Kings Lynn & West Norfolk – 2017 District CO_2 Emissions Bubble

- An Overview of the 2019 BEIS Data

Borough Council of
King's Lynn &
West Norfolk

Background Information

BEIS = The Department of Business Energy & Industrial Strategy.

They publish local authority emissions data on a yearly basis.

Data is on a 2 year rotation, therefore they report on CO_2 emissions two years prior to the report data i.e. the 2019 publication reported 2017 CO_2 emissions.

The 2020 publication will report 2018 CO_2 emissions.

Emissions are allocated on an ‘end user’ basis, where emissions are distributed according to energy consumption. Emissions from goods production (apart from the energy industry) are allocated to where production takes place, which therefore, excludes imported goods.

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CO_2 Emissions Overview

- CO_2 emissions in 2017 totalled at 1,405.3 Kilo-tonnes (kt).
- Emissions are split into 4 sectors:

Sector	% Emissions	Notes
Industry & Commercial	50%	Several large industrial sites across the Borough, agriculture & old landfill sites etc
Domestic	17%	Not all housing use gas, many use oil or solid fuel for spacial heating
Transport	28%	Transport node; A10, A134, A17, A47, A149, A148 and rural area with many B roads
LULUCF emissions (Land Use & Forestry)	5%	Whilst many district have a CO_2 sink with forestry, we like other fen districts are a net CO_2 contributor mainly due to methane/CO_2 emissions from the fen peat deposits

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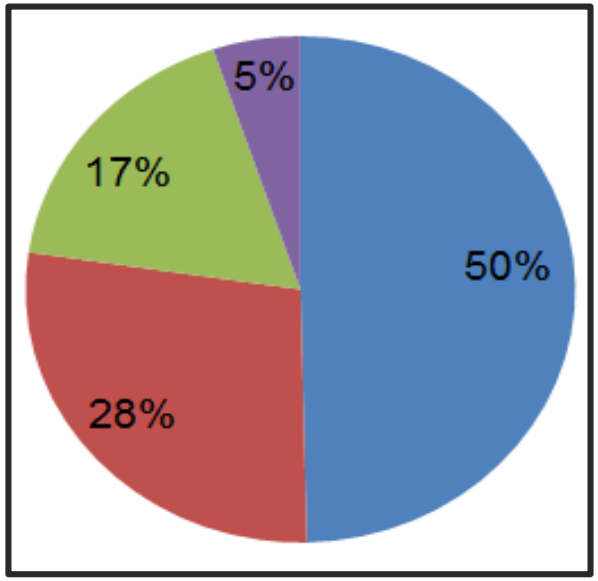
CO_2 Emissions Overview

- CO_2 emissions from each sector are listed below.
- Their percentage contribution to district emissions are portrayed in the pie chart.

	CO2 Emissions (kt)	
Sector	2017	% Total
Industrial and Commercial	697.5	50%
Road Transport	389.4	28%
Domestic	245.9	17%
LULUCF	72.5	5%
Total	1,405.3	



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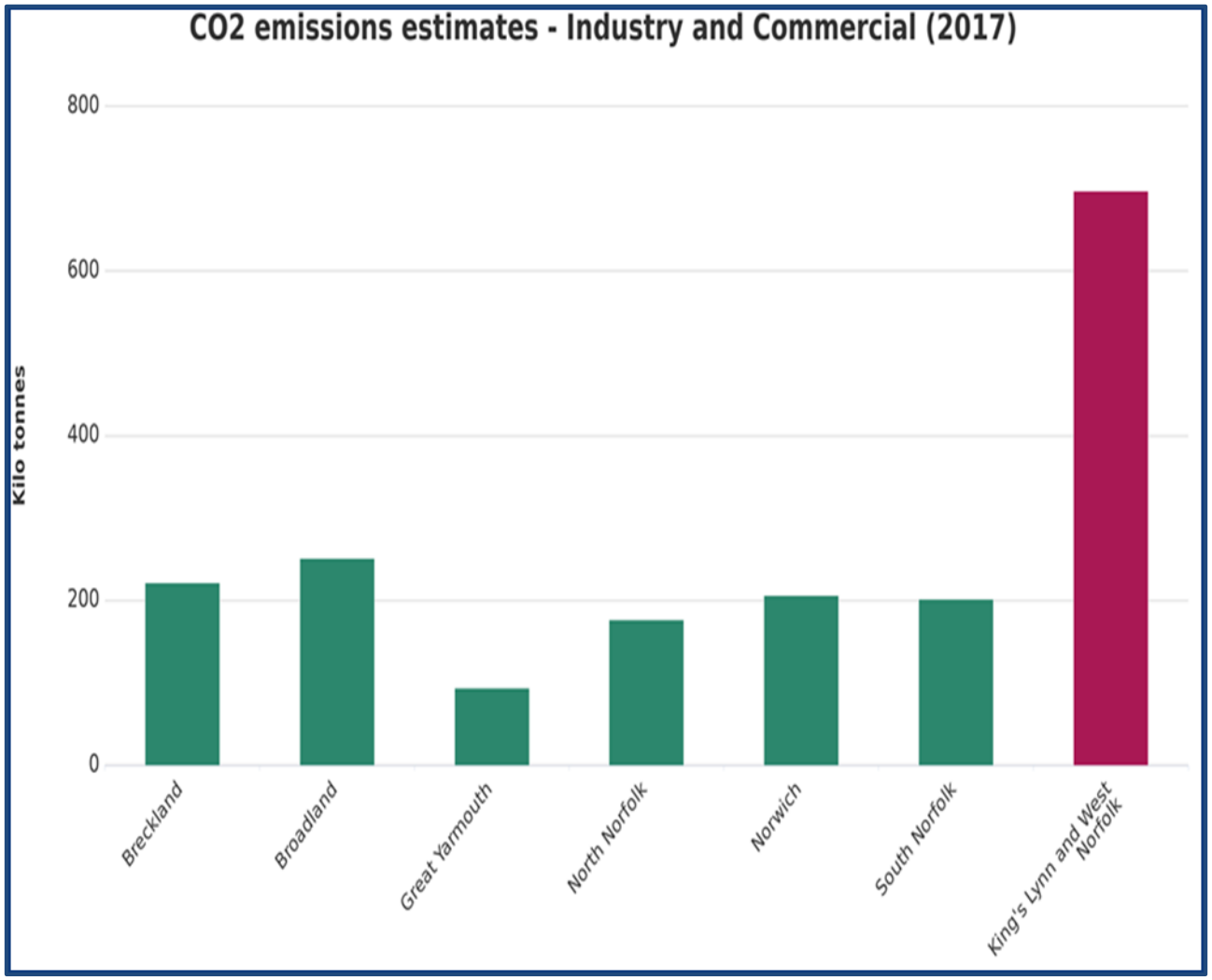
District Comparisons



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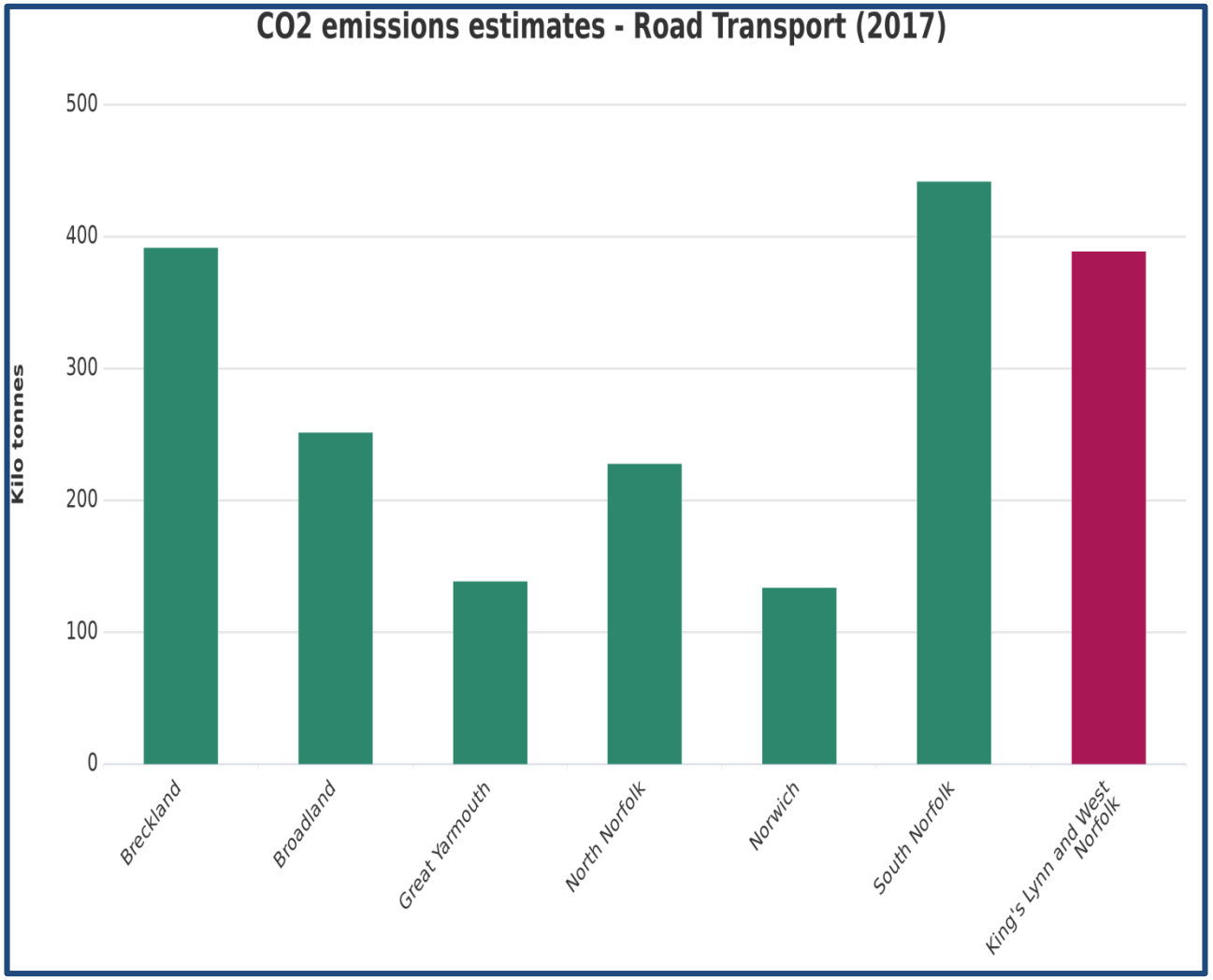

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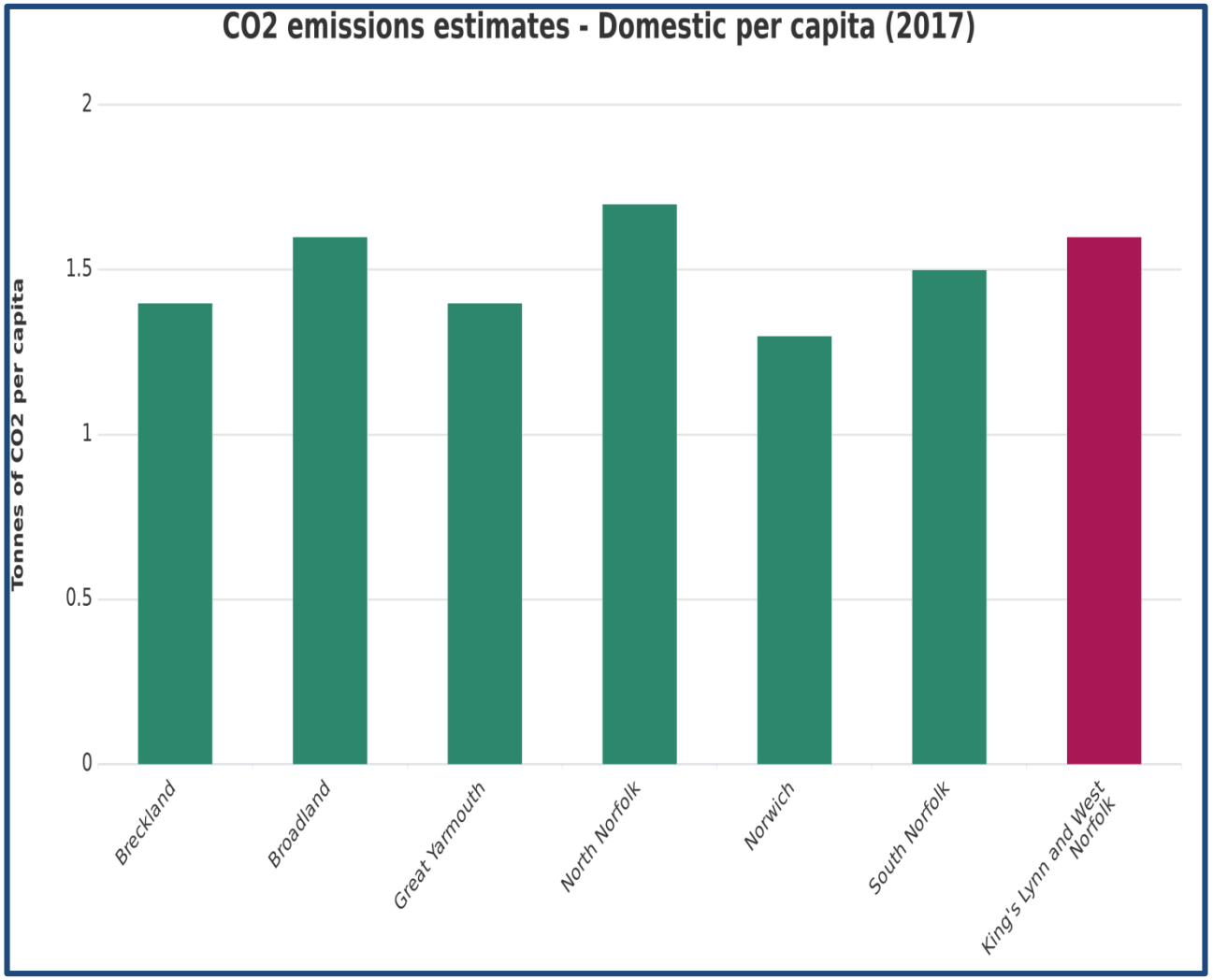

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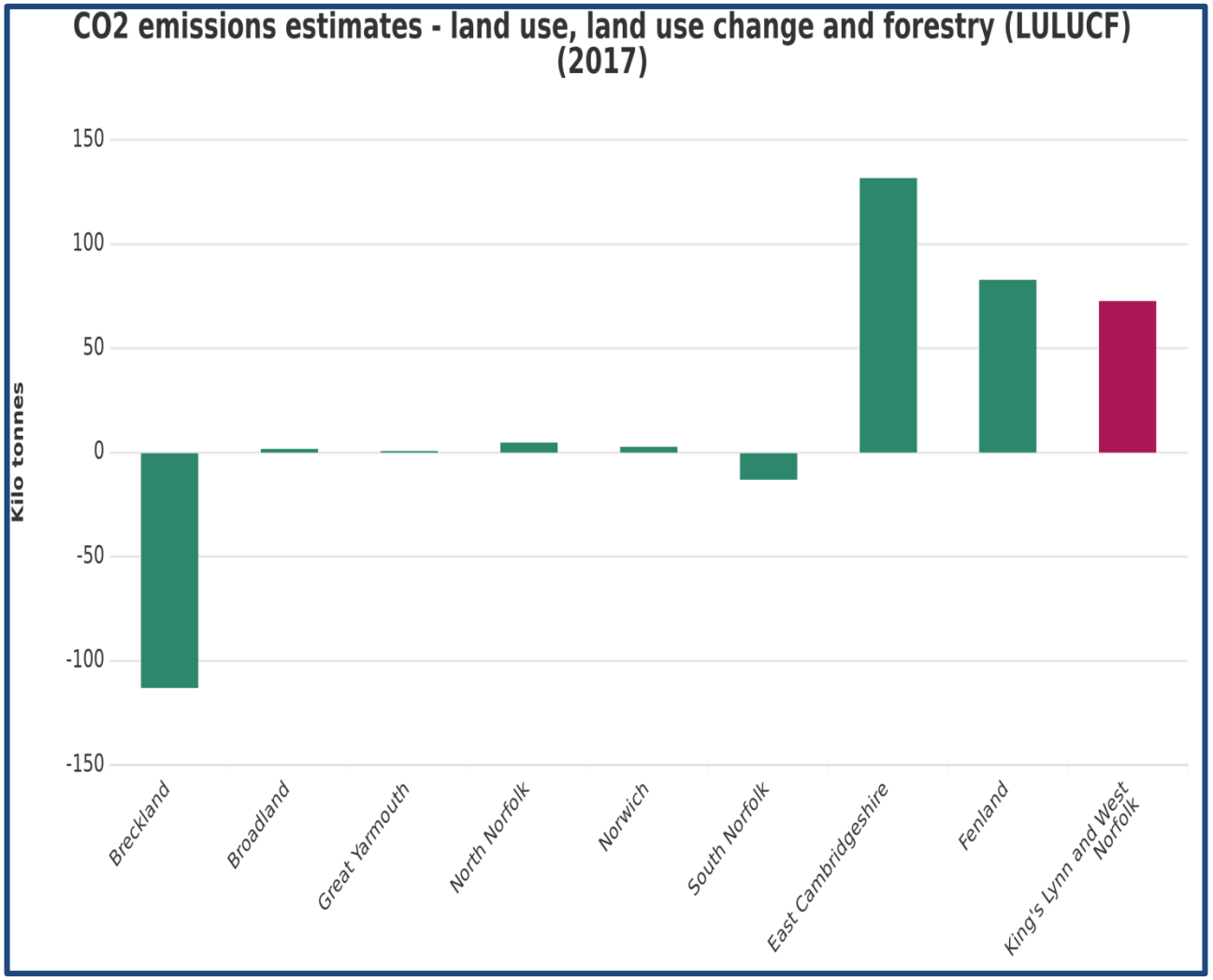
District Comparisons



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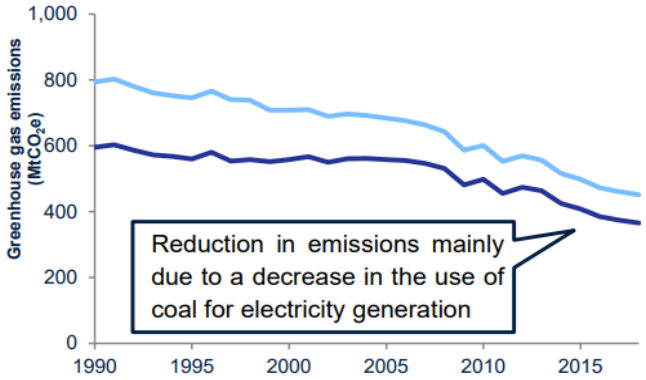
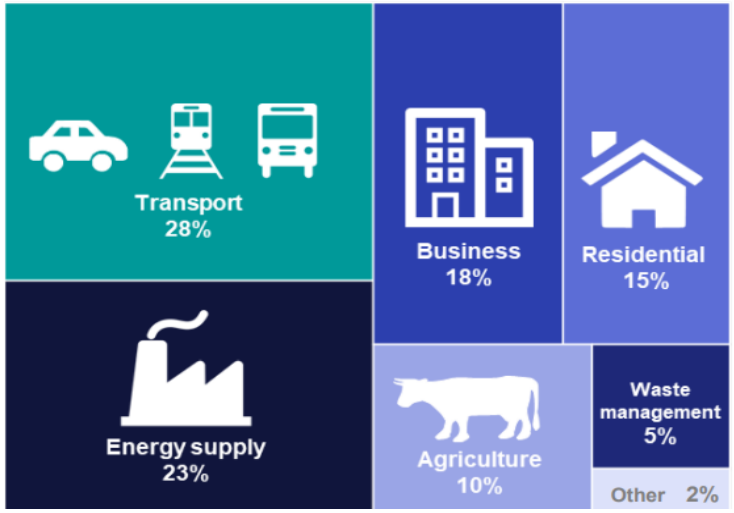
2018 UK Wide Greenhouse Gas Emissions

2018 UK territorial greenhouse gas emissions have decreased by 2% from 2017



	2018 emissions ($MtCO_2e$)	2017-2018 % change	1990-2018 % change
Total greenhouse gas emissions	451	2%	43%
Carbon dioxide emissions	366	2%	39%

Transport was the largest emitting sector of UK greenhouse gas emissions in 2018



Energy supply delivered the largest reduction in emissions from 2017 to 2018

	2017-2018 % change	1990-2018 % change
Transport	1%	3%
Energy supply	7%	62%
Business	3%	31%
Residential	4%	14%
Agriculture	1%	16%
Waste management	1%	69%
Other	8%	89%

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