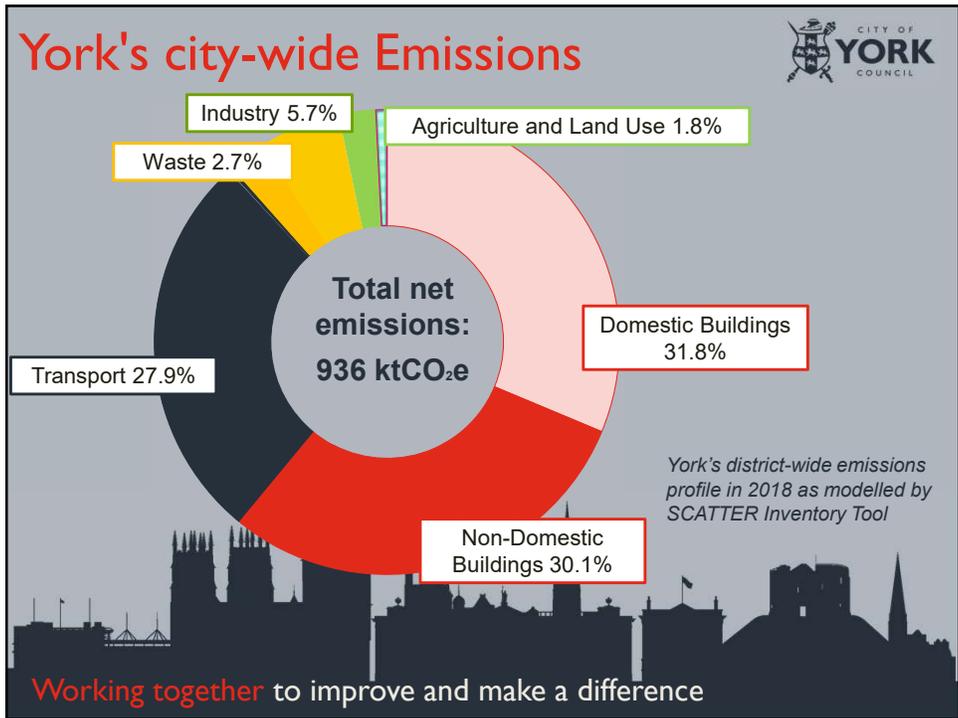


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# York Climate Change Strategy

<p style="text-align: center;"><b>Engagement</b></p> <ul style="list-style-type: none"> <li>1.1 Clear communication and information</li> <li>1.2 Increase awareness and understanding</li> <li>1.3 Build strong relationships and networks</li> <li>1.4 Identify best practice</li> </ul>	<p style="text-align: center;"><b>Buildings</b></p> <ul style="list-style-type: none"> <li>2.1 Improve energy efficiency of existing buildings</li> <li>2.2 Reduce emissions from new buildings</li> <li>2.3 Move away from fossil fuel heating systems</li> <li>2.4 Switch to more efficient appliances</li> </ul>	<p style="text-align: center;"><b>Transport</b></p> <ul style="list-style-type: none"> <li>3.1 Reduce overall travel miles</li> <li>3.2 Increase uptake of active travel and public transport</li> <li>3.3 Switch to electric vehicles</li> <li>3.4 Reduce freight emissions</li> <li>3.5 Futureproof infrastructure</li> </ul>	<p style="text-align: center;"><b>Waste</b></p> <ul style="list-style-type: none"> <li>4.1 Reduce amount of waste</li> <li>4.2 Increase reuse, repair and recycling rates</li> <li>4.3 Move towards a circular economy</li> </ul>
<p style="text-align: center;"><b>Commercial &amp; Industrial</b></p> <ul style="list-style-type: none"> <li>5.1 Improve process efficiency</li> <li>5.2 Shift away from fossil fuels</li> <li>5.3 Grow the green economy</li> <li>5.4 Increase resilience to climate risks</li> </ul>	<p style="text-align: center;"><b>Natural Environment</b></p> <ul style="list-style-type: none"> <li>6.1 Increase tree planting</li> <li>6.2 Increase carbon storage</li> <li>6.3 Promote sustainable land management</li> <li>6.4 Reduce the impacts of extreme weather events and climate risks</li> </ul>	<p style="text-align: center;"><b>Energy</b></p> <ul style="list-style-type: none"> <li>7.1 Increase renewable energy generation</li> <li>7.2 Improve energy flexibility and storage</li> <li>7.3 Support increase in local community energy ownership</li> </ul>	<p style="text-align: center;"><b>Governance</b></p> <ul style="list-style-type: none"> <li>8.1 Decide responsibility</li> <li>8.2 Track action</li> <li>8.3 Monitor progress</li> <li>8.4 Report annually</li> </ul>

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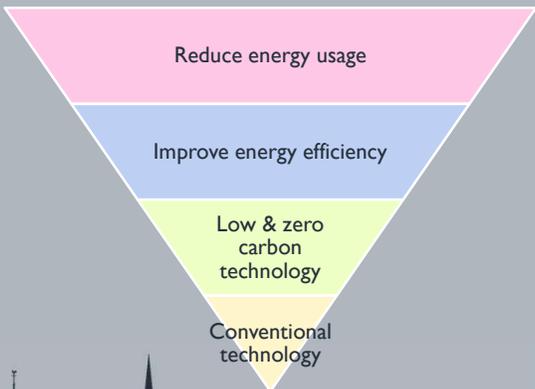
# Energy & Carbon Reduction

*All development will follow the Energy Hierarchy*

*Non-residential elements will achieve BREEAM Excellent (or equivalent) as a minimum*

*Residential elements will achieve an EPC 'A' rating*

*Council led residential elements will adhere to the York Housing Delivery Programme Design Manual – Passivhaus standards*



The diagram is an inverted pyramid divided into four horizontal sections. From top to bottom, the sections are: pink (Reduce energy usage), blue (Improve energy efficiency), light green (Low & zero carbon technology), and yellow (Conventional technology).

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## Building Solutions

*Inclusion of low carbon technology is under continuous review*

*Renewable generation included as a minimum (solar PV)*

*Combined Heat & Power (CHP) network ruled out due to reliance on fossil fuel*

*District Heat Network (DHN) with water-source heat pump as the energy source was ruled out as not considered commercially viable following feasibility study (Ramboll, 2017)*

**BUT**

*Potential for a publicly let DHN scheme or through use of Government programmes (Heat Network Delivery Unit & Green Heat Network Fund), which could make a DHN at York Central commercially viable*



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## Transport Solutions

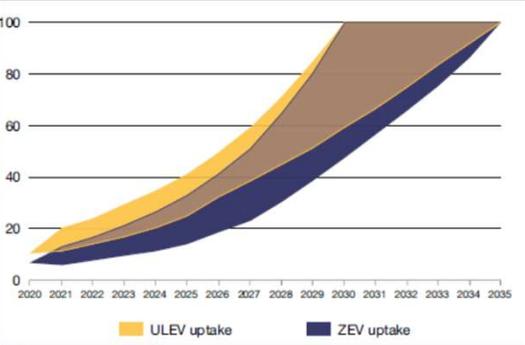
*Promotes sustainable modes of transport and reduces reliance on car usage*

*Street travel plan prioritises sustainable travel modes (walking & wheeling) – enhanced through proximity to public transport network*

*Street design provides primacy for pedestrians and integration of cycle routes into surrounding areas*

*Low levels of car parking provision intended to discourage car ownership and usage*

*Incorporation of electric vehicle charging infrastructure*



Potential pathway – Percentage of new car sales accounted for by Ultra Low Emission Vehicles (ULEVs) and Zero Emission Vehicles (ZEVs)  
Source: Transitioning to zero emission cars and vans: 2035 delivery plan



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