

Y&HCC Commission Meeting 17 3 21 - Paper 3

**Yorkshire and Humber Energy Use and Carbon Emissions (DRAFT)
(Scope 1 and 2)**

Current GHG emissions: 29,553 Kt CO₂e
(7.5% of UK emissions, Y&H emissions are higher than those of 8 EU member states)

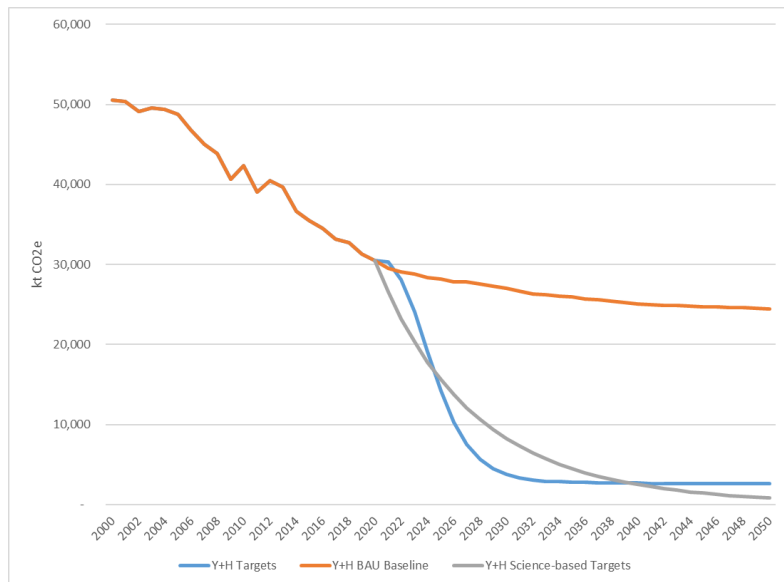
Sectoral breakdown of emissions

	Current	BAU Forecast for 2050
Homes	29%	29%
Public and commercial	25%	24%
Transport	25%	26%
Industry	21%	21%

Change in GHG emissions between 2000 and 2020: -41%
Projected BAU change in GHG emissions between 2000 and 2050: -52%

Yearly rate of reduction between 2000 and 2020: -2% p.a.
Current rate of reduction (exc. Covid): -3% p.a.
Yearly rate of reduction needed to stay within science-based budget: -12% p.a.

Comparison of business as usual, science-based targets and current commitments



Current yearly energy bill: £10.3 billion
Potential yearly reduction in energy bill from cost-effective low carbon measures: £1.94bn
Yearly investment needed to exploit cost-effective measures through the next decade: £1.33bn
Number of job years created from investing in cost-effective low carbon measures: 328,499
Number of jobs forecast to see demand for skills increase: 241,000 (10.6%)
Number of jobs forecast to see demand for skills decrease: 249,000 (11%)

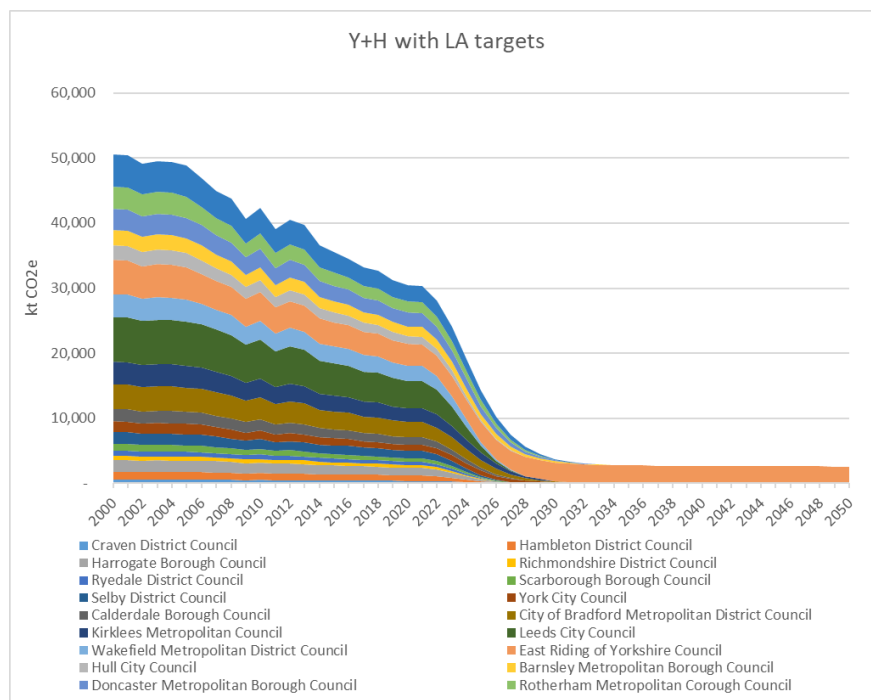
Current local authority targets

	County council	Target*	Year	Local Authority	Target*	Year
North Yorkshire	North Yorkshire County Council	100%	2030	Craven	100%	2030
				Hambleton		
				Harrogate		
				Richmondshire		
				Ryedale	100%	2050
				Scarborough		
				Selby		
				York	80%	2050
West Yorkshire				Bradford	100%	2038
				Calderdale	80%	2050
				Kirklees	100%	2038
				Leeds	100%	2030
				Wakefield	100%	2030
East Riding of Yorkshire				East Riding		
				Hull	100%	2030
South Yorkshire				Barnsley	100%	2045
				Doncaster	100%	2040
				Rotherham	100%	2040
				Sheffield	100%	2040

Current combined authority/LEP targets

	Target*	Year
Humber	100%	2040
Leeds City Region	100%	2050
Sheffield City Region	100%	2040
York and N Yorks	100%	2034

* 100% = net zero



NB Graph assumes each authority meets the most ambitious target currently in place, whether LA, CA or LEP.