Norwich City Council

HECA Report 2021

CEEEP 18th

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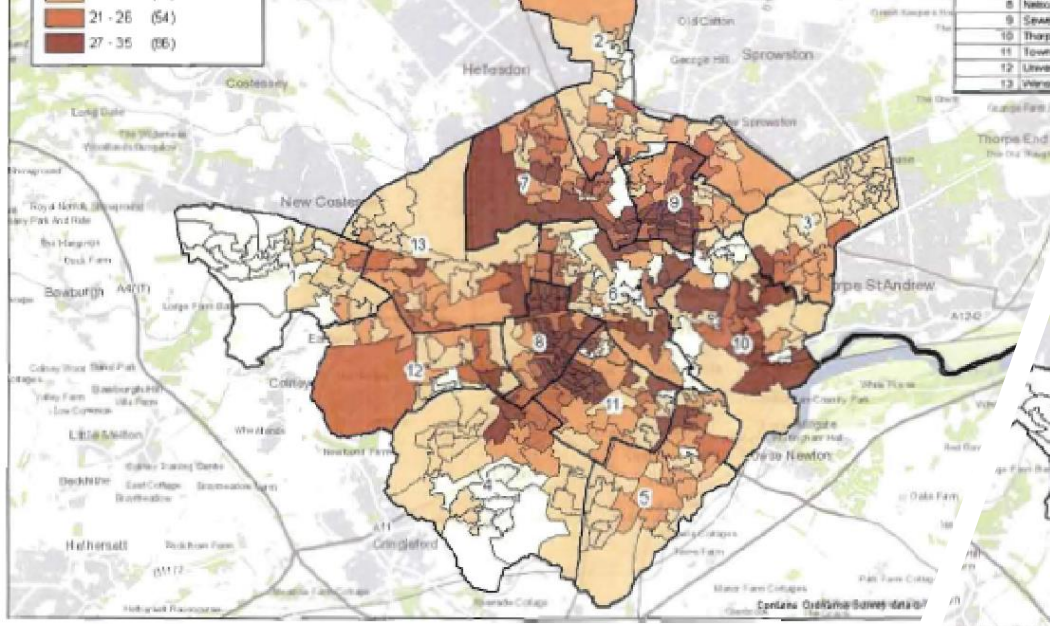
NCC Fuel Poverty and Energy Officer

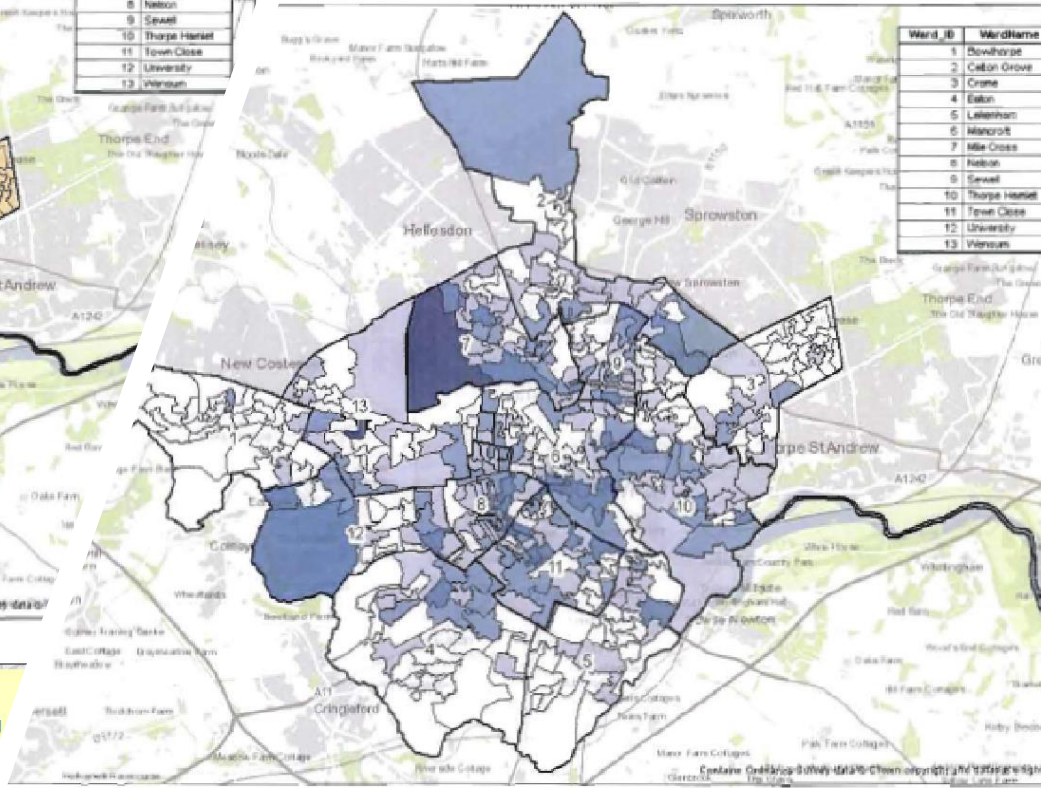
What is the HECA?

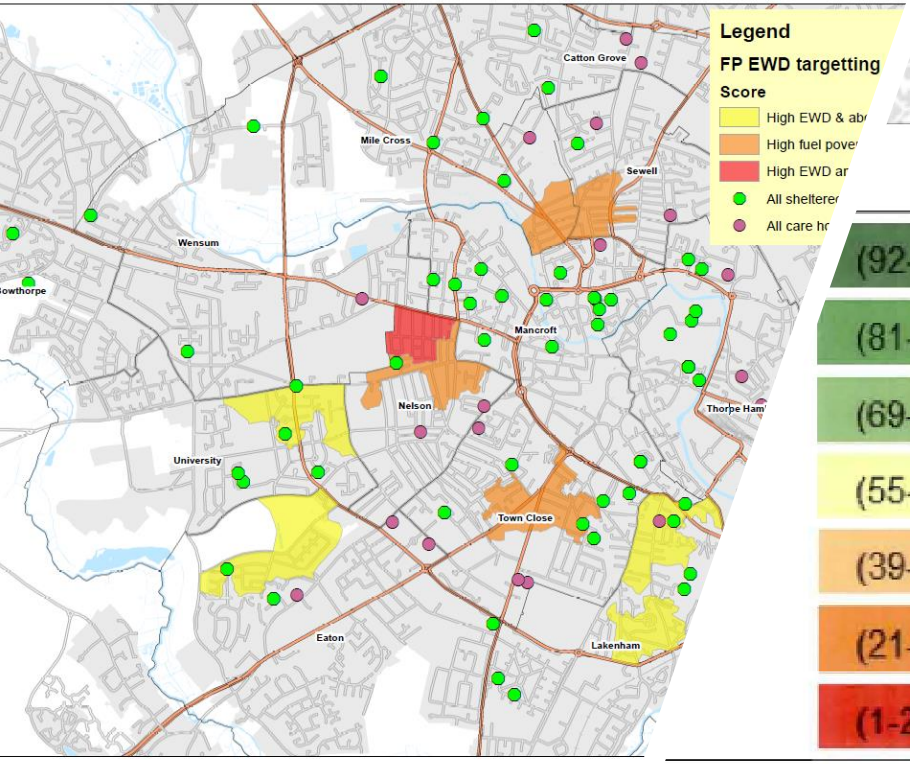
- The HECA is a compendium of various data sources.
- The HECA shows what momentum has been achieved across various indicators including NCC delivery in respects to home energy efficiency in Norwich
- This new report gives an update on the past two years work and our planned work for the next two years.
- The HECA is a statutory document.

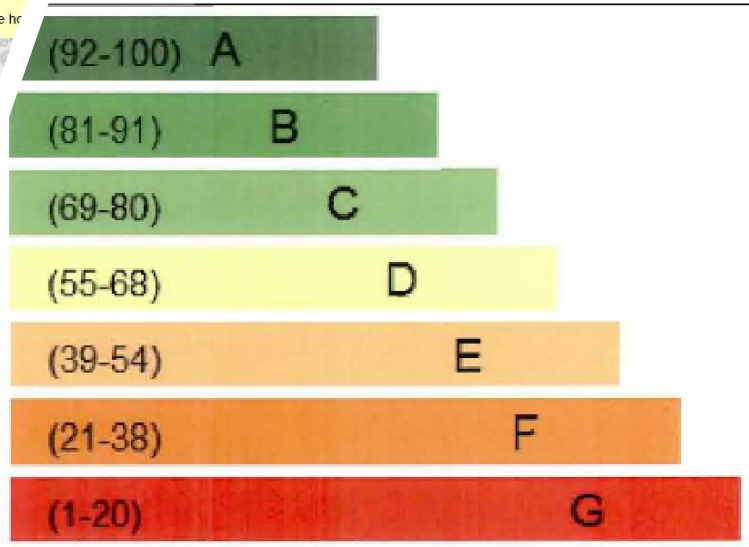
The state of the city

- SAP rating across council homes is 70.9
- Private Sector SAP 63
- City wide emissions continue to decrease
- Fuel poverty continues to decrease
- Energy cost continue to rise
- Measures are being installed despite Covid-19
- Governments scheme fails homeowners
- Covid-19 / Green economy
- 11.1% of homes are fuel poor



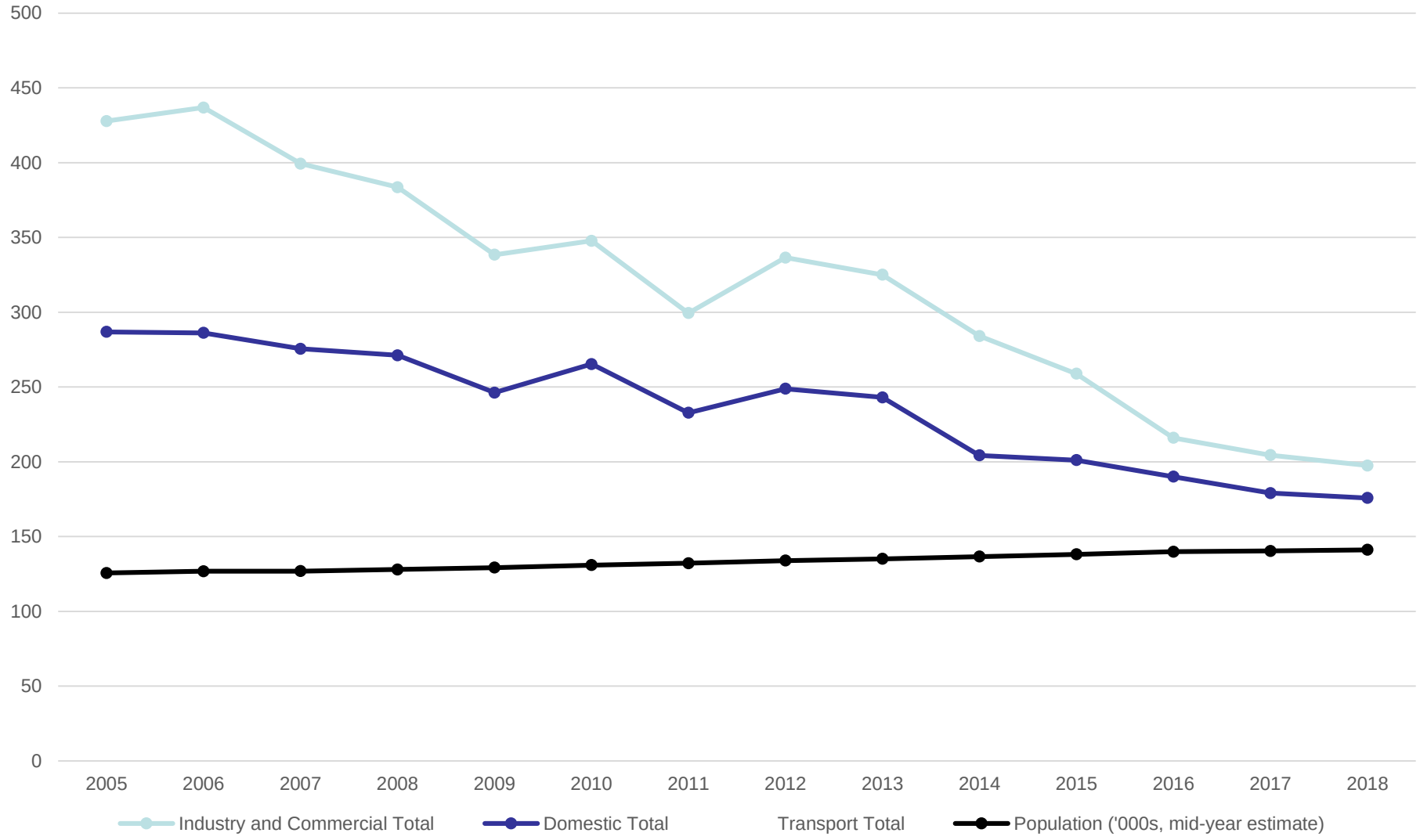




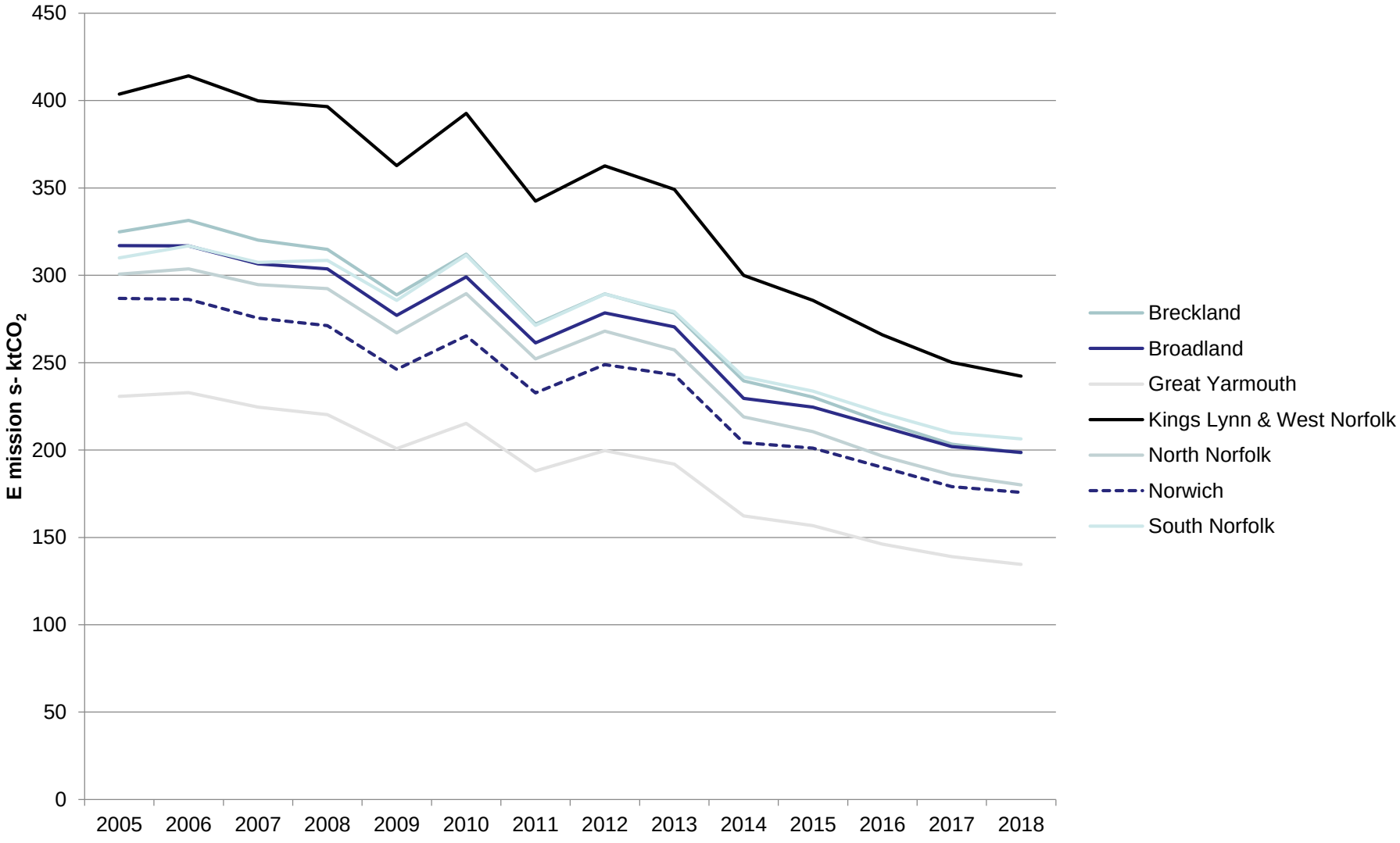


	Count	Percent
A (92-100)	0	0%
B (81-91)	122	<1%
C (69-80)	4,281	10%
D (55-68)	13,726	32%
E (39-54)	18,846	44%
F (21-38)	5,424	13%
G (1-20)	478	1%

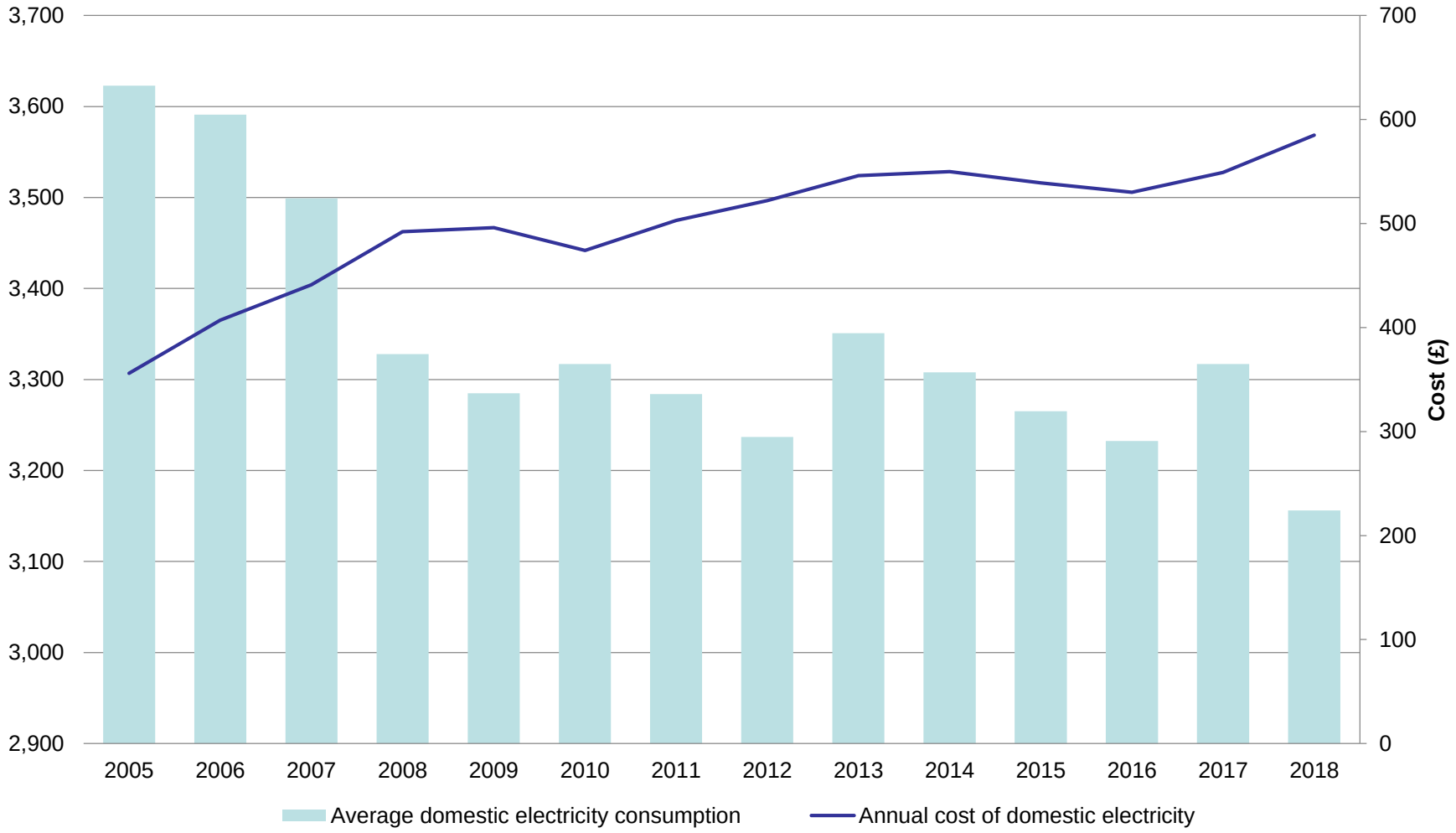
Norwich carbon emissions against population size 2005-2018

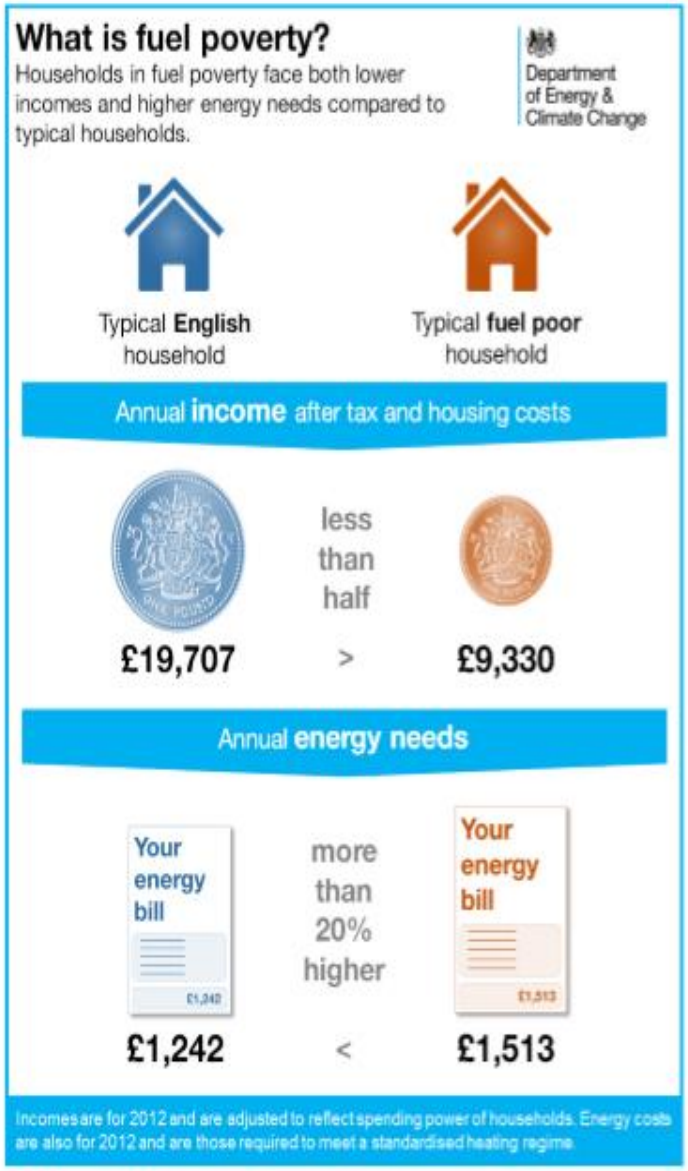


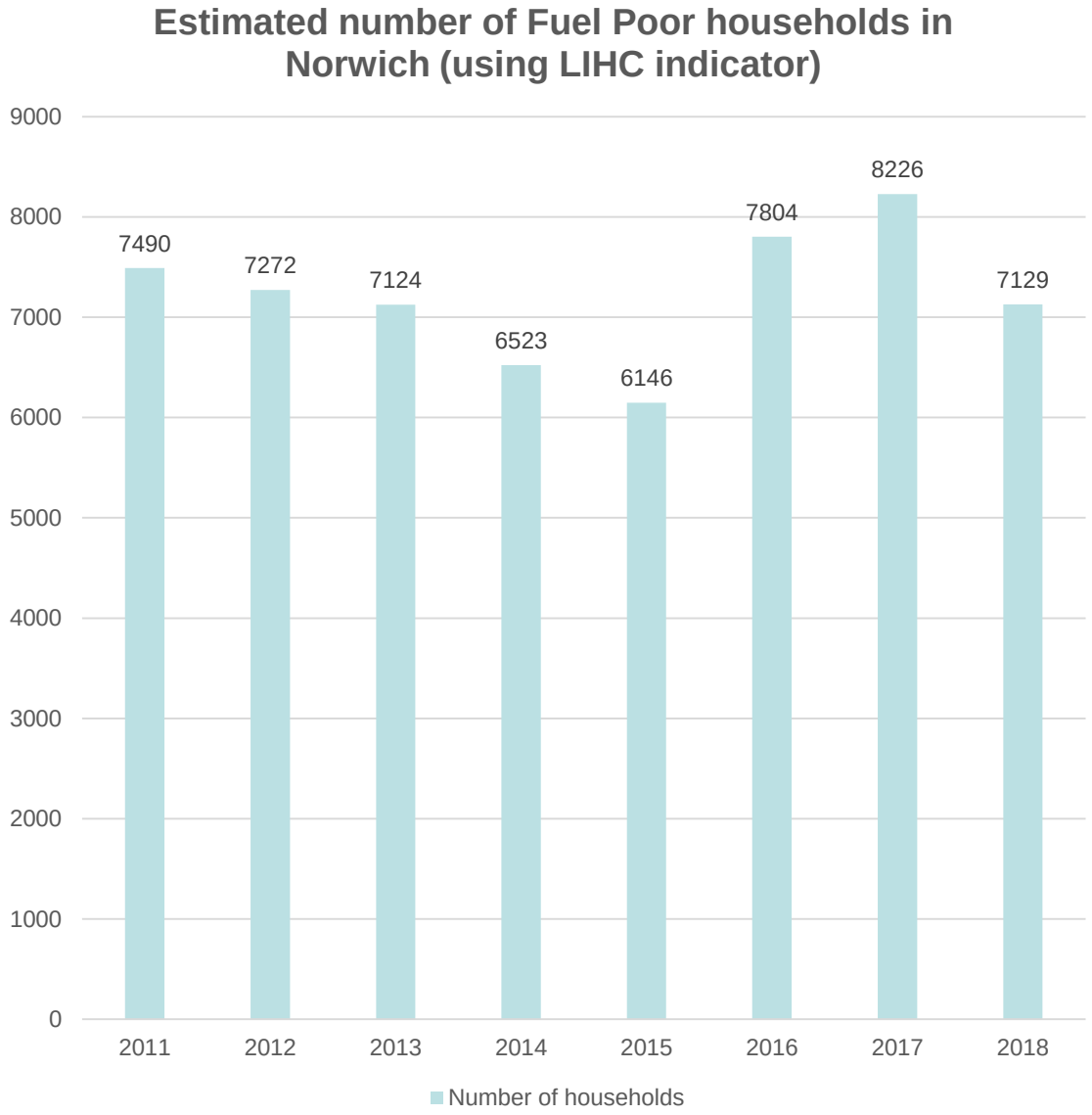
Domestic CO_2 emissions across Norfolk local authorities



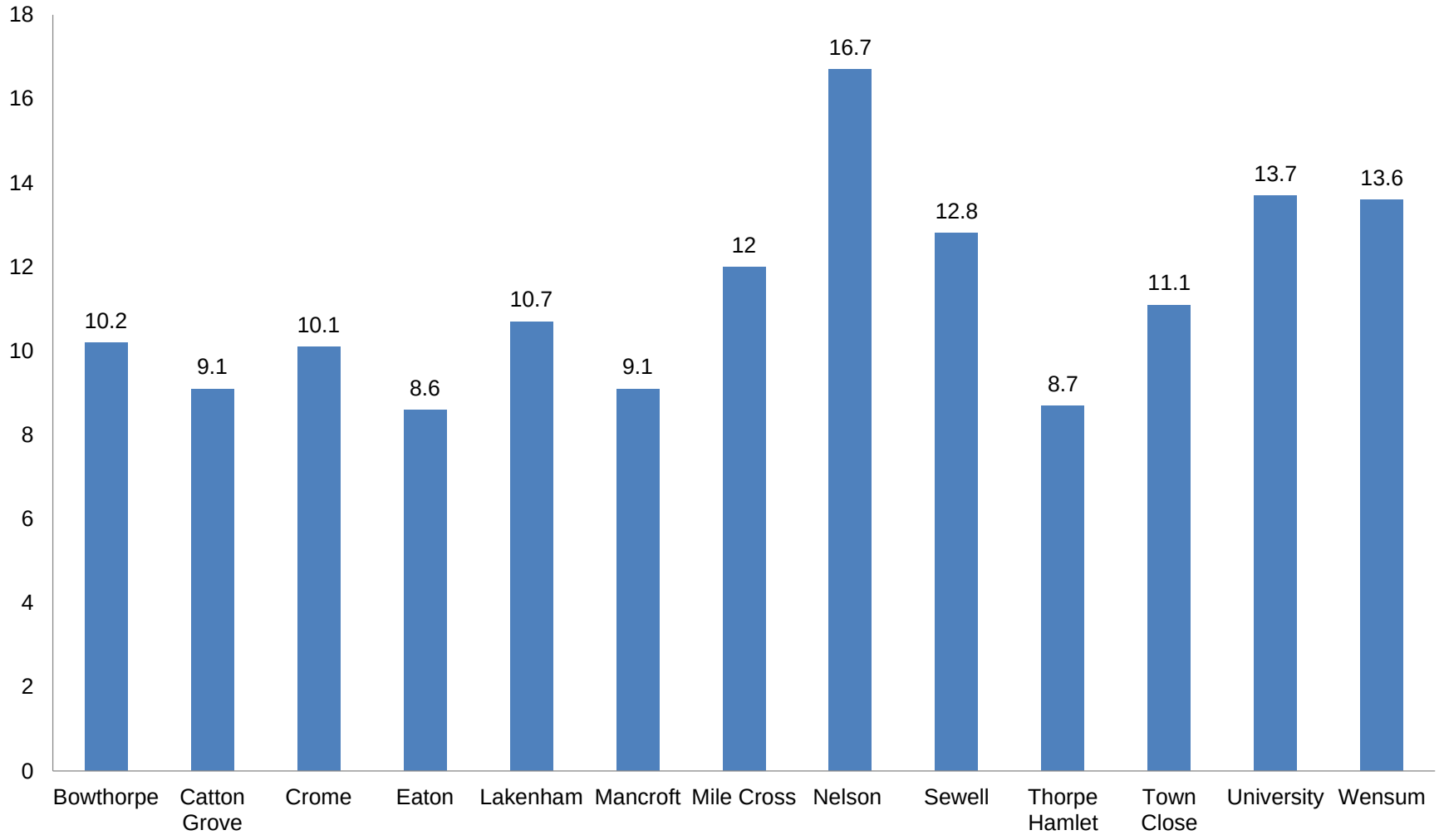
Norwich domestic electricity consumption (kWh) vs annual cost of domestic electricity (£)




What is fuel poverty?
Households in fuel poverty face both lower incomes and higher energy needs compared to typical households.
Department of Energy & Climate Change
Typical English household
Typical fuel poor household
Annual income after tax and housing costs
less than half
£19,707
>
£9,330
Annual energy needs
Your energy bill
more than 20% higher
Your energy bill
£1,242
<
£1,513
Incomes are for 2012 and are adjusted to reflect spending power of households. Energy costs are also for 2012 and are those required to meet a standardised heating regime.


Estimated number of Fuel Poor households in Norwich (using LIHC indicator)
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
7490
7272
7124
6523
6146
7804
8226
7129
2011
2012
2013
2014
2015
2016
2017
2018
Number of households

Norwich - Percentage of households in Fuel Poverty by ward

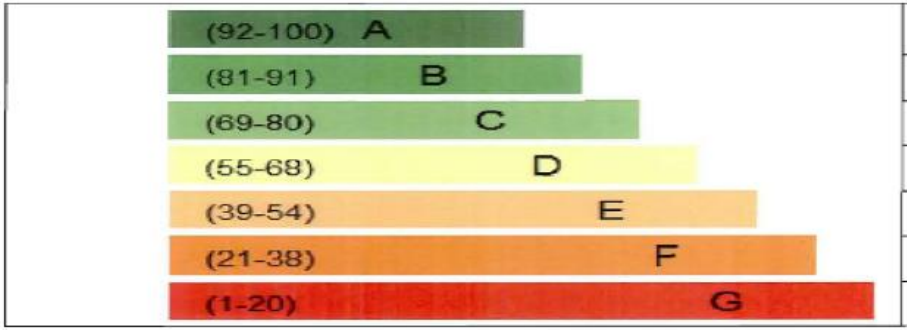


National Targets

- Central government aims to upgrade as many fuel poor homes as reasonably practicable to Band C by the end of 2030
- There is an estimated £1.7 billion funding gap to meet this target
- We estimate retrofitting homes in Norwich could cost £295 - £511 million.

Grade C or Better Retrofit

- Solid wall Internal: £295 Million
- Solid Wall External £511 Million
- Solar PV £134 million
- Battery £230 million
- Heat Pumps £538 million
- Energiesprong £1.5 billion



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Our Key Achievements

- Stirling Prize
- Further 2,000 switches through the Big Switch and Save
- New renewable energy big switch
- Further efficiency measures installed through Cosy City
- Council housing energy efficiency increased
- Further Solar Together schemes including battery storage
- Roar Power live
- Fall in CO_2 emissions
- Passive Homes
- Grant funding
- Enforcement

RIBA Stirling Prize

solar together

roar power
For people and planet

Norwich BIG SWITCH AND SAVE

COSY CITY
HEATING HOMES, CUTTING COSTS

THE THEMES

A CREATIVE CITY

Norwich is a place where culture and creativity play an important part in how the city feels about itself and others perceive it. In 2040, Norwich will be world-renowned for its creativity – a leader in innovation, culture, education and invention.

A LIVEABLE CITY

The city takes pride in being a place with a great local environment that people value. We are committed to shifting to clean energy by 2040 (carbon-neutral by 2050). We will support and promote sustainable living – where today's citizens meet the needs of the present without compromising future generations.

A FAIR CITY

Norwich is a place where many already enjoy a great quality of life. By 2040, the health, wellbeing and life chances of all our citizens will be improved. We will remove barriers to achievement and a high standard of living will be enjoyed by everyone.

A CONNECTED CITY

At the heart of any good city is how well it connects with both its citizens and the world at large. In 2040, Norwich will have a modern transport system, be at the forefront of digital connectivity and create opportunities for all residents to link with each other.

A DYNAMIC CITY

Today Norwich has two successful universities and thriving life sciences, creative, tech, leisure and retail sectors. In 2040, Norwich will be a place where entrepreneurs, social enterprises, national and global companies choose to provide good jobs, prosperity and success.

NEXT STEPS