

2018 Air Quality Annual Status Report for East Herts: latest analysis

The 2018 Air Quality Status Report is based on the most up-to-date full year validated statistics from 2017.

Distance corrected air quality figures

The Department for Environment, Food and Rural Affairs (Defra) requires local authorities to use the raw data from their air quality monitoring sites to calculate NO₂ levels at locations near the monitoring sites in which people will be exposed to the air pollution. These are called distance corrected figures.

These figures are calculated because it is important to recognise that measurements taken from diffusion tubes placed on lamp posts and similar monitoring points are unlikely to be representative of the actual levels experienced by people working, living or gathering in the area, so looking at these distance corrected figures gives a more accurate representation of the air quality levels to which people are exposed.

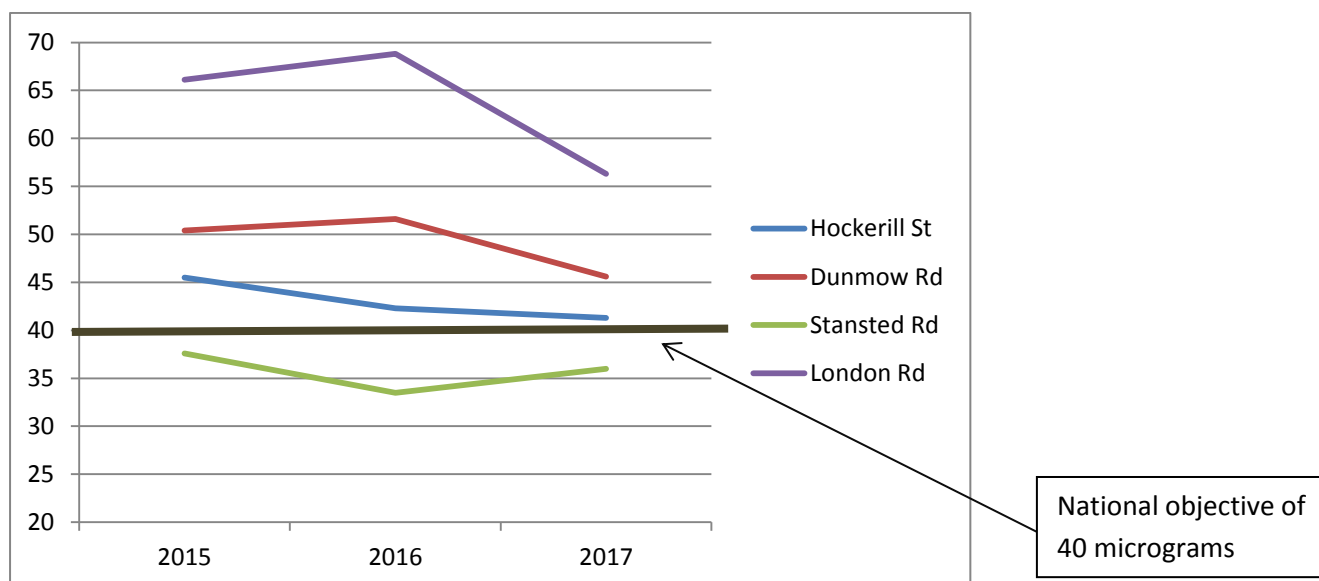
Defra provides a standardised methodology for calculating these figures. East Herts Council uses this standardised methodology with distance corrected figures being available since 2015.

Given the exact location of the diffusion tubes in relation to local buildings, roads, footpaths and the like, the distance corrected figures can be either higher or lower than the readings at the diffusion tube locations themselves. Note: not all diffusion tube sites are utilised in this analysis.

Hockerill junction, Bishop's Stortford Air Quality Management Area

Distance corrected NO₂ levels

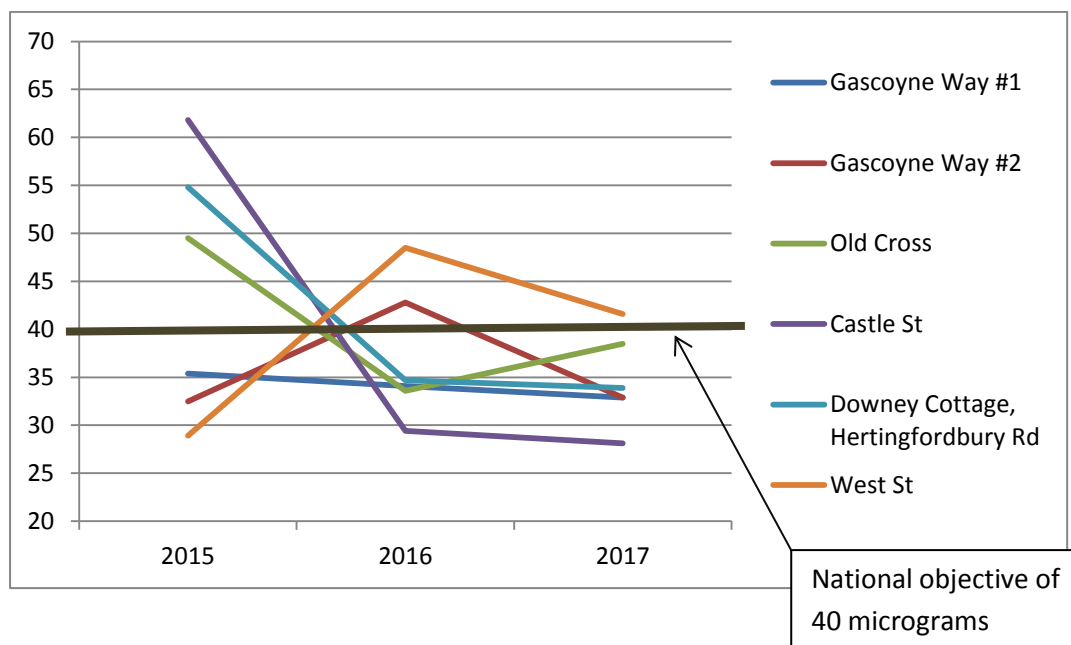
	Tube location	2015	2016	2017
EH12	Hockerill St	45.5	42.3	41.3
EH17	Dunmow Road	50.4	51.6	45.6
EH18	Stansted Road	37.6	33.5	36.0
EH19	London Road	66.1	68.8	56.3



Gascoyne Way, Hertford Air Quality Management Area

Distance corrected NO₂ levels

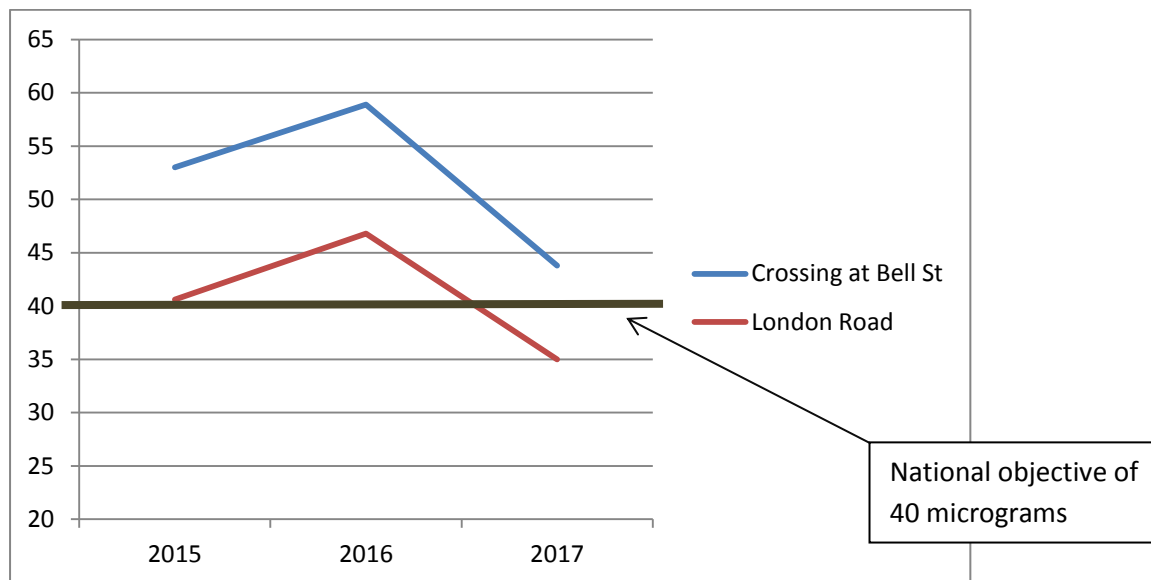
	Tube location	2015	2016	2017
EH79	Gascoyne Way #1	35.4	34.1	32.9
EH80	Gascoyne Way #2	32.5	42.8	32.9
EH25	Old Cross	49.5	33.6	38.5
EH28	Castle St	61.8	29.4	28.1
EH30	Downey Cottage, Hertingfordbury Rd	54.8	34.7	33.9
EH42	West St	28.9	48.5	41.6



London Road, Sawbridgeworth Air Quality Management Area

Distance corrected NO₂ levels

	Tube location	2015	2016	2017
EH57	Crossing at Bell St	53.0	58.9	43.8
EH14	London Road	40.6	46.8	35.0



Data set for 2017 – *not distance corrected*

The figures below show the data set for 2017, the most up-to-date full year validated readings.

These figures represent readings at the diffusion tube location and are not distance corrected figures.

Site	Environment	Location	NO ₂ levels (micrograms) bias adjusted annual average
EH12	kerbside	Hockerill St Bishops Stortford	43.93
EH14	kerbside	London Road Sawbridgeworth	43.61
EH17	kerbside	Dunmow Road Bishops Stortford	61.18
EH18	kerbside	Stansted Road Bishops Stortford	39.65
EH19	kerbside	London Road Bishops Stortford	64.76
EH25	kerbside	Old Cross Hertford	45.35
EH28	kerbside	Castle St Hertford	35.69
EH30	kerbside	Downey Cottage Hertingfordbury Rd Hertford	38.82
EH31	kerbside	Hockerill St B/S Colocated with EH12	41.76
EH32	kerbside	Hockerill St B/S Colocated with EH12	44.98
EH35	kerbside	Dunmow Rd B/S Colocated with EH17	61.08
EH36	kerbside	Dunmow Rd B/S Colocated with EH17	57.55
EH37	kerbside	Stanstead Rd B/S Colocated with EH18	37.9
EH38	kerbside	Stanstead Rd B/S Colocated with EH18	38.64
EH39	kerbside	London Rd B/S Colocated with EH19	62.28
EH40	kerbside	London Rd B/S Colocated with EH19	63.38
EH41	roadside	Ware Rd Hertford	42.96
EH42	roadside	West St Hertford colocated with EH29	45.63
EH43	roadside	West St Hertford colocated with EH29	42.04
EH44	roadside	West St Hertford colocated with EH29	41.86
EH48	roadside	Castle Street Hertford	35.78
EH49	roadside	Castle Street Hertford	35.42
EH50	roadside	Downey Cottage Hertingfordbury Rd	39.37
EH51	roadside	Downey Cottage Hertingfordbury Rd	37.44
EH52	roadside	Cowbridge Hertford	29.53
EH53	roadside	Viaduct Road Ware	36.43
EH54	roadside	Station Road Ware	29.71
EH55	roadside	London Rd Sawbridgeworth colocated with EH14	44.62
EH56	roadside	London Rd Sawbridgeworth Colocated with EH14	43.05
EH57	roadside	Opp Bell St Sawbridgeworth at crossing	56.21
EH58	roadside	Opp Bell St Sawbridgeworth at crossing	56.12
EH62	roadside	Northgate End B/S Jct Yew Tree Court	31.56
EH63	roadside	Northgate End B/S Jct Yew Tree Court	30.82
EH64	roadside	Rye St, B/S outside 79	30.82
EH65	roadside	Rye St, B/S outside 79	31.28
EH66	roadside	Rye St, B/S outside 209	22.45
EH67	roadside	Rye St, B/S outside 209	23.28

EH68	roadside	Hadham Rd, B/S outside 9	32.11
EH69	roadside	Hadham Rd, B/S outside 9	31.65
EH70	roadside	Outside 38 High St, Buntingford.	24.47
EH71	roadside	Outside 38 High St, Buntingford.	24.1
EH72	roadside	Outside 38 High St, Buntingford.	24.1
EH73	roadside	opp Horseshoe Cott's, Buntingford	32.29
EH74	roadside	opp Horseshoe Cott's, Buntingford	29.44
EH75	roadside	opp Horseshoe Cott's, Buntingford	30.63
EH79	roadside	Gascoyne Way, Hertford	37.07
EH80	roadside	Gascoyne Way, Hertford	37.07
EH81	roadside	Gascoyne Way, Hertford	36.16