

# Air Quality Update 2020



# Overview / Refresher

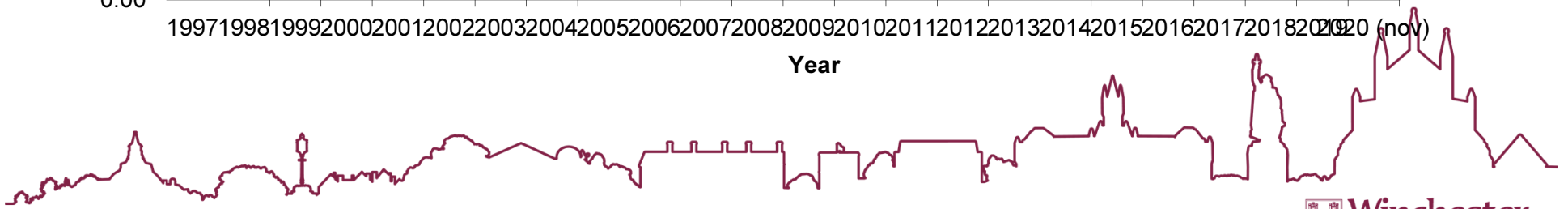
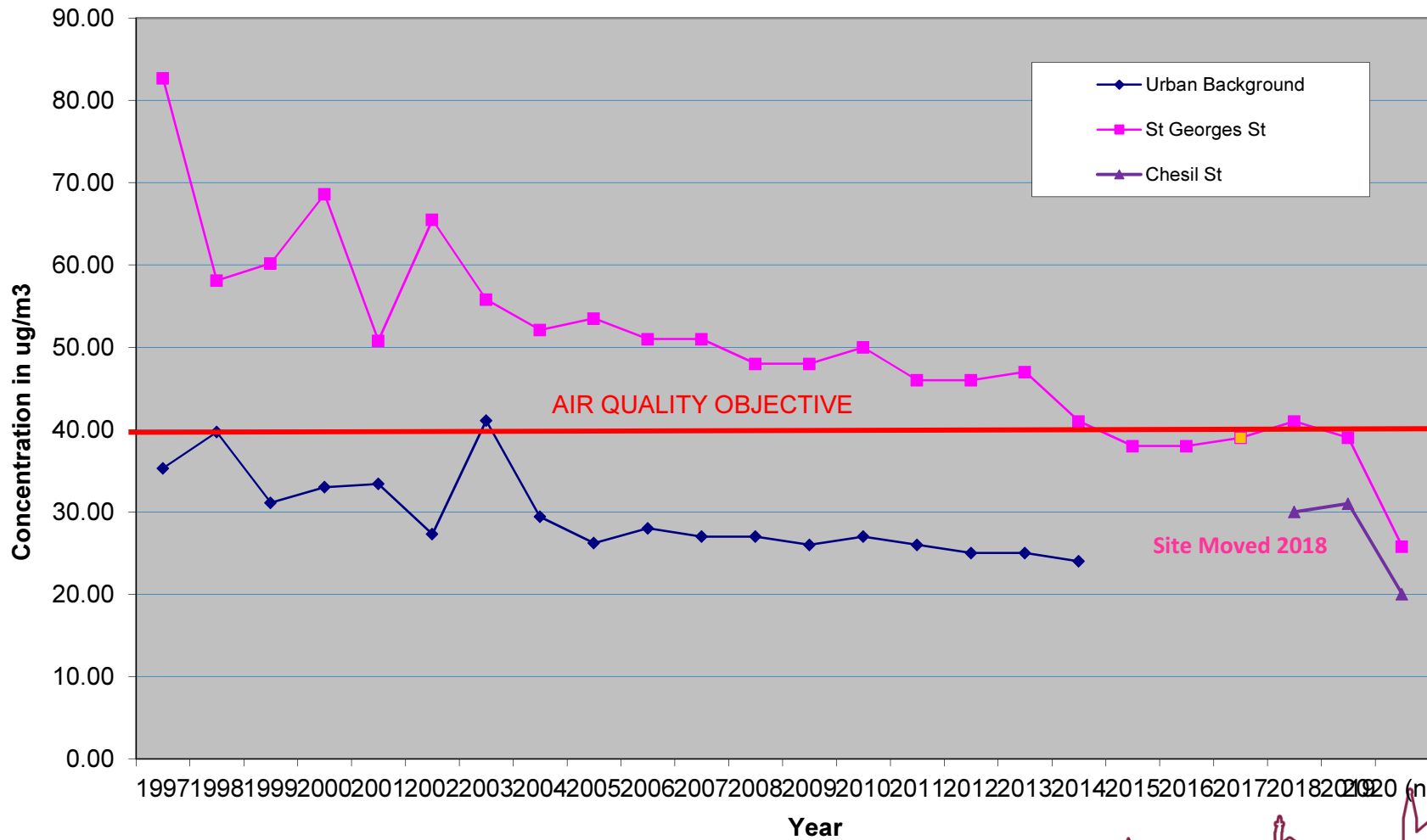
- Air Quality Management Area – Winchester town centre and main arterial routes
- Monitoring for Nitrogen dioxide (NO<sub>2</sub>) & Particulates (PM<sub>10</sub> and PM<sub>2.5</sub>)
- Complying with NO<sub>2</sub> daily mean standard and PM<sub>10</sub> standards both daily and annual mean.
- Due to Covid influenced drop in traffic and a corresponding improvement in air quality, AQMA marginally meeting NO<sub>2</sub> **annual mean** standard of 40µg/m<sup>3</sup>
- 2 static air quality monitoring stations
  - Chesil Street (Nr Chesil Rectory) NO<sub>2</sub> only
  - St Georges Street (r/o God Begot House) NO<sub>2</sub> and PM<sub>10</sub> & PM<sub>2.5</sub> since Feb'20
- 1 AQMesh analyser on Romsey Road (Arbour Court) **indicative monitoring** of NO<sub>2</sub> and PM10 & PM2.5 since Dec'18
- 26 Nox diffusion tubes in the City and a further 8 Nox diffusion tubes in the wider district, monitoring annual mean trends over time.
- AQ Data publically available on line <http://www.ukairquality.net/home/map>



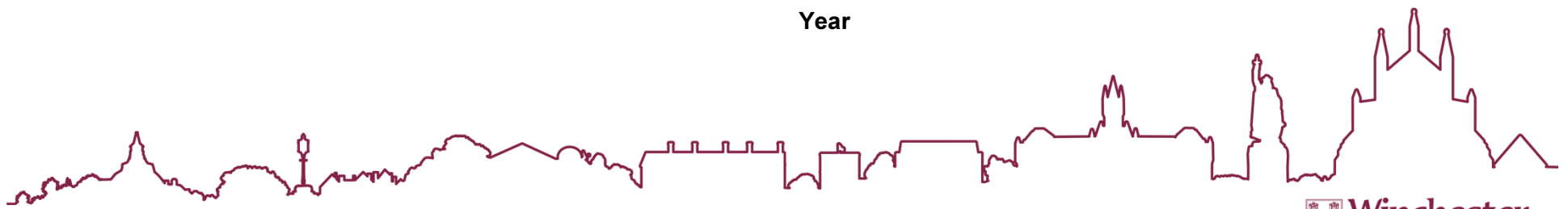
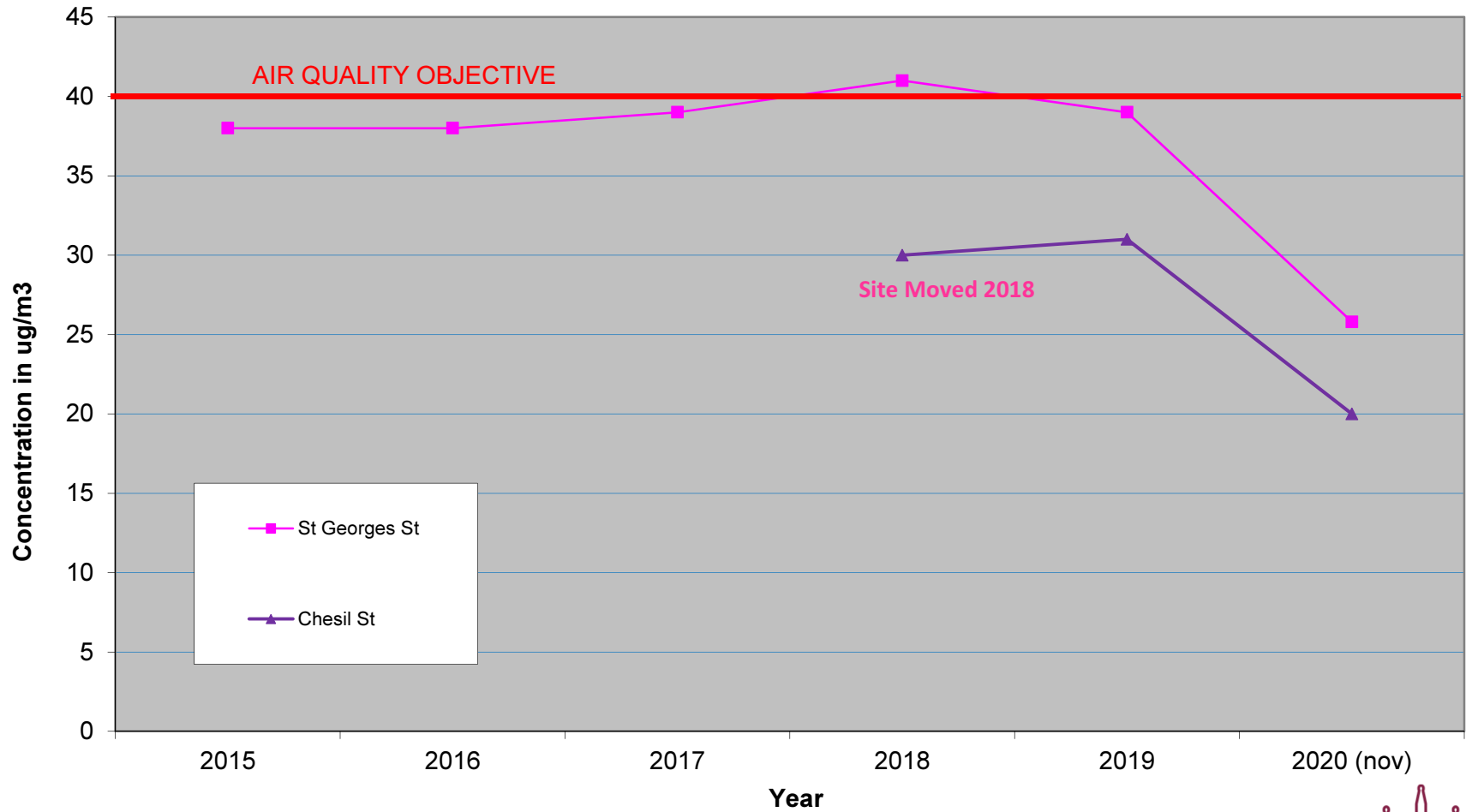
# Current AQMA



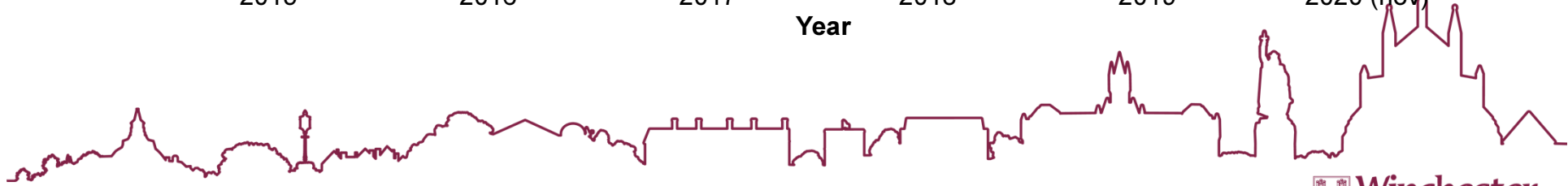
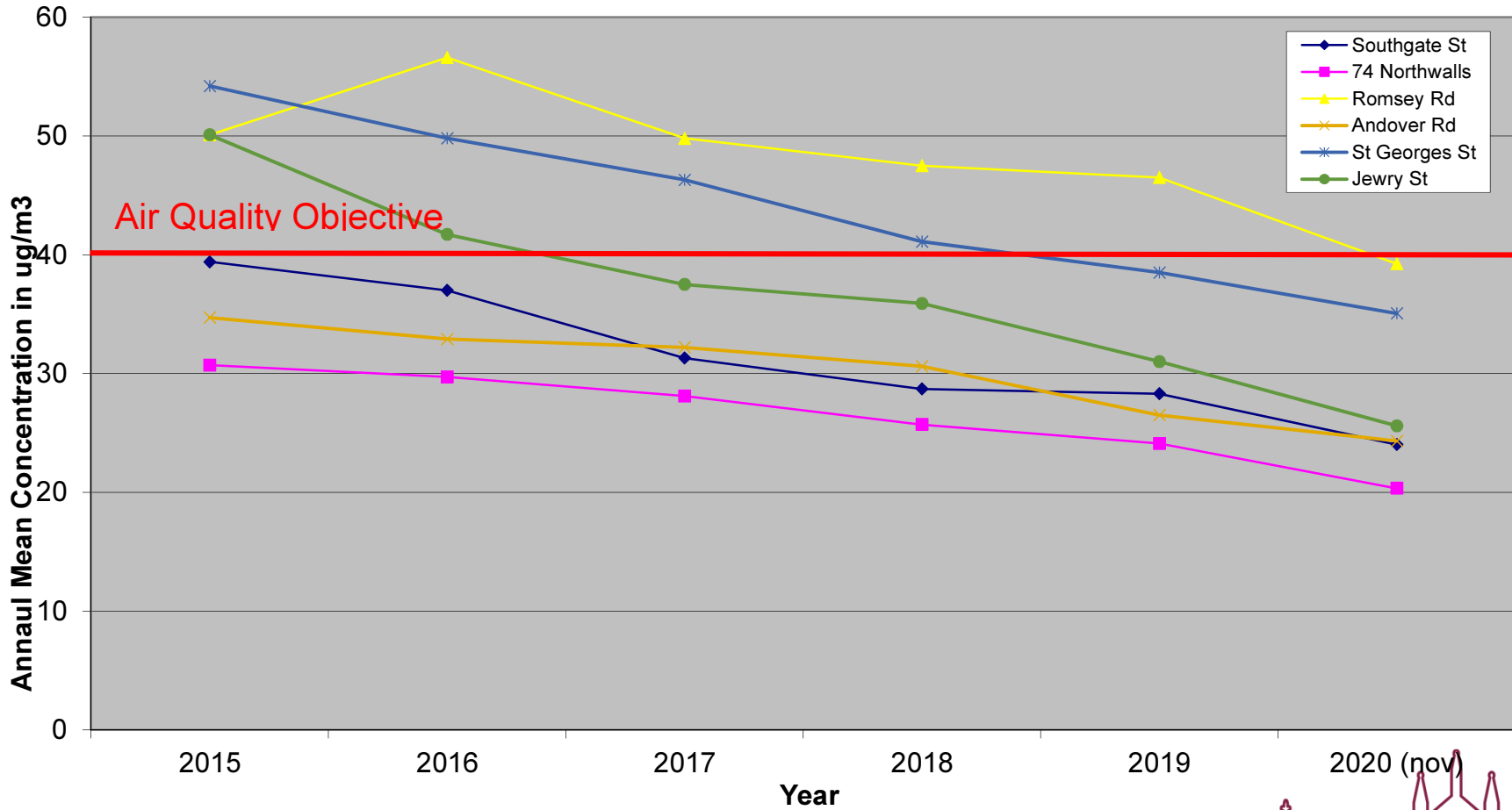
# NO<sub>2</sub> (annual mean) AQMS Results since 1997



# NO<sub>2</sub> (annual mean) AQMS Results since 2015

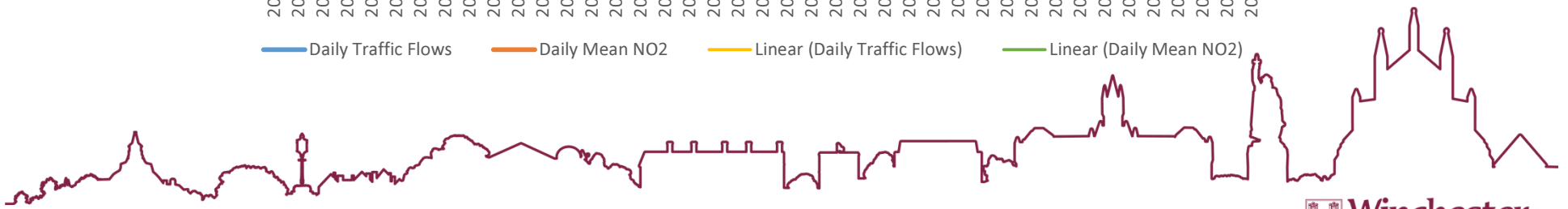
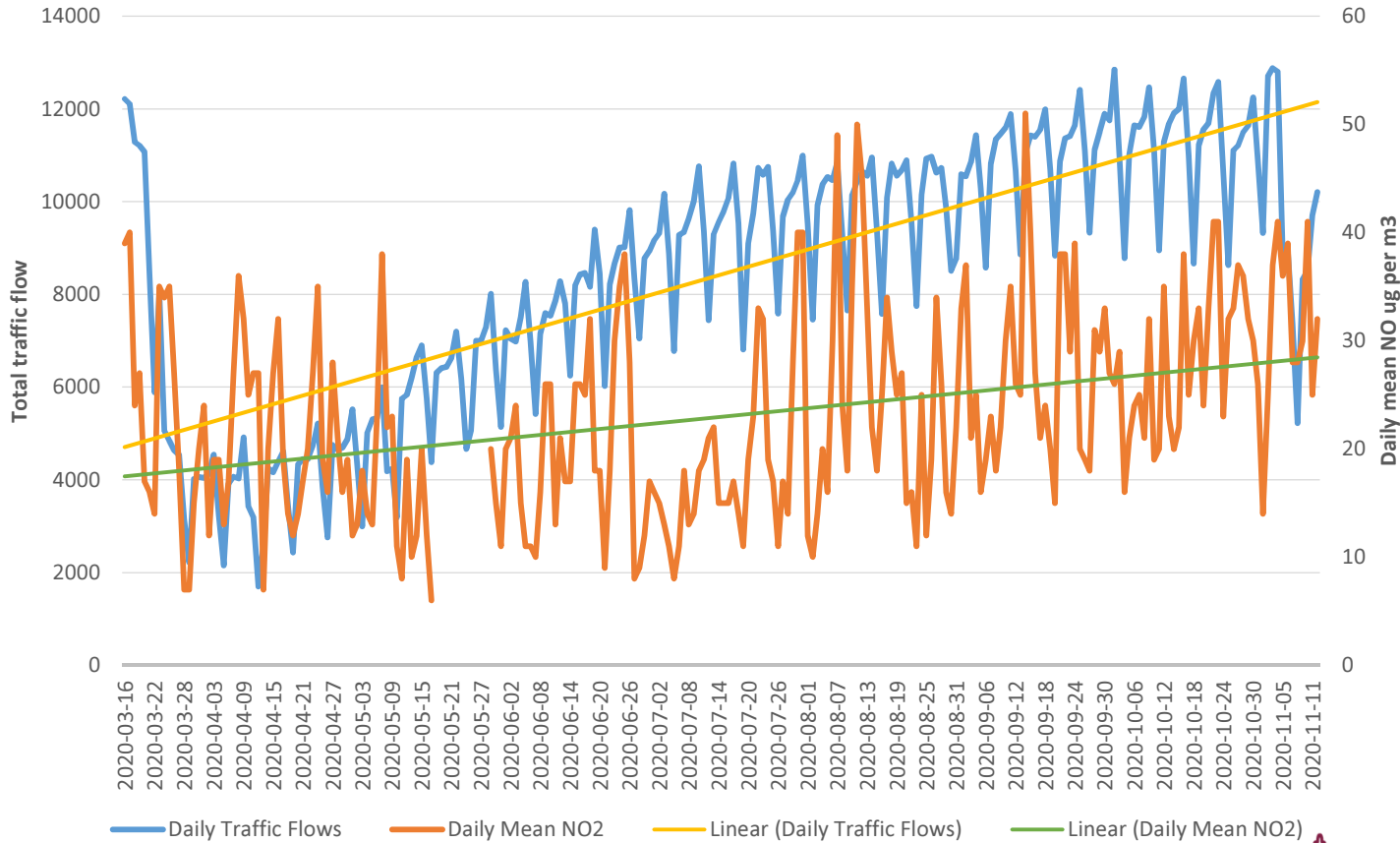


# NO<sub>2</sub> Diffusion Tube Data (Highest level city centre locations)



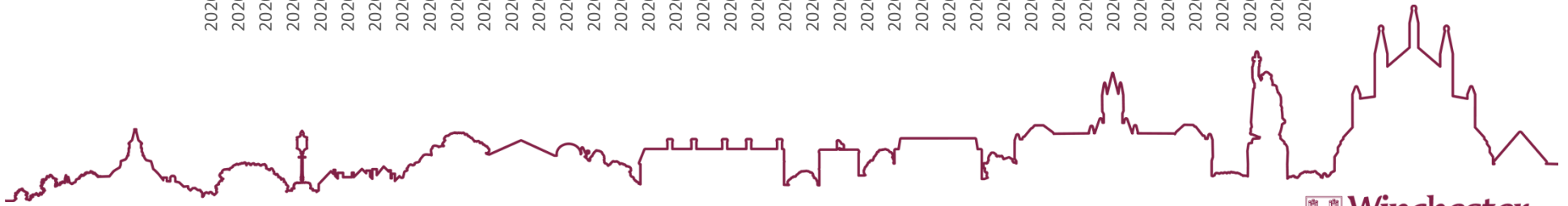
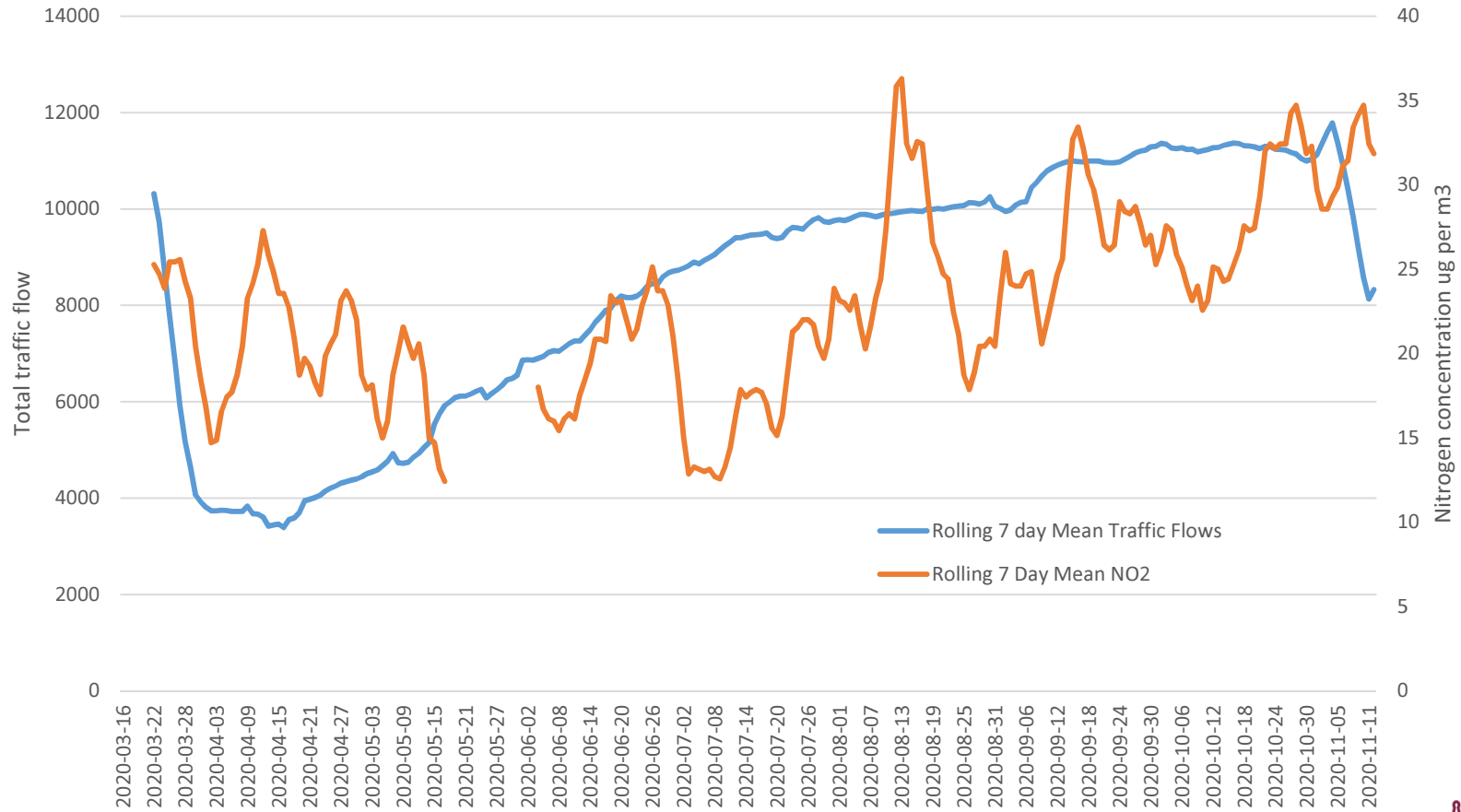
# Air Quality during Covid (1)

## Daily Averages for Traffic and Air Quality St Georges St Winchester 2020



# Air Quality during Covid (2)

Air Quality St Georges St Winchester 2020





# Air Quality 2021 - 2023

- Due to the impact of Covid on traffic levels, we do not expect 2021 data to continue the trend and plan to reposition accordingly .
- Move AQMS NOx analyser - imminent install on Romsey Road for 2021
- FIDAS Monitor on St Georges St will collect continuous data for PM10 and PM2.5 in line with Government's future Environment Bill expectations
- Air Quality Steering Group to consider review of AQAP in the Spring, subject to the provisions set down in the proposed Environment Bill 2021.
- Although some confidence that AQMA could be reduced to focus on higher NO<sub>2</sub> area (Romsey Road & St George St), equally new more stringent PM2.5 levels necessitate a cautionary approach.
- Now and in the future
  - Electric Vehicle Network
  - Air Quality Supplementary Planning Document (Jan Cabinet)
  - Differential Parking Tariffs
  - Inter authority 'Burn Less' initiative
  - Movement Strategy
  - Resourcing for workplace travel planning



# Questions

