

### Baseline Emission Inventory York

- 1) **Inventory year** 2005
- 2) **Emission factors** Standard emission factors in line with the IPCC principles
- 3) **Emission reporting unit** kt CO2

**B) CO2 Emission  
Baseline Year  
  
Other Years  
available**

Year	A. Industry and Commercial Electricity	B. Industry and Commercial Gas	C. Large Industrial Installations	D. Industrial and Commercial Other Fuels	E. Agricultural Combustion	G. Domestic Electricity	H. Domestic Gas	I. Domestic 'Other Fuels'	J. Road Transport (A roads)	L. Road Transport (Minor roads)
2005	271	219	-	39	4	182	258	12	194	118
2006	275	216	-	34	4	188	252	12	192	115
2007	257	145	-	35	4	184	239	12	191	118
2008	255	141	-	32	4	177	247	12	182	113

(Source Department of Energy and Climate Change (emission statistics) website)

M. Road Transport Other	Total kt CO2
1	1,298
1	1,291
1	1,186
1	1,165

## A Sustainable Energy Plan for York

SECTORS & fields of action	KEY actions/measures per field of action	Responsible department, person or company (in case of involvement of 3rd parties)	Implementat ion [start & end time]	Estimated costs  per action/mea sure	Expected energy saving per measure [MWh/a]	Expected renewable energy production per measure [MWh/a]	Expected CO2 reduction per measure [t/a]	Energy saving target per sector [MWh] in 2020	Local renewable energy production target per sector [MWh] in 2020	CO2 reduction target per sector [t] in 2020
<b>BUILDINGS, EQUIPMENT / FACILITIES &amp; INDUSTRIES:</b>									<b>158870</b>	
<b>Municipal buildings, equipment/facilities</b>	City of York Council is delivering a Carbon Management Programme (CMP) that will reduce the council's carbon footprint by 25% by 2013(including the estate, streetlighting and fleet)	CYC Carbon Management Board	2008 - 2013	TBC	Not available (NA)		A review of the data for this programme is under review and will be added in once completed	Not available (NA)		See buildings target below
	City of York Council is delivering a separate programme that will reduce the council's social housing carbon footprint by 25% by 2020(including energy	CYC Carbon Management Board	2008 - 2020	To be identified	Not available (NA)		TBC	Not available (NA)		See buildings target below
	Further details of planned actions can be seen in the Climate Change Framework and Action Plan 2010 - 2015	CYC - City Strategy	2011 - 2015	Via existing funding sources	Not available (NA)		Not Available	Not available (NA)		

<b>Tertiary (non municipal)</b>	See industries below									
<b>Residential Buildings</b>										
Social Housing	City of York Council is delivering a programme that will reduce the council's social housing carbon footprint by 25% by 2020(including energy efficiency improvements)	CYC Carbon Management Board	2008 - 2020	To be indentified	Not available (NA)	TBC	Not available (NA)			
Domestic Housing (social and private)	City of York Council and partners to develop and deliver city wide programmes to improve energy efficiency and renewable energy generation in the private housing stock across York	CYC - CANS and City Strategy	2011 - 2020	To be indentified	Not available (NA)	101050	Not available (NA)			
<b>Other</b>										
Municipal public lighting	CYC to investigate and develop and deliver energy efficient lighting programmes (in addition to the work above through the CMP)	CYC - CANS / CMP	2011 - 2016	To be indentified	Not available (NA)	1430	Not available (NA)			

Industries	CYC and partners to investigate, develop and deliver city wide programmes to improve energy efficiency and renewable energy generation in the industrial and commercial sector of York	CYC - City Strategy and WoW Partners	2011 - 2020	To be identified	Not available (NA)	56390	Not available (NA)		
<b>TRANSPORT</b>									<b>88420</b>
#	CYC is delivering a Carbon Management Programme 2008 - 2013 that will reduce the council's carbon footprint by 25% by 2013(including fleet improvements and route optimisation, driver training)	CYC Carbon Management Board	2008 - 2013	Via existintg funding sources	Not available (NA)	Currently under review. To be added once revised data is available	Not available (NA)		
Public Transport	CYC is developing a new local transport plan in 2011 and this will aim to reduce transport related emissions and create a sustainable transport network across York. Once developed measures will be added to this SEAP	CYC City Strategy	2011 - 2031	To be added once LTP3 is finalised	Not available (NA)	To be added once LTP3 is finalised	Not available (NA)		
Private and commercial Transport							Not available (NA)		

	CYC and partners to develop a low emission strategy including electric vehicle programmes and infrastructure schemes across the City	CYC CANS City Strategy	2011 - 2020	To be indentified	Not available (NA)	To be added once plans are finalised	Not available (NA)		
Other	CYC and partners, through policies and programmes above, to investigate and implement road transport efficiency improvements, fuel reduction improvements and investigate replacement road fuels	CYC - City Strategy		To be indentified		88420	Not available (NA)		
<b>LOCAL ELECTRICITY PRODUCTION:</b>									87780
Wind Power	CYC and Partners to investigate, develop and install, where viable and feasible, large wind (36MWe total capacity) and Medium Wind (60MWe total capacity) technologies, (including on CYC sites where appropriate)	CYC - City Strategy	2011 - 2020	To be indentified	Not available (NA)	56270	Not available (NA)		

Photovoltaic	See residential buildings above. This includes installations in 5954 homes. See Industries above which includes installations that will save approximately 1490 t CO2 .	CYC - CANS and City Strategy	2011 - 2020	To be indentified	Not available (NA)	n/a		5990 (included above in domestic housing)	
Combined Heat and Power	CYC and parterns to investigate, develop, and where viable and appropriate, install CHP biomass (total capacity 3.4MWe ) and CHP large gas ( total capacity of 2.9 MWe ) schemes	CYC - City Strategy	2011 - 2020	To be indentified	Not available (NA)	31510	Not available (NA)		
LAND USE PLANNING:									

<p><i>Strategic urban planning</i></p>	<p>Climate change, resource efficiency, and sustainable design and construction are all addressed in the emerging Local Development Framework (LDF) for York. A Supplementary Planning Document on sustainable design and construction will also be developed in 2011 to replace the current Interim Planning Statement 2007. Please see the Climate Change Framework and Action Plan for additional actions</p>	<p>CYC - City Strategy</p>	<p>2011 - 2015</p>	<p>Not available (NA)</p>	<p>Not available (NA)</p>		<p>Not available (NA)</p>	
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<i>Transport / mobility planning</i>	The emerging LDF and Local Transport Plan 3 will cover a range of policies and programmes that will reduce emissions from transport and create, in the future, a sustainable transport network for York. Please see the Climate Change Framework and Action Plan for additional actions, and the LTP3 consultation and framework	CYC - City Strategy	2011 - 2015	Not available (NA)	Not available (NA)	Unable to quantify at present. Where possible additional savings will be added to this SEAP	Not available (NA)		
<i>Standards for refurbishment and new development</i>	Please see the strategic urban planning section above and the Climate Change Framework and Action Plan for additional actions	CYC - City Strategy	2011 - 2015	Not available (NA)	Not available (NA)		Not available (NA)		
<i>Other - please specify:</i>									
<b>PUBLIC PROCUREMENT OF PRODUCTS AND SERVICES:</b>									
<i>Energy efficiency requirements/standards</i>	Please see the Climate Change Framework and Action Plan for additional actions	CYC - City Strategy	2011 - 2015	Not available (NA)	Not available (NA)		Not available (NA)		

<i>Renewable energy requirements/standards</i>	Please see the Climate Change Framework and Action Plan for additional actions	CYC - City Strategy	2011 - 2015	Not available (NA)	Not available (NA)		Not available (NA)		
<i>Other - please specify:</i>									
<b>WORKING WITH THE CITIZENS AND STAKEHOLDERS:</b>									
<i>Advisory services</i>	Please see the Climate Change Framework and Action Plan for additional actions	CYC - City Strategy	2011 - 2015	Not available (NA)	Not available (NA)		Not available (NA)		
<i>Financial support and grants</i>	Please see the Climate Change Framework and Action Plan for additional actions	CYC - City Strategy	2011 - 2015	Not available (NA)	Not available (NA)		Not available (NA)		
<i>Awareness raising and local networking</i>	Please see the Climate Change Framework and Action Plan for additional actions	CYC - City Strategy	2011 - 2015	Not available (NA)	Not available (NA)		Not available (NA)		
<i>Training and education</i>	Please see the Climate Change Framework and Action Plan for additional actions	CYC - City Strategy	2011 - 2015	Not available (NA)	Not available (NA)		Not available (NA)		
<i>Other - please specify:</i>									
<b>OTHER SECTOR(S) - Please specify:</b>									81650
<i>Other - Please specify:</i>	Greening of the Grid within York	Coalition Government	2010 - 2020	Not available (NA)	Not available (NA)	81650	Not available (NA)		

<p><i>Other - Please specify:</i></p>	<p>10 major areas are being tackled in the Climate Change Framework and Action Plan (2010-2015) to ensure progress is made towards the CoM targets and York's other climate related commitments. These plans will create sustainable homes, buildings, low carbon / renewable energy, sustainable waste practices, a sustainable low carbon transport network, low carbon lifestyles, sustainable planning and agriculture, partnerships working together to address climate change and a city that is preparing for a changing climate. Please see the Climate Change Framework and Action Plan for</p>	<p>CYC - City Strategy</p>	<p>2011 - 2015</p>	<p>Not available (NA)</p>	<p>Not available (NA)</p>		<p>Not available (NA)</p>	
<p><b>Total CO2 Savings</b></p>								<p><b>416720</b></p>