

CAB 3217 - Air Quality Action Plan Update

Health and Environment Policy Committee 13th January 2020



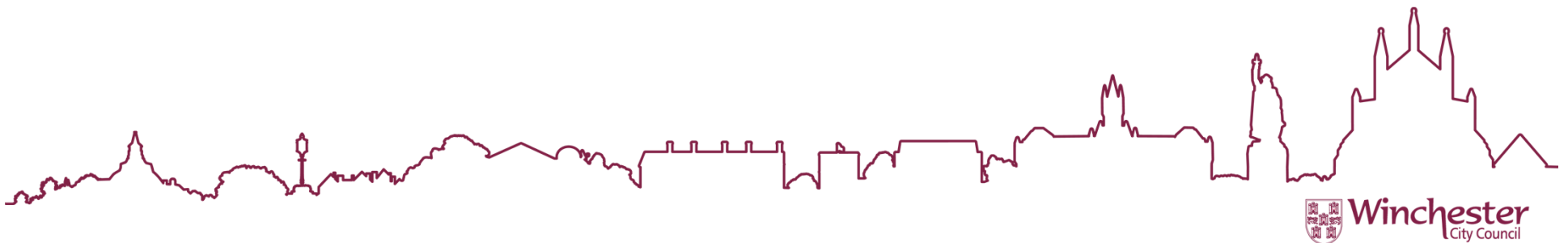
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Context

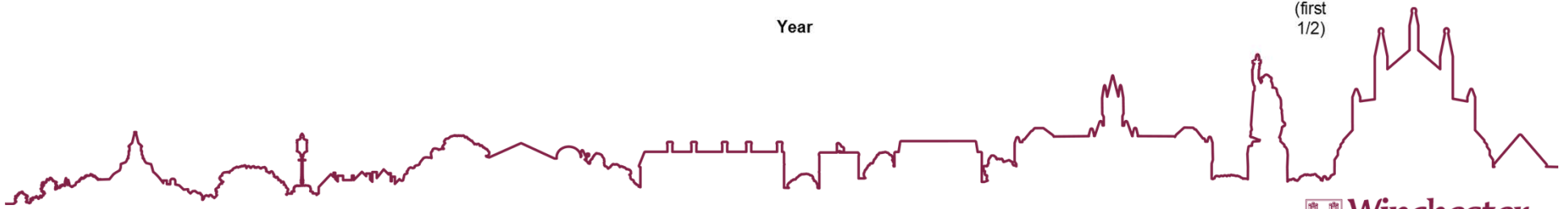
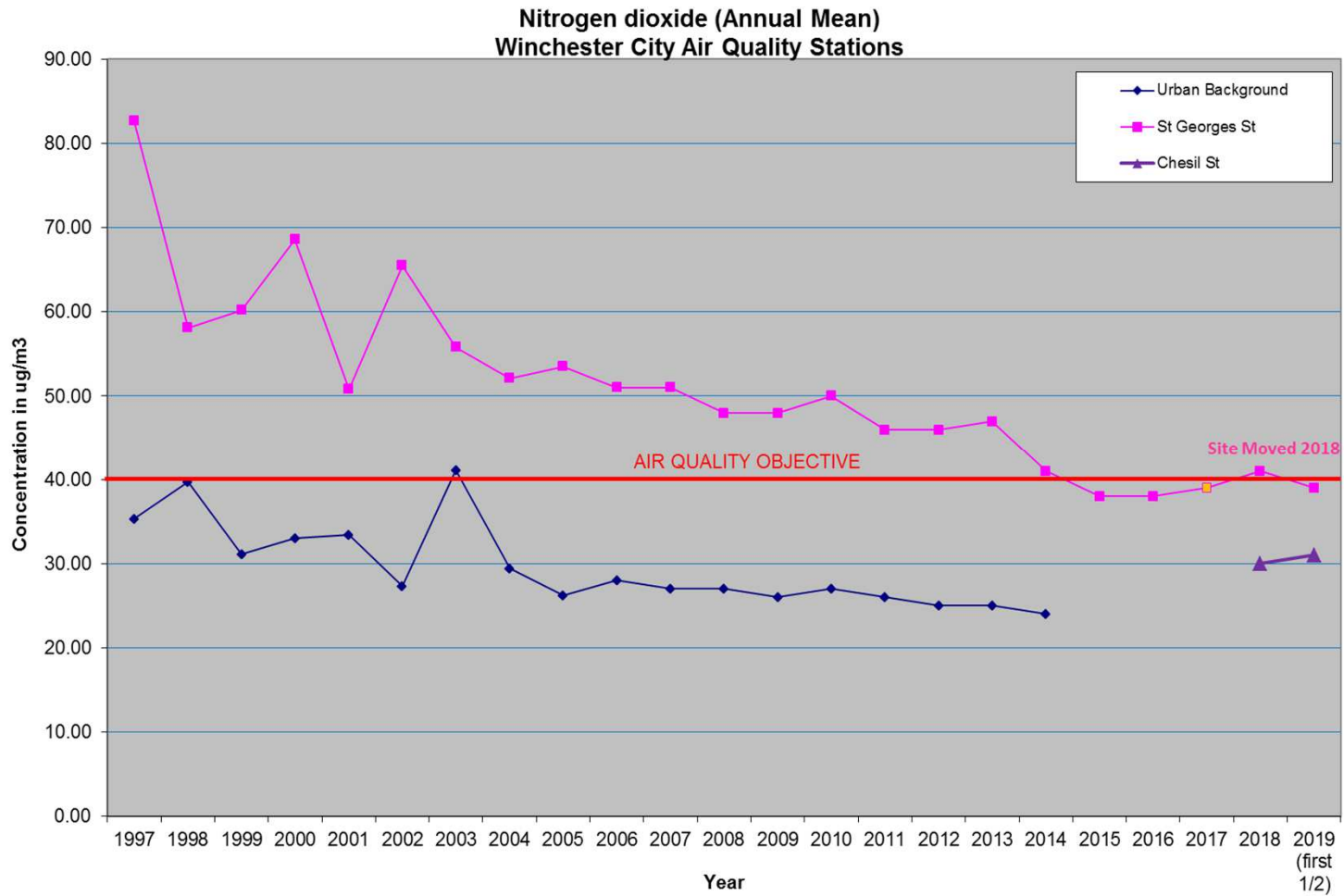
- 🏰 Air Quality Management Area (AQMA) declared in 2003 for NO₂ and Particulates (PM10)
- 🏰 1st Air Quality Action Plan in 2006
- 🏰 'Un declared' for PM10 in 2012
- 🏰 Bureau Veritas 'source apportionment' study conducted in 2016
- 🏰 New and current AQAP adopted in 2017

Current Position

- 🏰 Monitoring using 2 static stations, 26 NO_x tubes and 1 'AQ Mesh' analyzer
- 🏰 Only failing on the annual mean standard of 40µg/m³ standard
- 🏰 Do not currently monitor for particulates but will be monitoring for PM2.5 soon

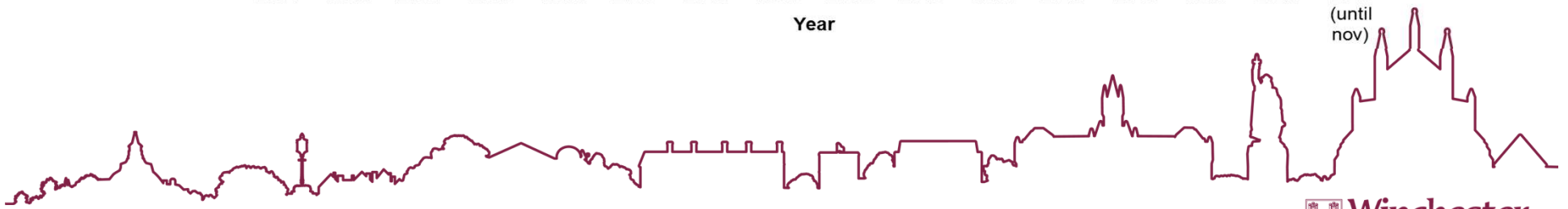
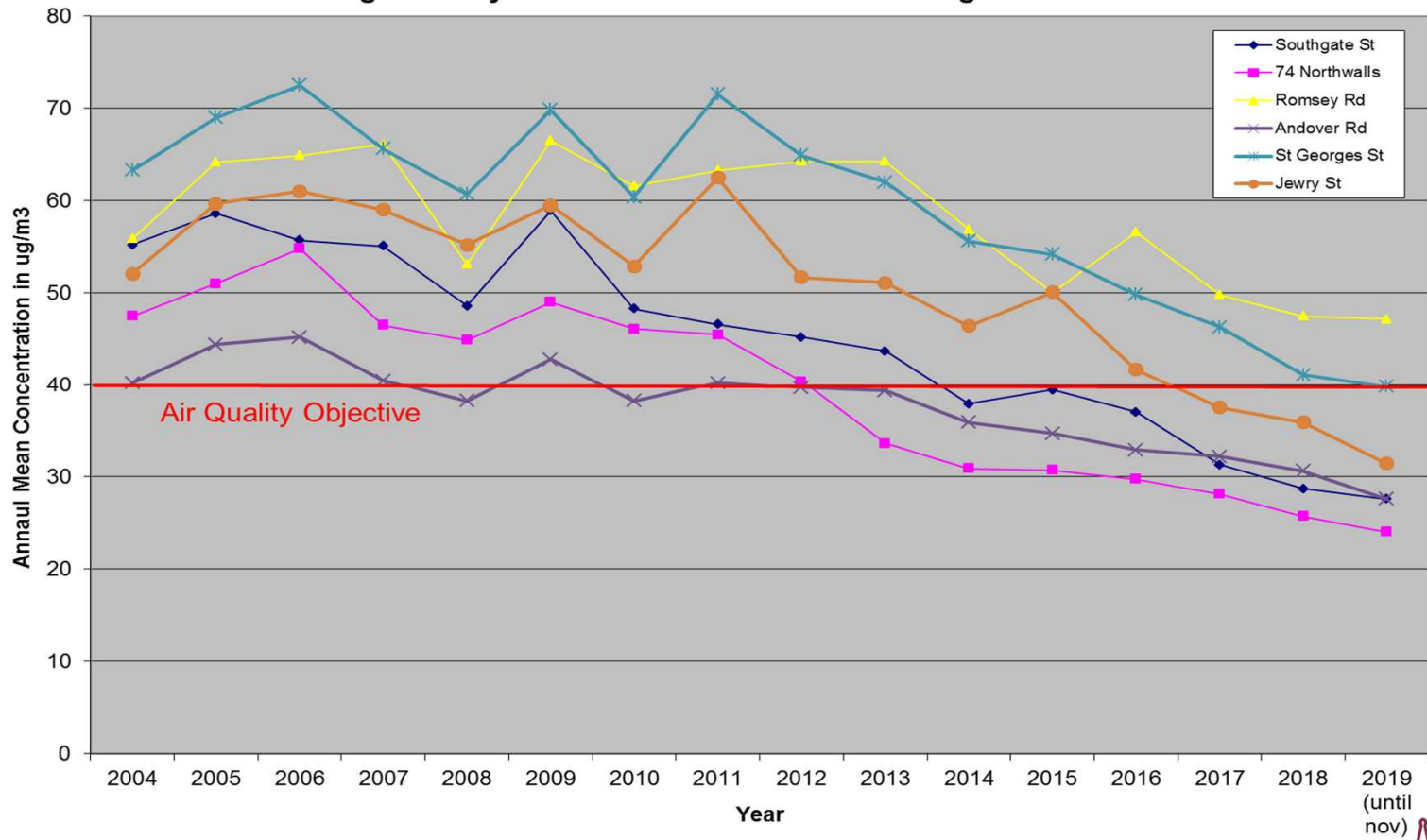


Current NO₂ trends in AQMA



Current NO₂ Trends in AQMA

Nitrogen dioxide diffusion tube data
Highest City Centre results at the monitoring locations



Current NO₂ trends in AQMA

St Georges Street

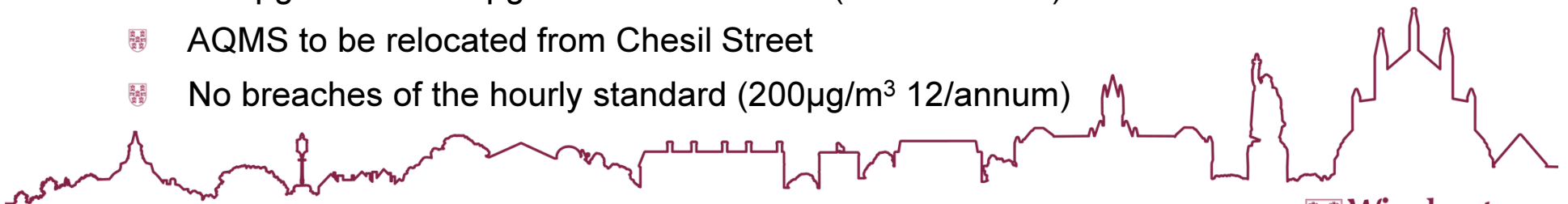
- Continuous decline in NO₂
- 2015, 2016, 2017, showing marginal compliance at 38 µg/m³, 38 µg/m³, and 39µg/m³
- Monitoring station moved in 2017 and 2018 data set 41 µg/m³

Chesil Street

- Located in 2017 on Old Station Approach
- 2 full years data 30 µg/m³ and 31 µg/m³ so well below 10 confidence compliance level.

Romsey Road

- Although a steady decline, it remains above annual mean standard
- 47.5µg/m³ and 47.2µg/m³ 2018 and 2019 (first 6 months)
- AQMS to be relocated from Chesil Street
- No breaches of the hourly standard (200µg/m³ 12/annum)

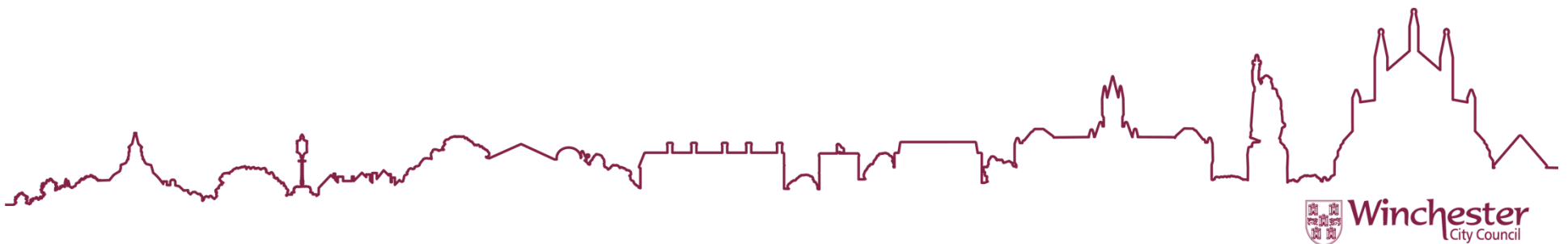


Particulates

- Winchester 'un declared' in 2012 so doesn't currently monitor for particulates
- Better understanding of finer particulates PM_{2.5} impact on Public Health
- Gov't requires LA's to give due consideration on the control of of PM_{2.5}
- 2019 Clean Air Strategy gives a commitment to the setting of mandatory levels likely to be based on WHO standard of 25 µg/m³
- WCC will install a FIDAS 200 Particulates Monitor in the St Georges Street site

Review of AQMA

- Proposal to review the size of AQMA in 2020 and 2021
- OR** just in 2021



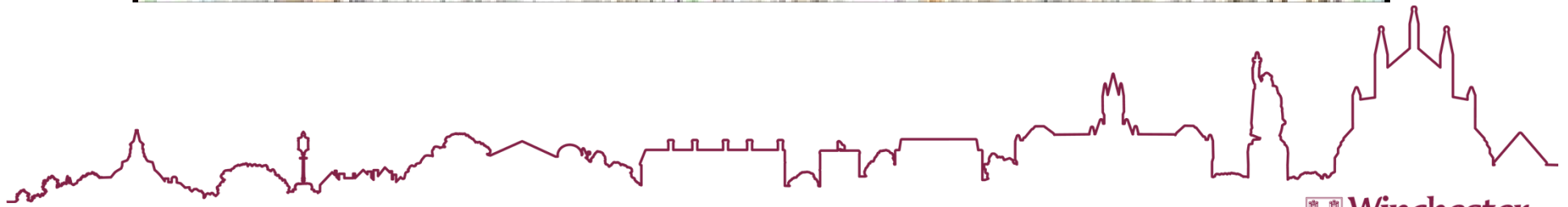
Current AQMA



Expected AQMA in 2020



Expected AQMA in 2021



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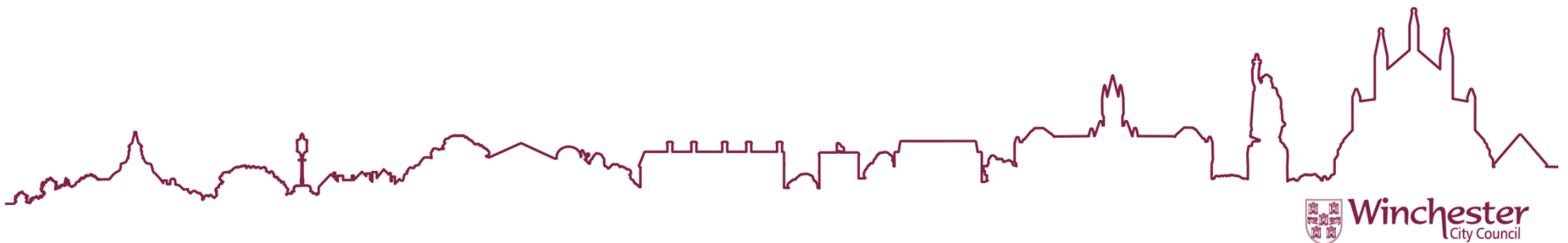
Council Strategy - AQAP is intended to ensure that the Council meets its statutory Obligations by the end of 2020 which are centered on public health but assists in the support of the recently declared Climate Emergency aspirations

Financial - The AQAP has 9 core and 9 complimentary measures which have been financially assessed. Two measures merit special mention:

- 🏰 'Smart' parking ticket machines for emissions based tariffs;
- 🏰 Electric Vehicle Charging infrastructure

Both subject to separate business case and funding options appraisals.

Legal - Environment Act 1995 – Duty to monitor against national statutory air quality standards. Failure may lead to fines under EU law, which can be handed down to LA's by central government. Brexit & UK Law?



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Workforce - Delivery focused on the Public Protection Service with support from other service areas such as Parking Services, Transport Planning and HCC Strategic Highways.

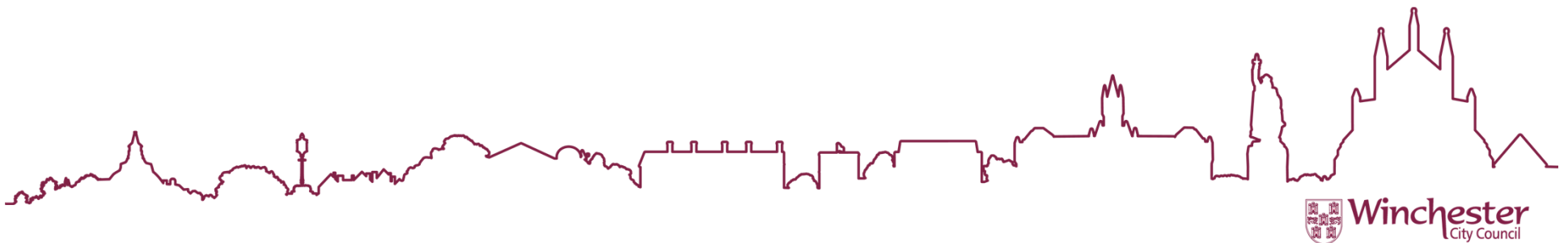
Property / Assets – Limited to those cited under financial.

Consultation - Air Quality Steering Group, Task and Finish Groups, Stakeholders e.g. Taxi Drivers

Equality Assessment – Taxi cab sizes









Risks - Mainly that the Plan does not meet standards in time;

- Review progress and assess whether additional measures are required to ensure compliance.












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Core Measures

-  Car Parking Pricing
-  Good Delivery Enforcement
-  P&R Sites to the north of Winchester
-  Differential Parking Tariffs
-  Feasibility of a CAZ
-  Council leased / influenced vehicles
-  AQ SPD
-  Monitor performance of the Plan

Complimentary Measures

-  Work towards the adoption of regional LEZ
-  Seek to commit to introduce an EV Charging network
-  AQ key procurement practice/policy
-  Live parking information
-  Promotion of car club schemes
-  Additional cycle storage/stands
-  Communication for behavioural change
-  Refresh Council Travel Plan
-  Resourcing for workplace travel planning




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Recommendations

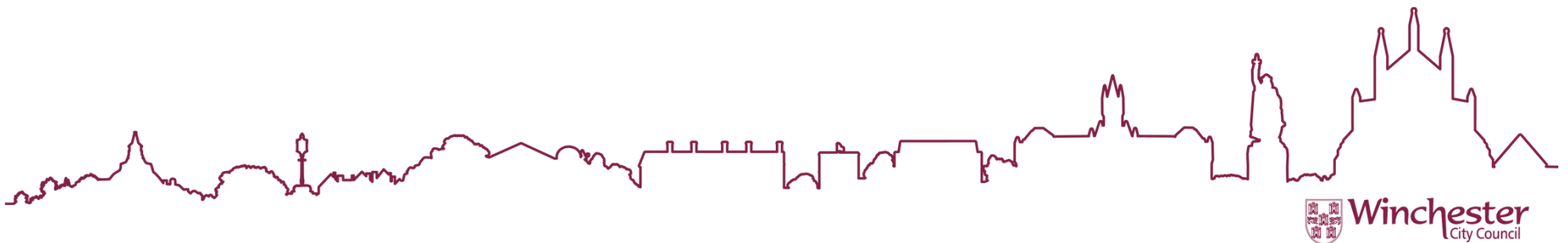
 **To note progress made by the AQAP**

 **To chose one of 2 options**

 Officers submit an application to DEFRA in March 2020 to reduce the AQMA in 2020 then, if supported by subsequent data; submit a second application in the Spring of 2021 to achieve further reductions in the size of the AQMA.

Or

 Option 2 - Officers await the clarity of position from the ratified 2020 data set and submit a single application to the Spring of 2021 which is expected to support a significant reduction in the size of the AQMA.



Questions

