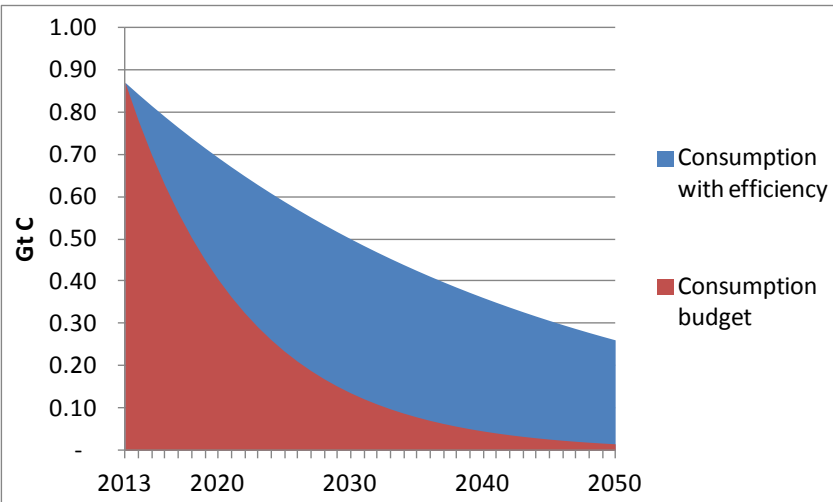


Figure 6: UK Consumption Emissions with necessary annual reduction achieved to 2027



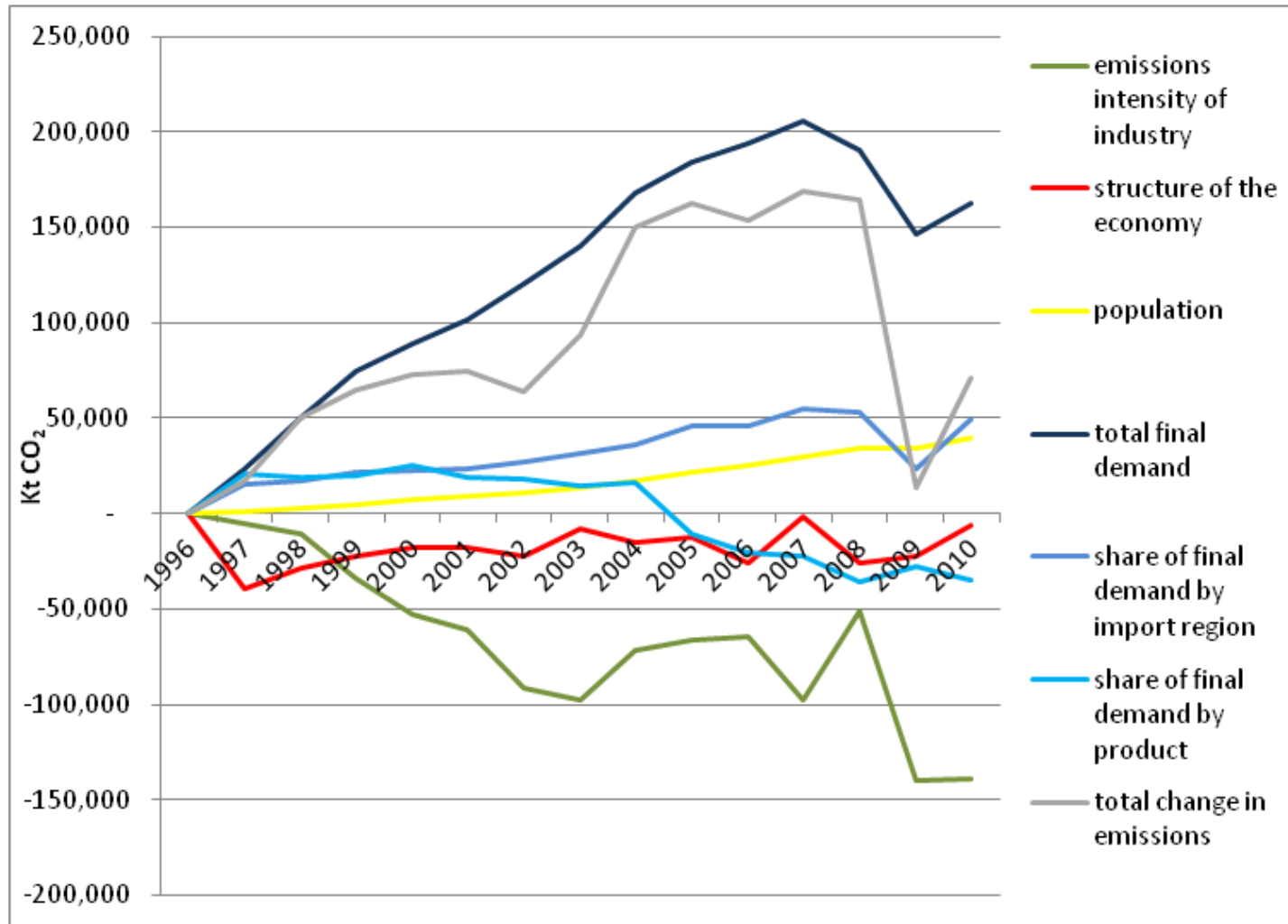


Consumption is the driver of emissions

# Figure 7: Decomposition of UK Consumption Emissions



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Technology will not deliver in the short-term  
therefore the size of the economy exceeds the  
carbon space

$$I = P A T$$

Some households are more “equal” than others

# Household Emission Profiles



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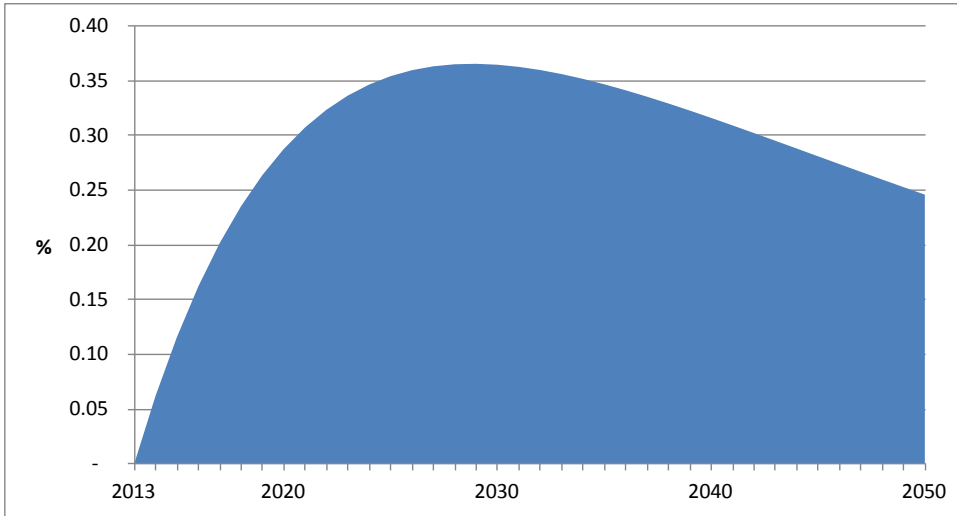
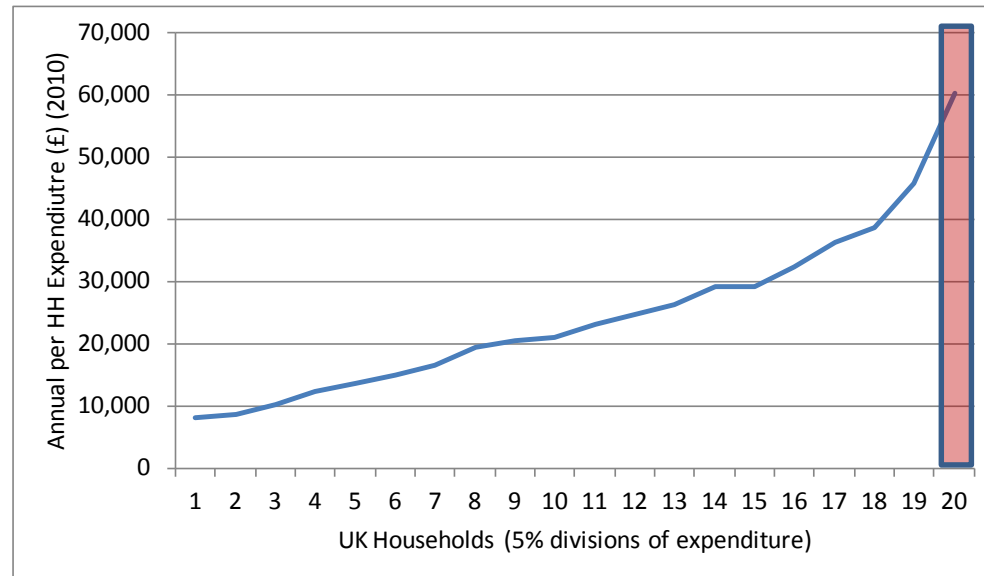


Figure 8: % of Carbon Tax on expenditure to achieve equitable 2 degree reduction in the UK

8% in 2014...

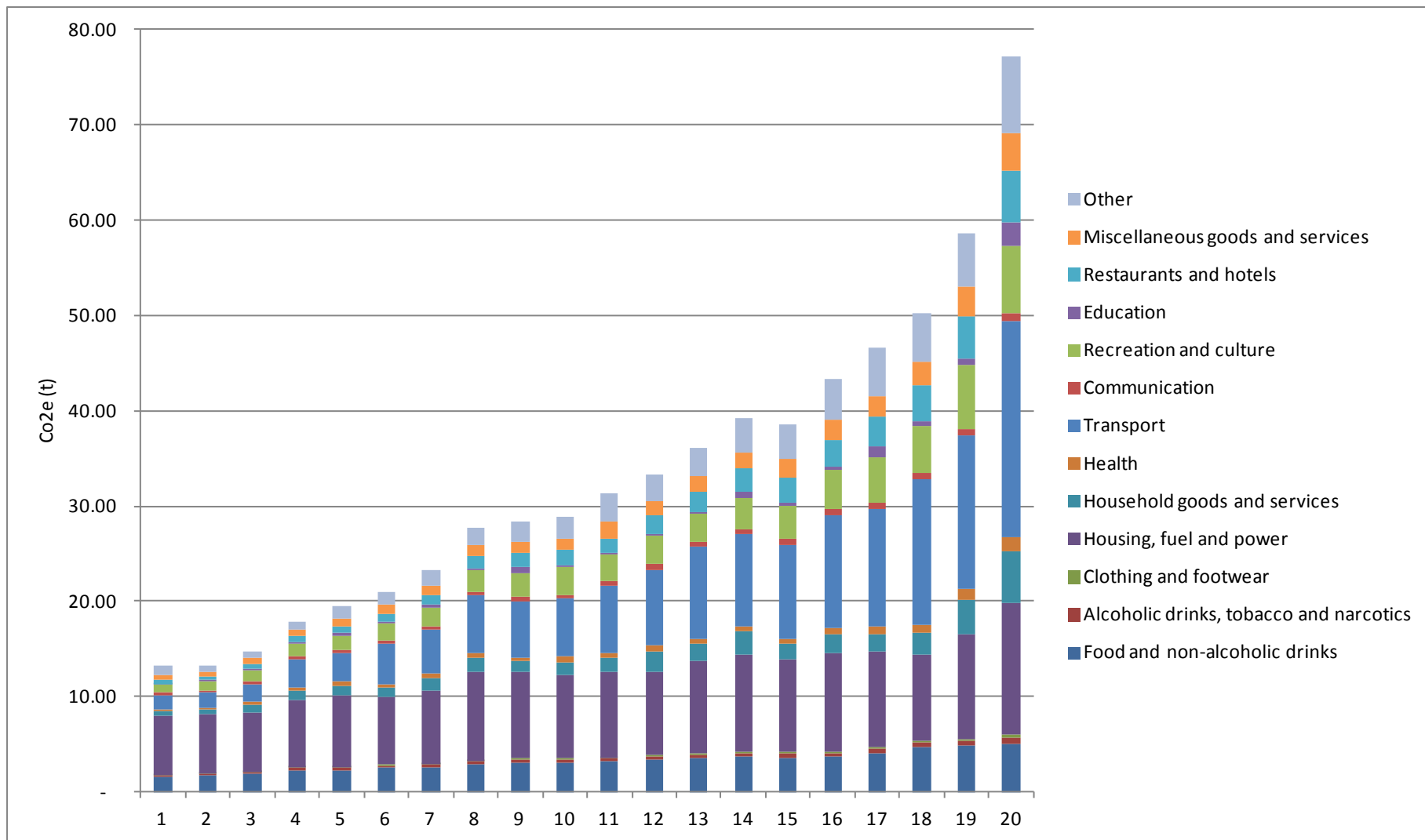
Figure 9: HH Expenditure Profile in the UK by 5% groups



# Figure 10: CO<sub>2</sub>e (t) UK Households in 2010



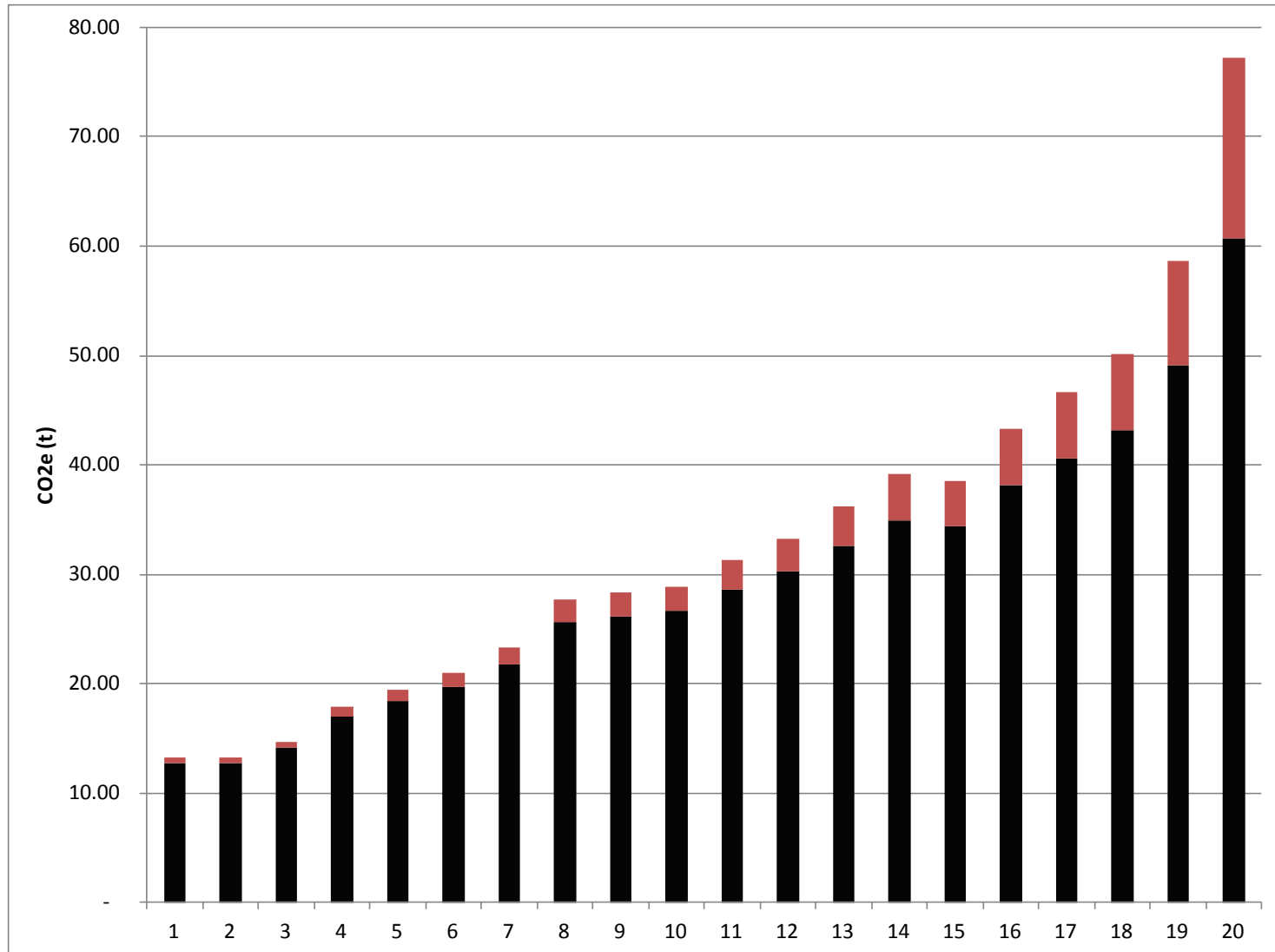
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# Figure 11: Carbon Efficiency Adjustment Tax



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Source: Own Calculations

# References and other useful publications



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