

#### Area 4 (Arboretum, Dunkirk and Lenton, and Radford and Park).

% homes in Fuel Poverty by Ward	2010	2012	2013	2014	2015	2016	2016 ranking by ward (1 highest)	% homes let by private landlord -
Dunkirk and Lenton	24.3	31.3	22.0	21.0	30.2	24.1%	1st	55.1%
Arboretum	27.0	28.7	19.5	17.4	19.8	16.3%	5th	40.4%
Radford & Park	20.7	19.4	16.9	15.5	20.3	15.8%	6th	46.7%
Nottingham average	21.7	18.4	14.0	12.6	15.8	14.6%		

Source: Home Energy Conservation Act report.

#### Energy activities:

- The three wards have high levels of private rented housing and a close correlation exists between the private rented sector and fuel poverty.
- Selective Licencing commenced from 1st August 2018 and will include the enforcement of Minimum Energy Efficiency Standard (MEES). The impact of both has led to a 63% increase in Energy Performance Certificates within Nottingham City during July-Sept 2018.
- All rented homes that are not Houses in Multiple Occupation of listed buildings require an EPC. The increase is due to renew EPCs that are 10 years old at the next re-letting as EPC were first required 1st October 2008.
- Awareness with landlords is already being raised through the Nottingham Landlords' Forum
- MEES requires:  
From 1st April 2018 private rented homes needing an EPC to be a minimum of an E. Without a registered exemption, F and G properties cannot be re-let once the current tenancy ends.  
From 1st April 2020, without a registered exemption no tenancies can continue if a property is rated an F and G.

MEES aims to lift PRS above 38 SAP energy rating by 2020 and expected to be extended to above 54 SAP by 2025.

Average SAPs in NG7 are already above 54 SAP.

Sample survey of private rented EPCs by postcodes within the city. Ranked from the lowest. EPCs from 2008 to September 2016.	
NG7	57.6
NG8	58.0
NG2	58.3
NG6	59.2
NG3	59.6
NG5	60.4
Citywide average	62.3
NG9	70.5
NG1/NG11	70.7

- Week of Action in Radford of leafleting of parents at school gates of the four primary schools in Radford. This has been undertaken on two years.
- Leafleting of homes in areas with higher levels of non-student homes such as Gregory Boulevard to Bentinck Road, Alfreton Road to Hartley Road, Ben Street area etc. Students have completely different eligibility such as £140 warm home discount, Energy Company Obligation grants etc.
- Events have been held in the area such as Bridlington Street play area, Hyson Green market, St Paul's Terrace etc.
- ECO house in a Housing Revenue Account house at 35 St Pauls Terrace in Arboretum ward. This operated community events until 2017.

- Mary Potter joint service centre has been used for displays and energy leaflets since it was built.
- Targeting of Housing Revenue Account tower block and deck access with leaflet holders has occurred annually over last 5 years.
- Suitable homes needing insulation are included on awareness lists to ECO contractors. ECO has delivered 18,024 ECO measures 2013 to June 2018 in Nottingham. Central Government has shared no data on insulation measures at SOA level since 2011.
- ECO LAFlex since Feb 2018 seen 250 private sector applications approved of which 22 in Radford and The Park, 8 in Arboretum, 2 in Dunkirk and Lenton. These have been for Room in Roof insulation, cavity wall insulation, loft insulation. ECO3 LAFlex started 1<sup>st</sup> October 2018 and ECO installers are slowly securing allocations from energy supply companies. ECO3 requires benefits or low income and vulnerable to cold/fuel poverty.

9 super output areas in the 3 wards are in the top 15 citywide for fuel poverty.

All have seen significant reduction in fuel poverty.

Citywide ranking	Hotspots of Fuel Poverty at super output level			FP 2016 %	FP Change 2015 to 2016
2 <sup>nd</sup> from 1 <sup>st</sup>	Dunkirk & Lenton	E01033410	Lenton Boulevard to City Road	29.3%	<b>Down 7.9%</b>
3 <sup>rd</sup> from 5 <sup>th</sup>	Radford & Park	E01013953	Cottesmore Road to Cycle Road	27.7%	<b>Down 5.2%</b>
4 <sup>th</sup> from 6 <sup>th</sup>	Dunkirk & Lenton	E01033408	Harlaxton Drive to Willoughby Street	27.3%	<b>Down 4.8%</b>
5 <sup>th</sup> from 2 <sup>nd</sup>	Dunkirk & Lenton	E01013928	Claude Street to Cloister Street	26.2%	<b>Down 10.1%</b>
7 <sup>th</sup> from 13 <sup>th</sup>	Arboretum	E01013812	Bentinck Road to Brushfield Street	24.4%	<b>Down 3.5%</b>
8 <sup>th</sup> from =10 <sup>th</sup>	Radford & Park	E01013945	Player Street/Hartley Rd/Garfield Rd	24.2%	<b>Down 4.8%</b>
11 <sup>th</sup> from 12 <sup>th</sup>	Radford & Park	E01033404	Lenton Sands Bute Ave to Canning Cir	22.7%	<b>Down 6.0%</b>
12 <sup>th</sup> from 15 <sup>th</sup>	Arboretum	E01013811	St Paul's Avenue to Maples Street	22.4%	<b>Down 3.7%</b>

Source: Home Energy Conservation Act report.

Falling gas and electricity usage has been seen in the three wards, exception of a rise in gas usage in Radford and Park. No data exists on the temperature levels in these homes on whether this is improved efficiency or under heating.

However, in the hot spots of fuel poverty we have seen at the super output areas gas usage marginally increasing.

Ward	% fall in average gas use 2010-2016	Average domestic gas consumption per meter (kWh per meter)						
		2010	2011	2012	2013	2014	2015	2016
Dunkirk & Lenton	<b>down 12.8%</b>	14,515	13,531	13,237	13,379	13,258	13,363	12,647
Arboretum	<b>down 11.1%</b>	12,818	12,079	11,456	11,437	11,395	11,391	11,372
Radford & Park	<b>Up 6.4%</b>	11,625	13,505	12,694	12,551	12,294	12,330	12,376

Source: Home Energy Conservation Act report.

Ward	% fall in average electricity use 2010-2016	Average domestic electricity consumption (kWh per meter)						
		2010	2011	2012	2013	2014	2015	2016
Dunkirk & Lenton	<b>Down 21.8%</b>	4,853	4,376	4,263	3,997	4,053	3,839	3,791
Radford & The Park	<b>Down 12.0%</b>	4,058	3,666	3,675	3,682	3,532	3,578	3,571
Arboretum	<b>Down 8.7%</b>	3,554	3,516	3,439	3,299	3,385	3,273	3,243

Source: Home Energy Conservation Act report.

	<b>Fuel Poverty hotspots and changing fuel usage</b>			Mean gas change 2015-2016	Mean electricity change 2015-2016
2 <sup>nd</sup> from 1 <sup>st</sup>	Dunkirk & Lenton	E01033410	Lenton Boulevard to City Road	<b>Up 1.7%</b>	<b>Down 3.6%</b>
3 <sup>rd</sup> from 5 <sup>th</sup>	Radford & Park	E01013953	Cottesmore Road to Cycle Road	<b>Up 6.7%</b>	<b>Down 19.9%</b>
4 <sup>th</sup> from 6 <sup>th</sup>	Dunkirk & Lenton	E01033408	Harlaxton Drive to Willoughby Street	<b>Up 1.1%</b>	<b>Down 1.9%</b>
5 <sup>th</sup> from 2 <sup>nd</sup>	Dunkirk & Lenton	E01013928	Claude Street to Cloister Street	<b>Up 0.1%</b>	<b>Up 4.0%</b>
7 <sup>th</sup> from 13 <sup>th</sup>	Arboretum	E01013812	Bentinck Road to Brushfield Street	<b>Up 1.6%</b>	<b>Down 1.0%</b>
8 <sup>th</sup> from =10 <sup>th</sup>	Radford & Park	E01013945	Player Street/Hartley Rd/Garfield Rd	<b>Up 1.6%</b>	<b>Up 3.0%</b>
11 <sup>th</sup> from 12 <sup>th</sup>	Radford & Park	E01033404	Lenton Sands Bute Ave to Canning Circus	<b>Up 1.6%</b>	<b>Down 1.5%</b>
12 <sup>th</sup> from 15 <sup>th</sup>	Arboretum	E01013811	St Paul's Avenue to Maples Street	<b>Down 2.4%</b>	<b>Up 0.4%</b>

Source: Home Energy Conservation Act report.

The table indicates that fuel switching fuel source is occurring from old electric storage heating to gas heating. This will reduce carbon usage as well as fuel bills.

Impact of new ward boundaries. The SOA boundaries correlated with the old ward boundaries however not with the new boundaries. SOA data has been allocated to the ward having the greater number of homes the impact is in the table below.

2016 Fuel Poverty by New Ward	%	2016 Fuel Poverty by Old Ward	%
<b>Lenton &amp; Wollaton East</b>	<b>22.0%</b>	<b>Dunkirk and Lenton</b>	<b>24.1%</b>
<b>Radford</b>	<b>17.7%</b>	<b>Arboretum</b>	<b>16.3%</b>
<b>Hyson Green &amp; Arboretum</b>	<b>17.3%</b>	<b>Radford &amp; Park</b>	<b>15.8%</b>
<b>Nottingham average</b>	<b>14.6%</b>	<b>Nottingham average</b>	<b>14.6%</b>
<b>Castle</b>	<b>8.4%</b>		

MEES will help to update the EPCs.

18,559 EPCs were undertaken 2008 to Sept 2016 in NG7.	
G	1.1% (222) many of these have had refreshed and better EPCs
F	8.7% (1,620) many of these have had refreshed and better EPCs
E	26.7% (4,864)
D	34.3% (6,378)
C	23.9% (4,441)
B	0.2% (48)
A	0.0% (3)

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