



Norwich City Council HECA Report 2021

CEEEP 18th

Rachel Sowerby

NCC Fuel Poverty and Energy Officer



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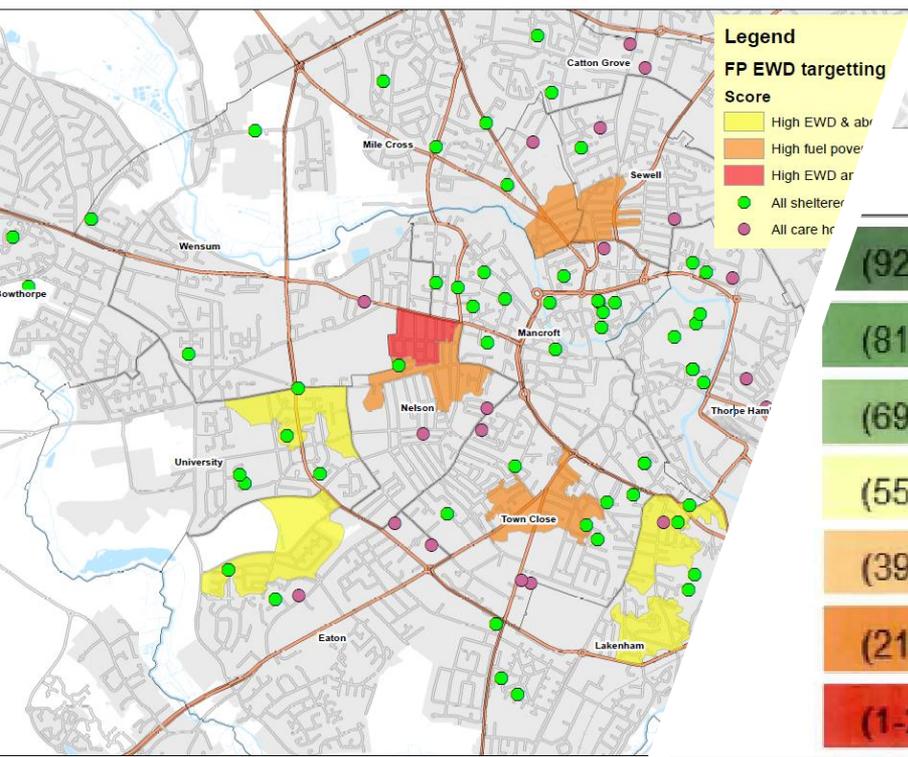
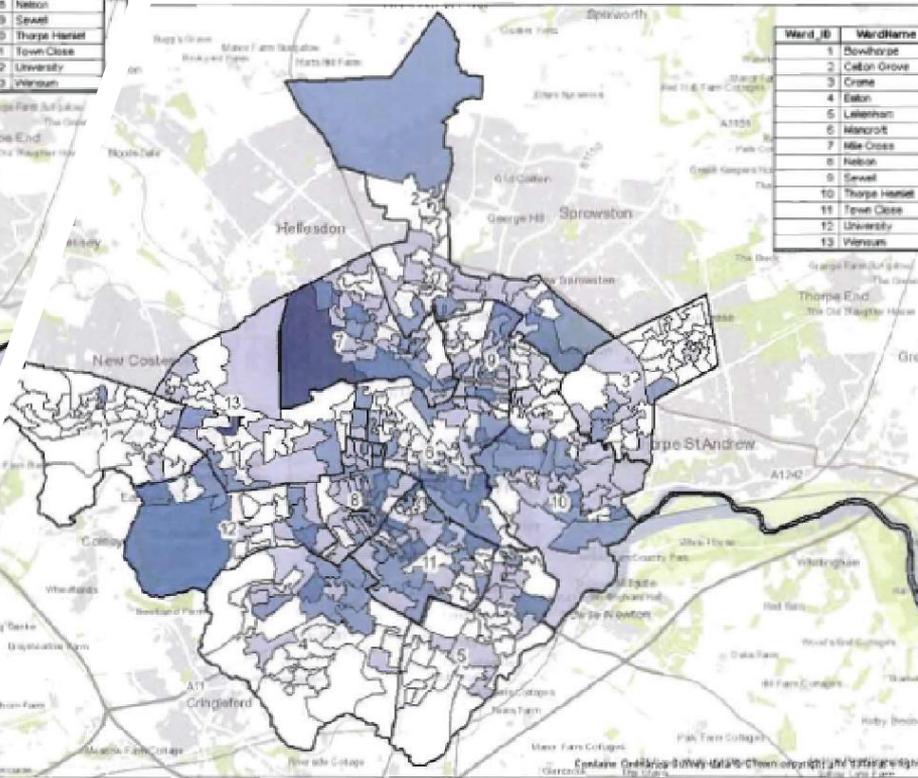
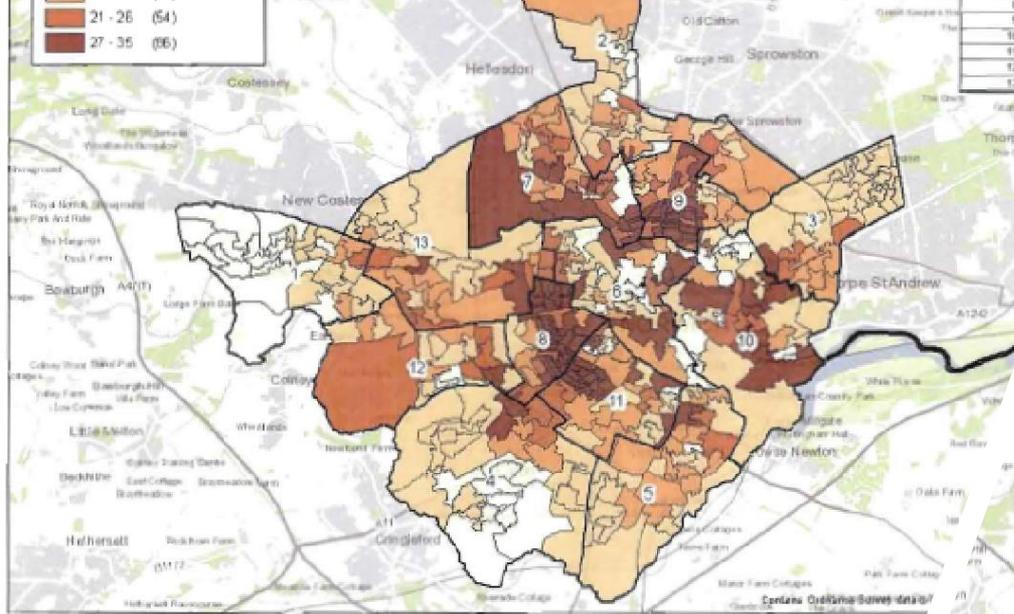
What is the HECA?

- 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

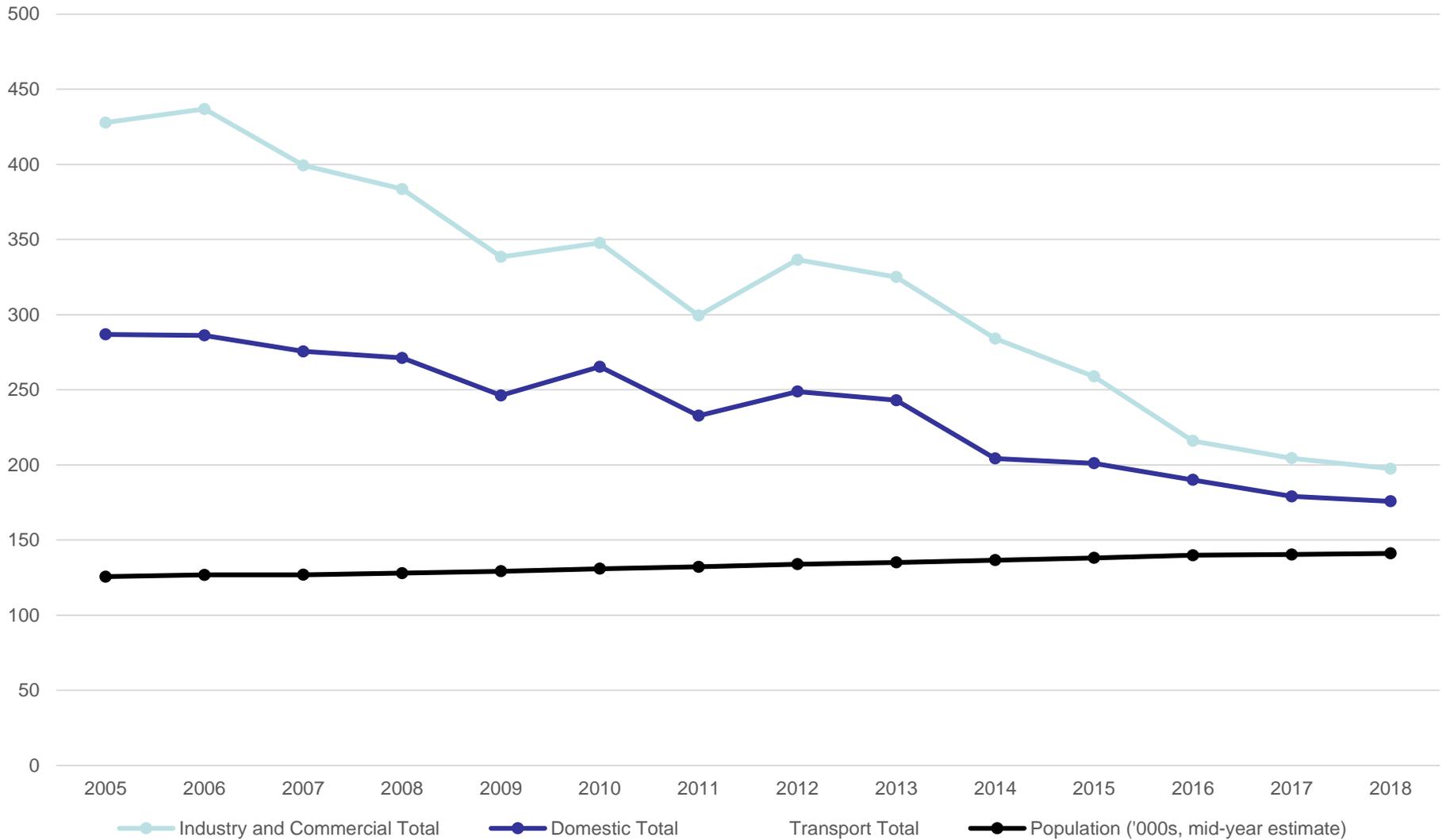
- SAP rating across council homes is 70.9
- Private Sector SAP 63
- City wide emissions continue to decrease
- Fuel poverty continues to decrease
- Energy cost continue to rise
- Measures are being installed despite Covid-19
- Government's scheme fails homeowners
- Covid-19 / Green economy
- 11.1% of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



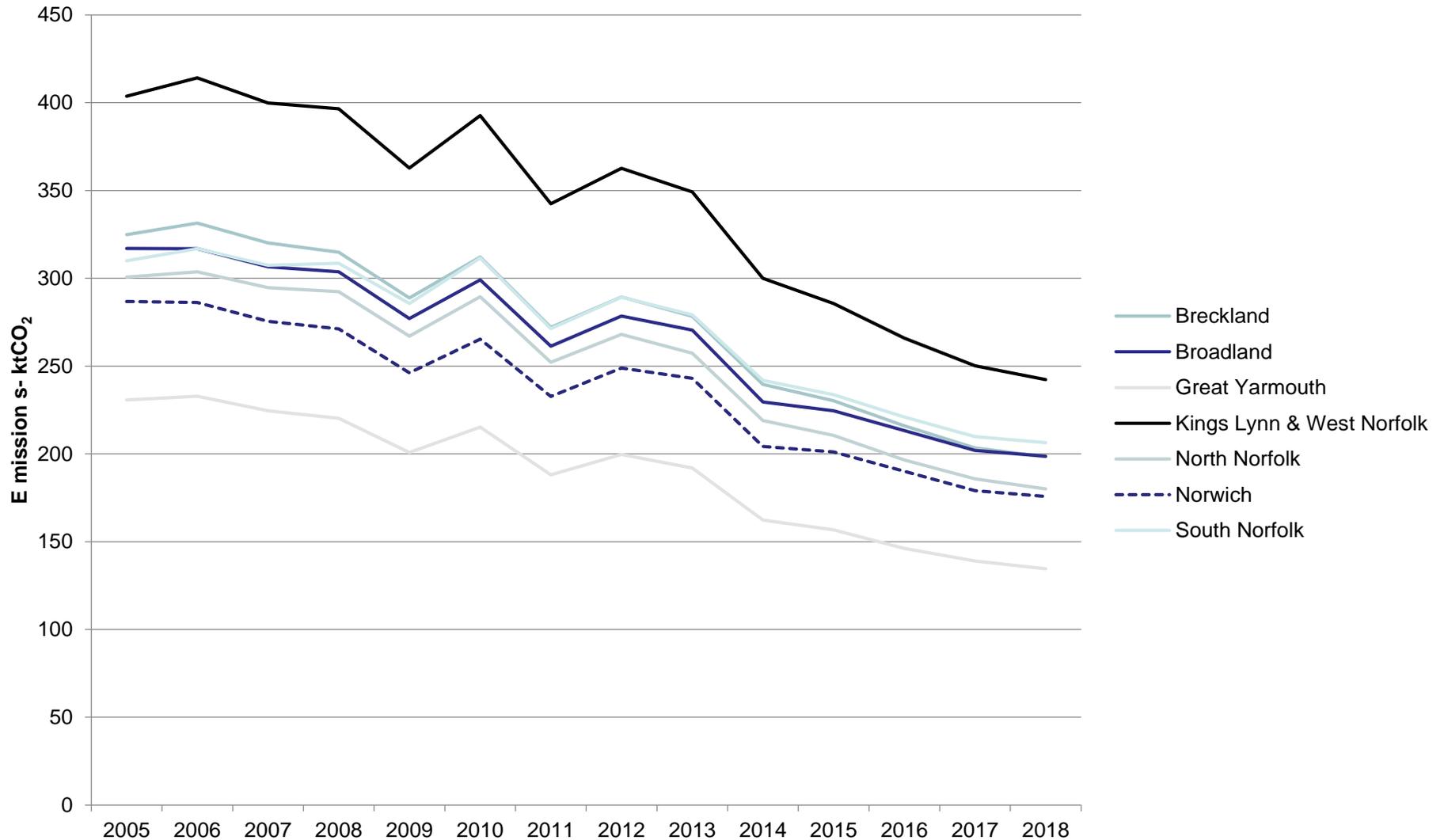
Legend
FP EWD targeting Score
 High EWD & abv
 High fuel pover
 High EWD ar
 All shelterer
 All care hr

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

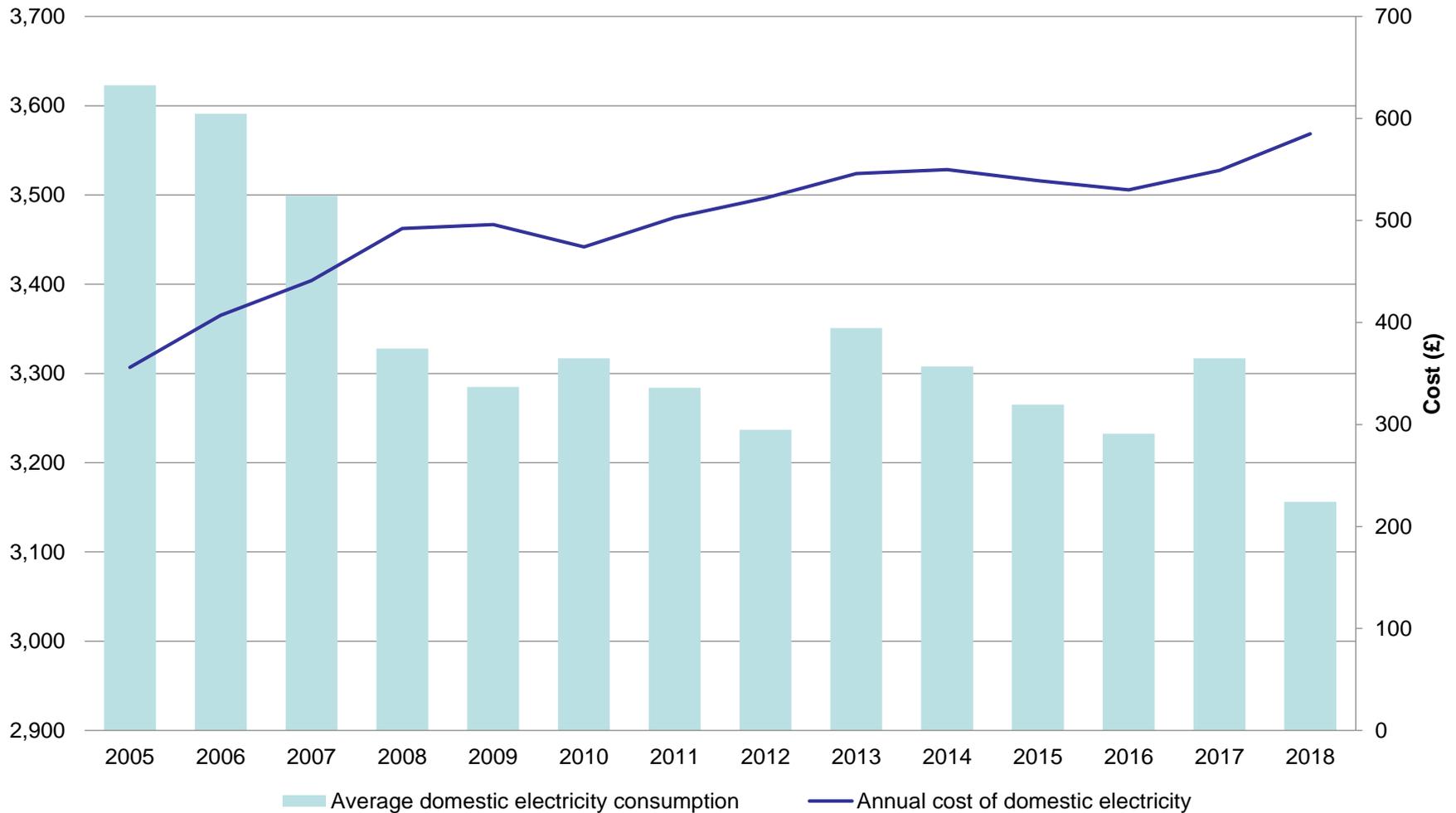
Norwich carbon emissions against population size 2005-2018



Domestic CO₂ 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.



Typical **English** household



Typical **fuel poor** household

Annual **income** after tax and housing costs



£19,707

less than half

>



£9,330

Annual **energy needs**



£1,242

more than 20% higher

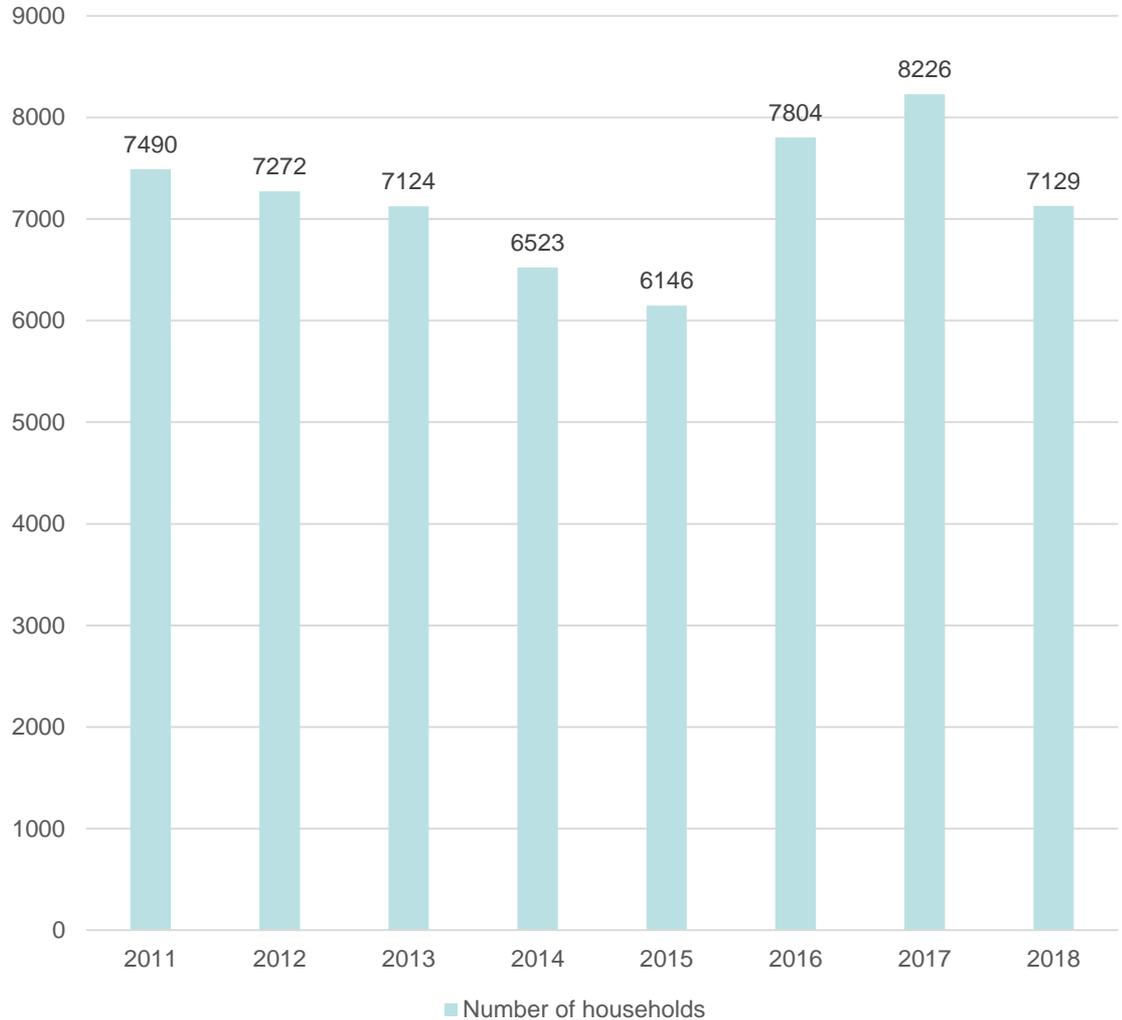
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£1,513

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)

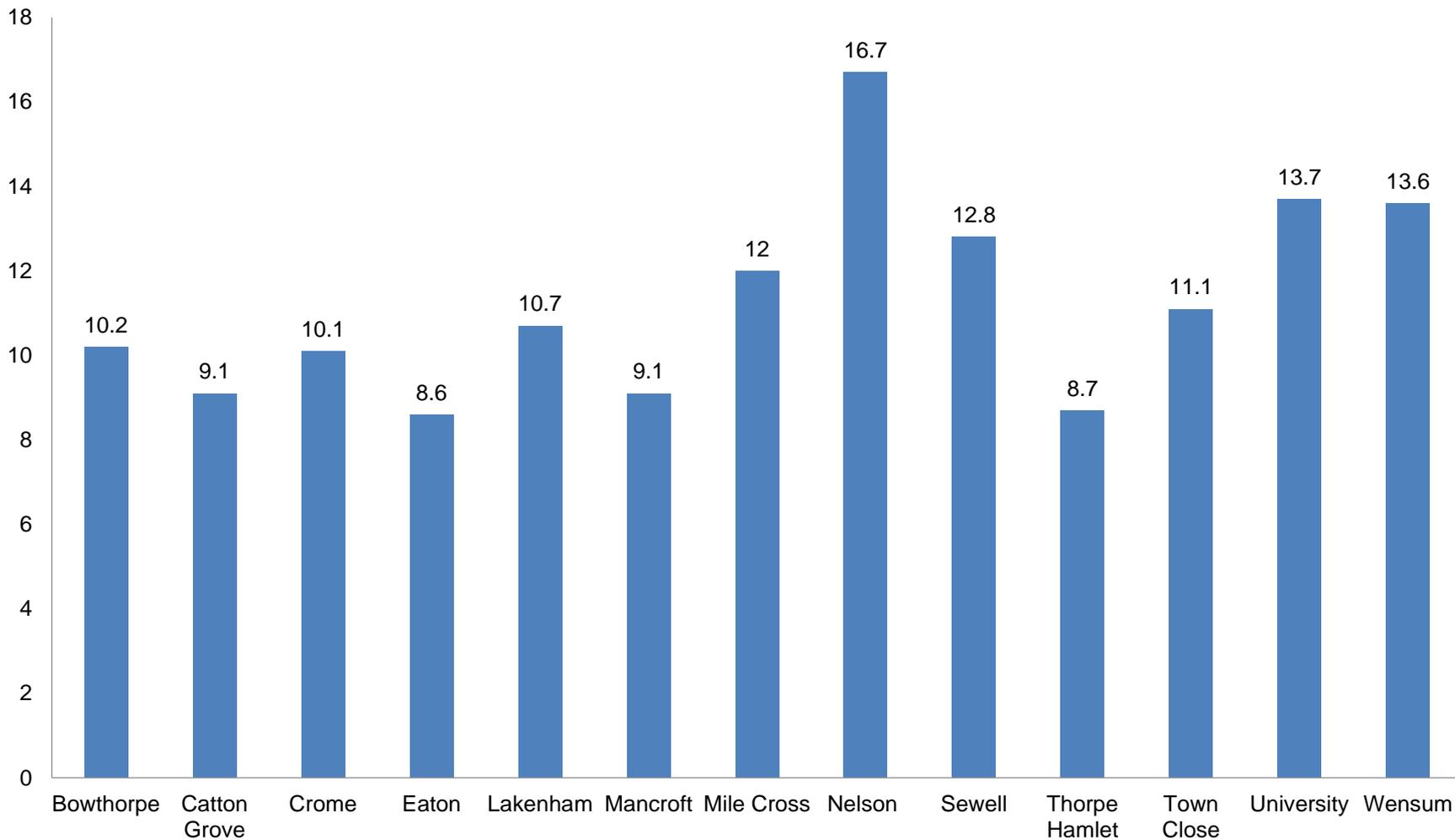


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Norwich - Percentage of households in Fuel Poverty by ward



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



	Count	Percent
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(81-91) B	122	<1%
(69-80) C	4,281	10%
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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 CO₂ emissions
- Passive Homes
- Grant funding
- Enforcement

RIBA 
Stirling Prize



Norwich **BIG SWITCH AND SAVE**



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