

Appendix 3 - Calne Air Quality Action Group

Air Quality Update by Wiltshire Council Officers

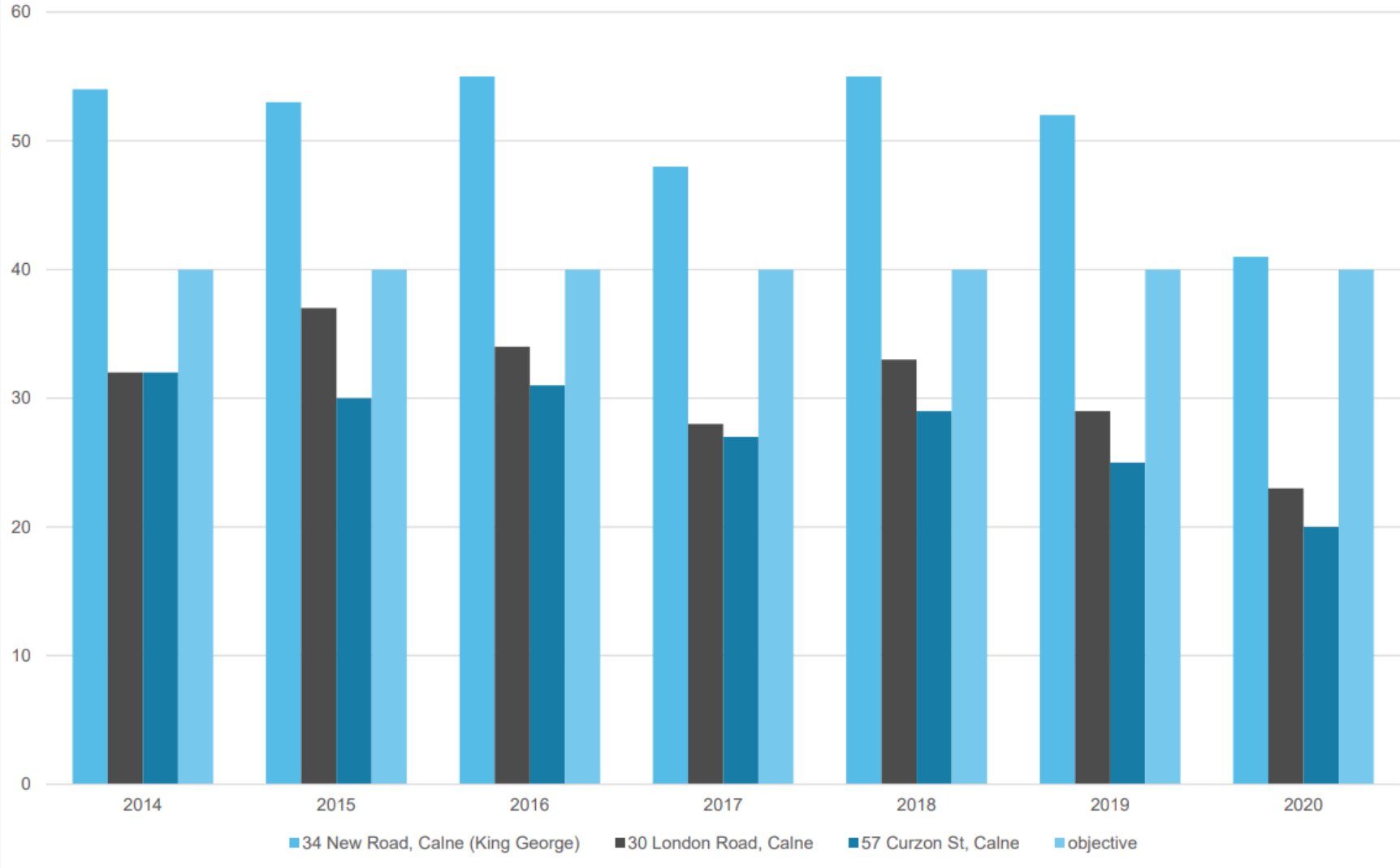
1st November 2021

Brett Warren (Senior EHO) + Sophia Beglinger (EHO)



love Calne love clean air

Calne annual mean nitrogen dioxide monitoring results: 2015-2020





Drawn by: emma.painter
17/12/2020

400365E 171099N m 1:40,000 **Wiltshire Council**
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Traffic growth in Calne

Table 2-9 - Traffic growth in Calne (average count per road, taken from four count sites)

Road	2014	2015	2016	2017	2018	2019	% growth
A3102	7,170	7,478	7,631	7,748	8,261	9,281	29%
A4	12,322	12,501	12,619	12,874	12,829	12,457	2%

Department for Transport count data. Available at: <https://roadtraffic.dft.gov.uk/#13/51.4232/-2.0446/basemap-countpoints>

However.....

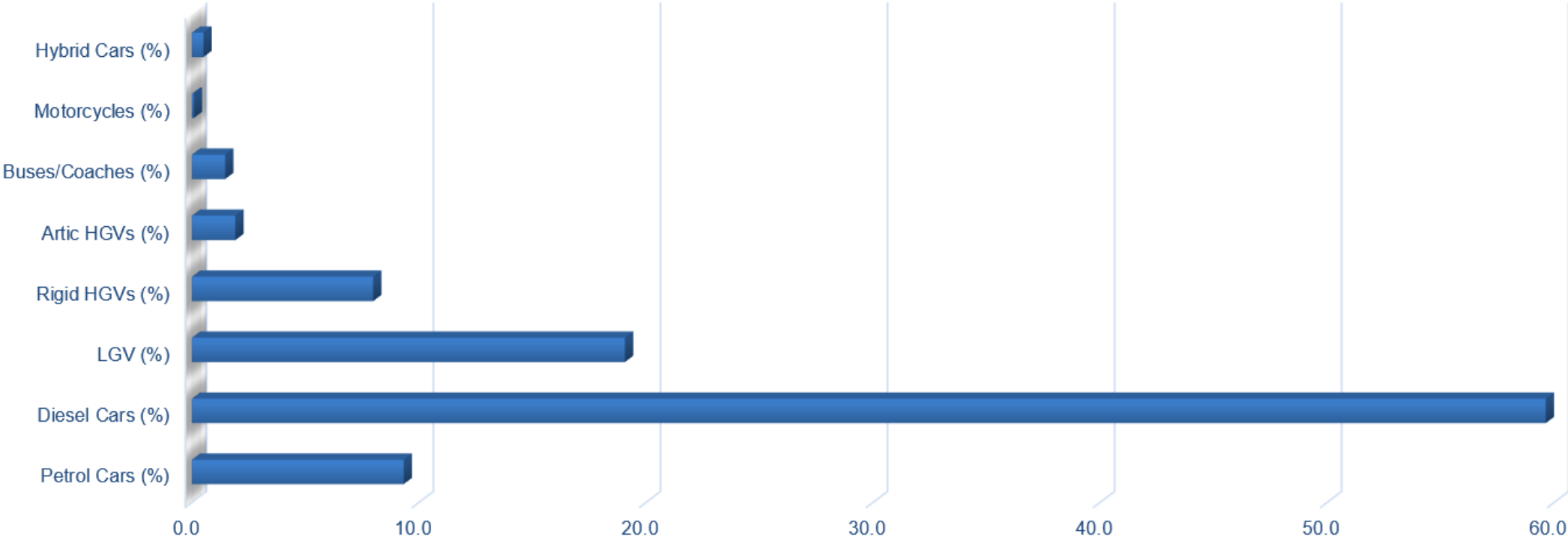
Traffic point – New Road (opposite Calne Heritage Centre)

Annual Average daily flow

Year	Count method	Pedal cycles	Two wheeled motor vehicles	Cars and taxis	Buses and coaches	Light goods vehicles	Heavy goods vehicles	All motor vehicles
2020	Manual count	77	95	12469	142	4685	569	17960
2019	Estimated using previous year's AADF on this link	121	130	14884	190	2395	573	18172
2018	Estimated using previous year's AADF on this link	110	139	14699	188	2416	572	18014

Source apportionment of traffic on New Road (% contributions towards NO2 levels in Calne AQMA)

Calne New Road



	Petrol Cars (%)	Diesel Cars (%)	LGV (%)	Rigid HGVs (%)	Artic HGVs (%)	Buses/Coaches (%)	Motorcycles (%)	Hybrid Cars (%)
■ S Calne New Road	9.3	59.6	19.1	8.0	1.9	1.5	0.1	0.5

Future projections of AQ in Calne

Calne												
Modelled		Estimated										
2019	2026	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	
53.15	32.45	49.5	46.2	43.0	40.1	37.4	34.8	32.4	30.2	28.2	26.3	

Factors behind this?

1. Gradual reductions in polluting Euro 4 engines and increases in lower emission Euro 6 engines
2. Growth in electric vehicles

Current AQ projects

- Revised SPD
- AQAP

Environment Bill

- Amendments being considered in final stage of UK Parliament
- New legally binding targets on PM2.5