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Portfolio	Portfolio Holder Climate Change and Sustainability
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## GM Clean Air Plan Update

### Executive Summary

- 1.1 In Greater Manchester, the 10 local authorities, the Greater Manchester Combined Authority (GMCA) and Transport for Greater Manchester (TfGM), collectively referred to as “Greater Manchester” or “GM”, have worked together to develop a Clean Air Plan to tackle NO<sub>2</sub> Exceedances at the Roadside, referred to as GM CAP. This report sets the progress of the GM CAP and the next steps for the development of the Clean Air Plan and the closely linked Minimum Licensing Standards (MLS) for taxi and private hire services. Key developments since the last GMCA report include:
- Since the last report there has been no confirmation or offer of government funding for LGVs or hackneys, or the taxi and private hire electric vehicle charge points.
  - Government ministers have agreed to consider extending Greater Manchester’s Clean Air Zone (CAZ) charges to the sections of the A628/A57 in Tameside which form part of the Strategic Road Network, within the proposed CAZ boundary. The extension of any charges to the A628/A57 will be subject to a full assessment of the potential impacts, to be led by Highways England. Following the assessment ministers will take the final decision on whether or not charging should be implemented on the A628/A57.
  - GM was awarded £14.7m of funding for the retrofitting of buses, and this work commenced in December 2020. GM’s bus retrofit fund offers operators of locally registered bus services up to £16k of funding per vehicle towards the retrofit of non-compliant buses. The funding is available for vehicles, including minibuses and coaches, operating on a registered bus service within Greater Manchester. This includes cross-boundary services operating within the GM CAZ boundary.
- 1.2 The report sets out the near-term impacts of COVID-19 government restrictions on movement on air quality. It sets out how air quality is legally

monitored, and how the Government has directed GM (and other areas) under UK law to address exceedance of the Annual Average standard for NO<sub>2</sub> which is set at 40 ug/m<sup>3</sup>. As GM Clean Air Plan is required to take action to tackle nitrogen dioxide exceedances until compliance with legal limits has been demonstrated (over a number of years), the nearer term influence of COVID-19 on air quality is not expected to lead to sufficiently long term reductions in pollution such that the modelled exceedances of the legal NO<sub>2</sub> limits will be met without implementing a Clean Air Zone.

- 1.3 The report sets out that following the conclusion of the consultation, both GM CAP and MLS consultation responses are being analysed and reported on by an independent research agency. GM authorities will fully consider all of the information and evidence gathered during the consultation, so that they can understand the consequences COVID-19 has had on vehicle owners and trades which will be directly affected by the GM CAP and MLS.
- 1.4 The report and appendices also set out the work TfGM is undertaking on behalf of the ten Greater Manchester Authorities in the preparatory implementation and contract arrangements required to deliver the CAZ and other GM CAP measures. Preparatory work is required in order to maintain delivery momentum in line with the funding arrangements agreed with JAQU, for example in relation to automatic number plate recognition (ANPR) cameras, back office systems and service providers.
- 1.5 The report then covers the consultation approach, engagement activity, additional research undertaken and the number of responses to both the GM CAP and MLS consultations.
- 1.6 The report also sets out the governance approach to both GM CAP and MLS, with the GM CAP final plan to be brought forward for decision makers as soon as is reasonably practicable and no later than summer 2021, and the outputs of the MLS to be reported alongside the GM CAP at the same time.
- 1.7 Due to the dynamic context of COVID-19 and national and regional/local lockdowns, progress on the development of the final plan will be provided by the Green City Region Lead, as required at GMCA meetings.

## **Recommendations**

- 2.1 Cabinet is asked to note the progress of the Greater Manchester Clean Air Plan;
- 2.2 Note the next steps for the development of the Clean Air Plan and Minimum Licensing Standards, listed at Section 12;
- 2.3 Note the distribution of Bus Retrofit funding commenced in December 2020;
- 2.4 Note that Government ministers have agreed to consider extending Greater Manchester's Clean Air Zone (CAZ) charges to the sections of the A628/A57

which form part of the Strategic Road Network, within the proposed CAZ boundary, subject to the outcomes of an assessment, which is expected to be completed by early 2021;

- 2.5 Note that the GM Clean Air Plan is required to take action to tackle nitrogen dioxide exceedances until compliance with the legal limits has been demonstrated and that the nearer term influence of COVID-19 on air quality is not expected to lead to sufficiently long term reductions in pollution such that the exceedances of the legal limits of nitrogen dioxide will not occur without implementing a Clean Air Zone;
- 2.6 Note that the GM CAP final plan will be brought forward for decision makers as soon as is reasonably practicable and no later than summer 2021;
- 2.7 Note that the outputs of the MLS will be reported alongside the GM CAP as soon as is reasonably practicable and no later than summer 2021; and
- 2.8 Agree to the establishment of joint committees and to delegate to those committees the Authority's functions as set out in this report at paragraph 9.5 and the terms of reference, as set out in Appendix 6.
- 2.9 Appoint the Portfolio Holder for Climate Change and Sustainability to sit on both committees for purposes as set out in this report at paragraph 9.5 with specific terms of reference, as set out in Appendix 6.
- 2.10 Appoint Assistant to the Portfolio Holder for Climate Change and Sustainability as substitute for both committees for purposes as set out in this report at paragraph 9.5 with specific terms of reference, as set out in Appendix 6.
- 2.11 Rochdale Borough Council agrees to enter into a collaboration agreement with the other 9 GM local authorities and GMCA/TfGM to clarify amongst other matters the rights, responsibilities and obligations of the authorities in relation to those contracts set out in Appendix 2 that are required to maintain delivery momentum in line with JAQU funding agreements.
- 2.12 Agree a delegation to the Director of Neighbourhoods in consultation with the Portfolio Holder for Climate Change and Sustainability, and Assistant Director Legal Governance & Workforce to agree the final form of the collaboration agreement;
- 2.13 Agree a delegation to the Director of Neighbourhoods in consultation with the Portfolio Holder for Climate Change and Sustainability, and Assistant Director Legal Governance & Workforce to award the contracts set out in Appendix 2 (subject to government funding) that are required to implement a charging Clean Air Zone in Spring 2022 to ensure the achievement of Nitrogen Dioxide compliance in the shortest possible time and by 2024 at the latest as required by the Ministerial Direction.
- 2.14 Agree a delegation to the Director of Neighbourhoods in consultation with the Portfolio Holder for Climate Change and Sustainability to approve the submission of supplementary information to the Government's Joint Air Quality Unit (JAQU).

## Reason for Recommendation

- 3.1 In July 2017 the Secretary of State issued a Direction under the Environment Act 1995 requiring seven Greater Manchester local authorities to produce a feasibility study to identify the option which would deliver compliance with the requirement to meet legal limits for nitrogen dioxide in their areas *in the shortest possible time*.
- 3.2 Rochdale Borough Council was not required to act under this Direction, however the Council was required to address the exceedances of nitrogen dioxide that have been identified within its boundaries during the Target Determination exercise. Rochdale BC has therefore been developing a feasibility study collectively with the other 9 Greater Manchester local authorities and the GMCA, and coordinated by TfGM in line with Government direction and guidance and an Outline Business Case (OBC) was duly submitted in March 2019.
- 3.3 Rochdale BC along with the other 9 Greater Manchester local authorities is now subject to a Ministerial direction dated 16 March 2020 requiring the submission of an Interim Full Business Case (FBC) (along with confirmation that all public consultation activity has completed) as soon as possible and by no later than 30 October 2020. Under this direction Rochdale BC along with the other 9 Greater Manchester local authorities is under a legal duty to ensure that the GM CAP Charging Clean Air Zone Class C with additional measures) is implemented so that NO<sub>2</sub> compliance is achieved in the shortest possible time and by 2024 at the latest and that human exposure is reduced as quickly as possible.

## Key Points for Consideration

4. Background / Introduction
- 4.1 Poor air quality is the largest environmental risk to the public's health. Taking action to improve air quality is crucial to improve population health.
- 4.2 Whilst air quality has been generally improving over time, particular pollutants remain a serious concern in many urban areas. These are oxides of nitrogen (NO<sub>x</sub>) and its harmful form nitrogen dioxide (NO<sub>2</sub>), and particulate matter (PM).
- 4.3 In Greater Manchester, road transport is responsible for approximately 80% of NO<sub>2</sub> concentrations at roadside, of which diesel vehicles are the largest source.
- 4.4 Long-term exposure to elevated levels of particulate matter (PM<sub>2.5</sub>, PM<sub>10</sub>) and NO<sub>2</sub> may contribute to the development of cardiovascular or respiratory

disease and may reduce life expectancy<sup>1</sup>. The youngest, the oldest, those living in areas of deprivation, and those with existing respiratory or cardiovascular disease are most likely to develop symptoms due to exposure to air pollution<sup>2,3</sup>.

- 4.5 Public Health England estimate the health and social care costs across England due to exposure to air pollution will be £5.3 billion by 2035 for diseases where there is a strong association with air pollution, or £18.6 billion for all diseases with evidence of an association with air pollution<sup>4</sup>.
- 4.6 The Secretary of State has instructed many local authorities across the UK to take quick action to reduce harmful Nitrogen Dioxide (NO<sub>2</sub>) levels, issuing a direction under the Environment Act 1995 to undertake feasibility studies to identify measures for reducing NO<sub>2</sub> concentrations to within legal limit values in the “shortest possible time”. In Greater Manchester, the 10 local authorities, the Greater Manchester Combined Authority (GMCA) and Transport for Greater Manchester (TfGM), collectively referred to as “Greater Manchester” or “GM”, have worked together to develop a Clean Air Plan to tackle NO<sub>2</sub> Exceedances at the Roadside, referred to as GM CAP.
- 4.7 The core goal of the GM Clean Air Plan is to address the legal requirement to remove ALL concentrations of NO<sub>2</sub> that have been forecast to exceed the legal Limit Value (40 µg/m<sup>3</sup>) identified through the target determination process in the “shortest possible time” in line with Government guidance and legal rulings.
- 4.8 Throughout the development of the plan GM has considered a range of options to deliver compliance, overseen by the GM Steering Group<sup>5</sup>, and to understand the type and scale of intervention needed to reduce NO<sub>2</sub> to within legal Limit Values in the “shortest possible time” across Greater Manchester.
- 4.9 A best performing option was recommended within an Outline Business Case (OBC) for further consideration and discussion with stakeholders and the public to aid the development of the Full Business Case.
- 4.10 In March 2019 the GM Authorities agreed the submission of the OBC that proposed a package of measures that was considered would deliver compliance in the shortest possible time, at the lowest cost, least risk and with the least negative impacts.
- 4.11 The OBC made clear the expectation that the UK Government would support the plans through:

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<sup>1</sup> Air Quality – A Briefing for Directors of Public Health (2017), <https://www.local.gov.uk/air-quality-briefing-directors-public-health>

<sup>2</sup> Air Quality – A Briefing for Directors of Public Health (2017), <https://www.local.gov.uk/air-quality-briefing-directors-public-health>

<sup>3</sup> RCP and RCPCH London, Every breath we take lifelong impact of air pollution (2016),

<https://www.rcplondon.ac.uk/projects/outputs/every-breath-we-take-lifelong-impact-air-pollution>

<sup>4</sup> <https://www.gov.uk/government/news/new-tool-calculates-nhs-and-social-care-costs-of-air-pollution>

<sup>5</sup> Members include Directors or Assistant Directors from each GM authority.

- Clear arrangements and funding to develop workable, local vehicle scrappage / upgrade measures;
- Short term effective interventions in vehicle and technology manufacturing and distribution, led by national Government with local authorities;
- Replacement of non-compliant buses; and
- A clear instruction to Highways England with regard to air pollution from the Strategic Road Network (SRN) in Greater Manchester<sup>6</sup>.

- 4.12 The GMCA – Clean Air Update report on 30 June 2020<sup>7</sup> detailed that in March 2020 the Government provided initial funding of £41m for clean vehicle funds to award grants or loans to eligible businesses: £15.4m for bus retrofit, £10.7m for Private Hire Vehicles, £8m for HGVs, £4.6m for coaches and £2.1m for minibuses. Note: These figures include JAQU estimated delivery costs at 5%.
- 4.13 The GMCA – Clean Air Update report on 25 August 2020<sup>7</sup> detailed updates on the developments of the GM Clean Air Plan including the Light Goods Vehicles (LGV) and hackney carriage funding position, interaction with the strategic route network and Highways England, confirmed arrangements for distributing funding received for bus retrofit and highlighted separate discussions with DfT about funding for bus replacement.
- 4.14 It set out a proposal for consultation, detailed the positions for consultation on the daily charges, discounts and exemptions, and the proposed funding offer for each of the supporting funds, and the Vehicle Finance offer. The report also considered the proposed Governance arrangements for the CAZ and that TfGM will act as an ‘operating body’ responsible for day to day operation of the CAZ and the implementation of other GM CAP measures.
- 4.15 The report also highlighted the link to taxi and private hire vehicle common minimum licensing standards (MLS). In 2018, GM’s ten local authorities agreed to collectively develop, approve and implement a common set of minimum licensing standards (MLS) for Taxi and Private Hire services that cover the whole of GM and to undertake parallel consultations for MLS and GM CAP, to ensure that so those affected by both policy positions can understand the full impact of the proposals and respond to the consultations.

## 5. COVID-19: The Impact on Air Quality

- 5.1 Since the COVID-19 pandemic has progressed there have been many

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<sup>6</sup> GM Authorities are directed to take action on the local road network those roads managed by Highways England, such as motorways and trunk roads are excluded from the Clean Air Plan.

<sup>7</sup> Also considered by the GM Authorities through their own constitutional decision-making arrangements.

questions asked about what its effects on traffic mean for Greater Manchester's Clean Air Plan (GM CAP). In particular, the GM Authorities have been asked for comparative data for Air Quality monitoring for this year – during the full lockdown period and more recently - compared with last year.

- 5.2 Whilst data from 2019 is available, the comparator data for 2020 isn't; this is because a full calendar year of results is needed to make a comparison with the relevant standard. The Government has directed GM (and other areas) under UK law to address exceedance of the Annual Average standard for NO<sub>2</sub> which is set at 40 ug/m<sup>3</sup>.
- 5.3 Greater Manchester issues its Air Quality data annually in the Air Quality Annual Status Report, so for 2020 this information will be published in June 2021. This is due to the fact that diffusion tube data (that measures NO<sub>2</sub> concentrations) needs to be validated, by application of a bias adjustment process.
- 5.4 The bias adjustment process uses co-location of diffusion tubes with continuous monitors, and comparison of the two measured concentrations. Data from our continuous monitors is considered provisional until it has been ratified through a Quality Assurance process, completed by an independent party in April of the following calendar year.
- 5.5 The diffusion tube results used to calculate the annual mean concentration, for comparison with Annual Mean NO<sub>2</sub> standard of 40 ug/m<sup>3</sup>, are processed once the continuous monitoring data is ratified, and the bias adjustment factor can be finalised.
- 5.6 Whilst the COVID-19 pandemic has caused changes that radically altered transport patterns and behaviour, the relaxation of 'lockdown 1' (March – May 20) travel restrictions since June led to increasing vehicle flows. By the introduction of 'lockdown 2' (November 20), traffic flows were at around 85% of typical pre-COVID-19 levels. Because the GM Clean Air Plan is required to take action to take NO<sub>2</sub> levels over a number of years into the future in order to demonstrate compliance with legal limits<sup>8</sup>, the nearer term influence of COVID-19 on air quality is not expected to lead to sufficiently long term reductions in pollution such that the modelled exceedances of the legal NO<sub>2</sub> limits will be met without implementing a Clean Air Zone.
- 5.7 In practice, there are many ways in which the pandemic could influence future emissions: in particular, sustained traffic reductions due to permanent increases in working from home or other lifestyle changes, or reductions in bus services due to a sustained decline in demand could reduce emissions, whilst an older fleet on the roads due to vehicle owners delaying vehicle purchases as a result of the pandemic and manufacturing constraints on new vehicles could delay expected necessary future improvements to the

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<sup>8</sup> The modelling approved by government of NO<sub>2</sub> concentrations in Greater Manchester predicts that exceedance of the legal limit is likely to continue until 2027, if action is not taken to reduce road vehicle emissions.

emissions of circulating vehicles.

## 6. COVID-19 Economic Impacts and Building Back Better

- 6.1 As has been outlined earlier in the report the core goal of the GM Clean Air Plan is to address the legal requirement to remove ALL roadside concentrations of NO<sub>2</sub> that have been forecast to exceed the legal Limit Value (40 µg/m<sup>3</sup>), identified through the target determination process, in the “shortest possible time” in line with Government guidance and legal requirements.
- 6.2 The aim of the Government’s funding set out in the plan is to assist vehicle owners with upgrading their vehicle to a compliant vehicle and to mitigate the negative socio-economic effects of the GM CAZ. Government funding for the clean air plans is limited and has not to date been designed in consideration of the economic effects of COVID-19, and given that all of GM’s proposals were prepared pre-COVID, GM has undertaken to make an assessment of the possible impacts of COVID-19 to inform a technical briefing note for decision makers. A review of the assumptions GM made in terms of the economic circumstances of impacted groups, is necessary as the ‘starting positions’ assumed in the policy positions for each of the measures will have changes as a result of COVID-19. As a result of COVID-19 it is anticipated that the impact the CAZ will have changed and GM needs to identify, where possible, what this change will bring and report this in the final proposals for decision makers to consider.
- 6.3 As a result of the pandemic, vehicle owners may not be starting from the same position as had been previously assumed in terms of their fleets and their ability to upgrade as a result of the GM CAP. They may therefore need more or different support to help them upgrade or to mitigate the impacts of the CAZ.
- 6.4 The timescales for GM CAP are determined by a Ministerial Direction. GM needs to launch a Clean Air Zone in 2022 to meet the requirement of the direction to secure compliance with NO<sub>2</sub> standards in the shortest possible time and by 2024 at the latest. As has been made clear in other reports, Ministers have written to Greater Manchester confirming that they expect measures to continue to be developed and the consultation to be undertaken as required by the Ministerial Direction.
- 6.5 GM must make a final plan no later than Summer 2021 in order to be in a position to launch a Clean Air Zone in 2022. The GM Authorities report on the Final Clean Air Plan will include the consultation results, the assessment of COVID-19 and a final recommended package of measures to ensure the achievement of NO<sub>2</sub> compliance in the shortest possible time and by 2024 at the latest as required by the Ministerial Direction. The report will be supported by the following documents:
- AECOM Consultation Report<sup>9</sup>
  - GM Authorities Response to the Consultation

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<sup>9</sup> AECOM – the independent agency who are managing and analysing the consultation responses

- Impacts of COVID-19 Report
- GM CAP Equality Impact Assessment following Consultation
- GM CAP Policy following Consultation
- Modelling report of final CAP package
- Economic implications of CAP

6.6 That plan will need to determine:

- the boundary discounts, exemptions and daily charges of a Clean Air Zone, and
- The amount of supporting funds.

6.7 In determining the final funding amounts this will in turn start the process of distributing the secured funding to those eligible, as per the 'final plan' GM CAP policy.

6.8 Supporting funds are critical to help businesses prepare for the launch of a Clean Air Zone. Elsewhere in this report it is described that when Leeds City Council opened their clean vehicle funds it enabled impacted groups to access funding and upgrade their vehicle prior to the scheme's launch. This is reported to have led to a dramatic shift to cleaner vehicles. This along with a smaller geographic area, and pandemic traffic levels led to a joint review with JAQU which found that air pollution in Leeds was significantly below legal limits and that it was likely to be maintained, meaning legal limits will be met without implementing a Clean Air Zone. It should be noted that at the outset air pollution levels were not as poor in Leeds as in GM, and compliance was expected to occur naturally earlier than the opening date for the GM CAP.

6.9 GM recognises the absolute importance of understanding what impacts the pandemic has had on air quality and businesses, ensuring any impacts are reflected in the final plans and the ongoing discussions with government. That is why the consultations asked for business feedback on this crucial issue, encouraging as wide a range of views as possible.

6.10 It is a very uncertain time and getting the right level of funding to support local businesses and organisations before the Clean Air Zone is introduced is key. Following the conclusion of the consultation, both GM CAP and MLS consultation responses will be analysed and reported on by AECOM an independent research agency.

6.11 GM will fully consider all the information and evidence gathered during the consultation, so that it can understand the consequences COVID-19 has had on vehicle owners and trades which will be directly affected by the GM CAP and MLS.

6.12 As set out in previous reports the Impacts of COVID report will include consideration of:

- whether the assumptions underpinning the GM CAP are still valid;
- whether GM will remain in exceedance of legal nitrogen dioxide limits under the proposals as they currently stand;
- the measures proposed in the package for consultation; and
- whether the proposed support package will be sufficient.

6.13 Given the timescales the GM Authorities are working to they need to be clear as to what assessments can be made, ahead of the determination of a final plan. The final plan report will:

- set out the revised assumptions underpinning the GM CAP and the uncertainty surrounding these;
- set out the revised policy positions for each of the measures including amount of supporting funds for eligible applicants; and
- include an assessment of the possible impact of COVID-19 on when GM will secure compliance.
- set out what level of funding GM will be seeking from government to support the individuals and smallest businesses who will be most economically vulnerable to the GM CAZ and where, given the impact of COVID-19 the previous amounts of grant funding to help upgrade to a compliant vehicle may not be enough to adequately mitigate the potential adverse economic impacts of both.

6.14 On the 4<sup>th</sup> January the Prime Minister announced a national lockdown and instructed people to stay at home to control the virus, protect the NHS and save lives. At the time of writing this report (6<sup>th</sup> January 2021) the implications for 'lockdown 3' on the GM Clean Air Plan are unknown. As the pandemic is unpredictable and dynamic, contemporary reporting on the progress on the development of the final plan will be provided by the Green City Region Lead, as required, at GMCA meetings.

## 7. Clean Air – Progress Since Last Update

### 7.1 Hackney Carriages & LGV fleet support

7.11 As reported in July, Government has accepted the need for vehicle replacement funds for Hackney Carriages, and Light Goods Vehicles, but requested further development of shared evidence on the needs within this complex sector before responding to the specific asks of is £80m for LGVs/vans and for Hackney Carriages it is £10.4m, plus delivery costs. GM has submitted this information, however at the time of writing the Government has not made an offer of funding. GM Authorities consulted on the financial proposal at the date of consultation.

### 7.2 Try Before You Buy & EV Taxi Infrastructure

7.2.1 GM is proposing a 'Try Before You Buy' Electric vehicle initiative for GM-licensed Hackney Carriage drivers to address uncertainties such as operating costs, range anxiety and availability of charging infrastructure.

This is similar to a scheme run by Nottingham City Council which resulted in a 40% conversion rate (40% of those who used the scheme then switched to an electric hackney). The funding ask for this is £1.9m, however Government has not yet made an offer of funding for this initiative.

7.2.2 GM is also proposing a network of 40 hackney/PHV-only rapid electric vehicle charging points to be funded via the GM CAP. These will be installed in suitable, available and sustainable locations, with a focus on re-purposing public sector assets and will be supported by the development of an EV Taxi (HC and PHV) charging membership scheme. The funding ask for this is £6.5m, and Government has not yet made an offer of funding for this initiative.

### 7.3 Clean Bus Fund – Replacement

7.3.1 It was assumed at OBC stage that an estimated 350 buses could not be retrofitted and that it would be for the market to find a solution. GM is looking to secure funding from the £5 billion of new funding for buses and cycling announced in the March budget. Alongside this, GM is proposing to Government that it requires circa £9m of funding plus delivery costs to support the replacement of non-compliant vehicles operating on registered bus services in GM that cannot be retrofitted; in this respect the Government have not made an offer of funding.

### 7.4 Strategic Road Network managed by Highways England

7.4.1 The 10 GM Authorities continue to ask the Government to direct Highways England to tackle NO<sub>2</sub> exceedances on the Strategic Road Network (SRN) in the same way GM Authorities are having to take action on the local road network.

7.4.2 In particular Tameside MBC has highlighted to Ministers that the inconsistency in approach is leaving many residents unprotected, particularly, around the A628/A57, a strategically important trans-Pennine route that passes through the villages of Hollingworth and Mottram as a single carriageway. This route, managed by Highways England, will be left with NO<sub>2</sub> exceedances that are not being addressed, despite the area being declared as part of GM's Air Quality Management Area.

7.4.3 As previously reported on 21 July 2020 a meeting was held between Rachel MacLean – Parliamentary Under Secretary of State for Transport, Councillor Brenda Warrington, Councillor Andrew Western, Jonathan Reynolds MP and Robert Lorgan MP. Minister MacLean listened to the concerns of GM politicians and committed to reviewing the options to deal with this issue.

7.4.4 On 25 August 2020, Tameside MBC were notified that Government ministers have agreed to consider extending Greater Manchester's Clean Air Zone (CAZ) charges to the sections of the A628/A57 which form part of the Strategic Road Network, within the proposed CAZ boundary. The extension of any charges to the A628/A57 will be subject to a full assessment of the potential impacts, to be led by Highways England. This will cover air quality

impacts on other roads, safety impacts, carbon impacts, as well as wider issues for Highways England, such as operational and network issues. Following the assessment ministers will take the final decision on whether or not charging should be implemented on the A628/A57. Tameside officers are involved in the work to ensure that it comes to a collective conclusion about the outcomes of the assessment, which is expected to be completed by early 2021. An update on progress can be found at Appendix 1.

## 7.5 Clean Bus Fund – Retrofit

7.5.1 As reported in July the Government awarded £14.7m as an initial tranche of funding to retrofit buses running services in GM that have older engines which are not compliant with the GM CAZ emission standards. Government also confirmed the funding award for Bus Retrofit funding should be distributed as a continuation of the Clean Bus Technology Fund. As this funding mechanism is distinct from the wider delivery of the GM CAP, no consultation feedback was requested on this aspect of the policy.

7.5.2 The distribution of Bus Retrofit funding commenced in December 2020.

7.5.3 This fund offers operators of locally registered bus services with up to £16k of funding per vehicle towards the retrofit of non-compliant buses before the launch of the Clean Air Zone in Spring 2022. The funding is available for vehicles, including minibuses and coaches, operating on a registered bus service within Greater Manchester. This includes cross-boundary services operating within the GM CAZ boundary.

## 7.6 Other Cities' Clean Air Plans

7.6.1 Since the last report to members in July there have been significant updates on the progress of other cities plans to implement Clean Air Zones.

7.6.2 Leeds City Council – statutorily consulted on their proposals 29 June – 12 August 2018 and in 2019 announced their Clean Air Zone would launch in 2020. They commenced distributing clean air funding in 2019 to encourage vehicle upgrade. The government's joint air quality unit (JAQU) recently undertook a joint review with Leeds to analyse the impact of COVID-19 on air quality and to understand if a Clean Air Zone remains necessary, or whether NO<sub>2</sub> compliance by the legally required timeframe can be achieved and maintained in other ways. Due to the dramatic shift to cleaner vehicles already delivered by the funding and by businesses preparing for the imminent launch of the CAZ, the review found that air pollution in Leeds is significantly below legal limits and that is likely to be maintained, even if traffic were to return to 'normal' levels or slightly higher. However, as set out in paragraph 3.6 this is not the case for the Greater Manchester Authorities where they have been instructed by government to proceed with the proposals.

7.6.3 Bath & North East Somerset announced on 8 October that their clean air zone, a city centre CAZ C, would take effect on 15 March 2021. This was initially due to launch in November 2020 but was delayed by the COVID-19

pandemic. The Council has opened access to its clean vehicle upgrade funds now, prior to the scheme opening, to enable impacted groups to upgrade their vehicles.

- 7.6.4 Birmingham announced on 8 October that their clean air zone will launch on 1 June 2021. The scheme, which is a city centre CAZ D, was initially due to launch in January 2020 but was delayed by issues with the Government's vehicle checker and then by impacts of the COVID-19 pandemic. Birmingham have opened up their clean vehicle funds to enable impacted groups to access funding and upgrade their vehicle prior to the scheme's launch.
- 7.6.5 Bristol consulted on their clean air zone proposals between 8 October and 13 December 2020. The Council consulted on a number of options while carrying out modelling work to look at the impact of green recovery measures. Option 1 would be a Clean Air Zone covering a small area of central Bristol where older, more polluting commercial vehicles and polluting private cars would pay to drive in the zone, referred to as 'small CAZ D'. Option 2 would be Option 1 plus a larger charging zone where older, more polluting commercial vehicles, but not private cars, would be charged to drive in the zone, referred to as 'medium CAZ C'. The full business case process is scheduled to be submitted in early 2021.
- 7.6.6 As far as GM is aware, all other authorities that received a ministerial direction to implement a clean air zone are proceeding with the development of their plans. Ministers have written to other authorities in similar terms to Greater Manchester confirming that they expect measures to continue to be developed where necessary. Some cities, such as Newcastle/Gateshead, are revising their initial proposals for a clean air zone. London's Ultra Low Emissions Zone (ULEZ), although not required under the same legislation as local authority clean air plans which are part of the clean air zone framework but has similar principles of charging the most polluting vehicles, is to be extended to the North and South Circular roads of inner London on 25 October 2021.

## 8. Clean Air Zone Preparatory Arrangements

- 8.1 In July 2019 on the basis of evidence provided as at that date, a Ministerial letter set out that the GM plan appeared to be on track to deliver compliance in the shortest possible time and that the Greater Manchester authorities should continue to proceed towards developing the implementation and contract arrangements of a charging Clean Air Zone in Greater Manchester. Government provided an initial tranche of £36m of funding to take this forward.
- 8.2 The ten Greater Manchester Local Authorities have been directed by Government to introduce a category C Clean Air Zone across the region, therefore the key elements of the Clean Air Zone including the intended boundary and times of operation, proposed discounts/exemptions, vehicles affected and daily charges, have been subject to a statutory consultation. The supporting measures, the detail of proposals of the funds and vehicle

finance were also set out at consultation to enable consultees to respond fully to the GM CAP proposals. Given that the 10 Local Authorities are subject to the direction to implement the CAZ, the preparatory procurement arrangements have commenced without a risk of the consultation outcome being pre-judged.

- 8.3 The ten Greater Manchester Local Authorities are undertaking the preparatory implementation and contract arrangements required to deliver the CAZ and other GM CAP measures. Preparatory work is required in order to maintain delivery momentum in line with the funding arrangements agreed with JAQU, for example in relation to automatic number plate recognition (ANPR) cameras, back office systems and service providers.
- 8.4 A description of the main procurements is set out in Appendix 2. This includes the date when formal contract awards are expected to be made to enable GM to deliver a charging Clean Air Zone in Spring 2022 to meet the timescales required by the Ministerial Direction.
- 8.5 TfGM is running the procurement exercise with potential suppliers to final evaluation and to provide a report to allow the authorities (as set out in section 9 a joint committee will be set up to delegate to TfGM) to make a decision to award to the successful supplier(s) on receipt of [confirmation of] funding from JAQU.
- 8.6 The 25 August 2020 report considered the proposed Governance arrangements for the CAZ and it was subsequently agreed by all 10 Greater Manchester Local Authorities and GMCA that TfGM will act as an 'operating body' responsible for day to day operation of the CAZ and the implementation of other GM CAP measures.
- 8.7 The 25 August 2020 report also set out that a future report would detail the formal governance mechanisms that will underpin the delivery of a GM Clean Air Zone (CAZ) and the supporting measures, including the powers that will need to be delegated to the Operating Body. Section 10 of this report considers the joint working arrangements that will be required.

## 9. Clean Air Consultation

### 9.1 Consultation Purpose and Delivery Arrangements

9.1.2 The ten Greater Manchester authorities conducted an eight-week consultation from 8 October to 3 December 2020 that adhered to the government's COVID-19 guidance around social distancing. The purpose of the consultation was to seek views from residents, visitors, stakeholders and businesses on the proposals to achieve compliant NO<sub>2</sub> levels in Greater Manchester. The Greater Manchester Minimum Licensing Standards consultation ran in parallel to ensure that those impacted and/or interested in the proposals could have a complete view of the proposed changes to vehicles and the financial support available.

9.1.3 The consultation was not seeking a decision on whether to introduce a

scheme as that has been directed by the Secretary of State; it set out a position for consultation on the daily charge, discounts and exemptions of a Category C GM Clean Air Zone, and the proposals for the supporting funds.

- 9.1.4 TfGM, on behalf of the ten Greater Manchester authorities, conducted the consultation, under the CleanAirGM branding. AECOM – an independent opinion research agency – was appointed to receive, manage, process and analyse the consultation responses on TfGM’s behalf; to undertake qualitative research on the proposals (a research method of facilitated sessions to seek feedback from representative groups); and produce a full report on the findings from the consultation.
- 9.1.5 The consultation was also supported by engagement activity to ensure all groups could engage with the consultation materials and respond in a meaningful way.

## 9.2 Consultation Documentation

- 9.2.1 The consultation materials were published on [www.CleanAirGM.com](http://www.CleanAirGM.com) on 8 October 2020. This included the [consultation document](#), the questionnaire, technical reports, the policy for consultation and supporting public facing materials such as leaflets and fact sheets. An animation outlining the proposals with subtitles and British Sign Language interpretation was also published.
- 9.2.2 Hard copies of the consultation document and questionnaire were sent to each local authority for distribution across the boroughs as deemed appropriate. These materials were also sent to every Travelshop operated by TfGM across Greater Manchester. Hard copies of other materials were available on request, as well as alternative formats.
- 9.2.3 In addition to the online and hard copy questionnaire, people could respond via a dedicated phonenumber, email or post. A language line facility was also in place for non-English speakers.

## 9.3 Consultation Methodology and Questions

- 9.3.1 The consultation questions were embedded throughout the consultation document and in the questionnaire.
- 9.3.2 The aim was to seek views on the detail of the proposed boundary (already set by the direction at GM-wide), the proposed operation, the proposed charges and discounts / exemptions, the supporting measures (funds, vehicle finance) and the impacts of Covid-19 on the ability of businesses / organisations to respond to the proposals.
- 9.3.3 During the consultation planning stage, an equality impact assessment was undertaken to ensure that the proposed consultation methodology did not exclude any groups with protected characteristics and that any issues arising due to the current situation in relation to COVID-19 were appropriately mitigated.

#### 9.4 Engagement and Awareness Raising Activity

- 9.4.1 GM and national-level engagement activity was coordinated and delivered by TfGM under the CleanAirGM branding. Each of the 10 GM authorities also implemented their own delivery plans for consultation with their residents and businesses. Full details of the GM level engagement delivered throughout the consultation can be found in Appendix 3.
- 9.4.2 The GM authorities used both online and offline channels to promote the consultation, (including social media, digital advertising, out of home advertising, media and PR, working with stakeholders and other routes). As traditional consultation-style events and drop-in sessions could not be hosted due to the restrictions on large gatherings, GM used online events, webinars, and social media in order to answer questions and engage. Activity undertaken at a local level will be included in local authority reports, as appropriate.
- 9.4.3 TfGM also developed a virtual exhibition space to provide an alternative way to engage with the consultation materials and speak to members of the CleanAirGM team, in the absence of face-to-face engagement. The platform had an online chat facility which operated for several hours a day at least six days a week.

#### 9.5 Qualitative Research

- 9.5.1 Alongside the consultation and engagement activity, qualitative research was also undertaken by AECOM to explore the impact of the proposals and the impact of Covid-19 on the most impacted groups. This included small and micro businesses, the taxi and private hire trade, the freight and logistics sector, public transport users and those with respiratory conditions.
- 9.5.2 The sessions took place as either focus groups or depth-interviews on Microsoft Teams and were facilitated by an independent moderator. Full details of the activity can be found in Appendix 4.
- 9.5.3 This research was conducted whilst the consultation was ongoing and will be reported within the consultation findings report.

#### 9.6 Final Response Numbers and Other Submissions

- 9.6.1 A total of 4765 responses were received during the consultation period:
- 3954 via online questionnaire
  - 767 via email
  - 43 paper questionnaires
  - 1 telephone response
- 9.6.2 The full AECOM Consultation Report will be published with the final plan.

9.6.3 Late responses (i.e. submitted after the deadline of 3 December 2020 at 23:59) are not counted in the final numbers of responses but will be summarised in a separate chapter of the report that will be produced by AECOM (the independent agency who are managing and analysing the responses to the consultation). Any late responses to the Clean Air consultation will be considered in the local authority reports on the outputs of the consultations to the extent that they are deemed to be material.

## 10. Clean Air Governance

10.1 The 25 August 2020 report considered the proposed Governance arrangements for the GM CAZ and it was subsequently agreed by all 10 GM Authorities and GMCA that TfGM will act as an 'operating body' responsible for day-to-day operation of the CAZ and the implementation of other GM CAP measures.

10.2 The 25 August 2020 report also set out that a future report would detail the formal governance mechanisms that will underpin the delivery of a GM Clean Air Zone (CAZ) and the supporting measures, including the powers that will need to be delegated to the Operating Body.

10.3 This section of the report considers the formal governance mechanisms and joint working arrangements that will be required to ensure that the 10 GM Authorities implement a charging Clean Air Zone in Spring 2022 so as to ensure the achievement of NO<sub>2</sub> compliance in the shortest possible time and by 2024 at the latest as required by the Ministerial Direction.

10.4 The formal governance mechanisms include the political oversight arrangements (to include to the oversight of the CAZ including monitoring and policy setting) and operating arrangements.

10.5 As there are several key charging authority functions that can only be discharged by the charging authorities (and as the GMCA is not a charging authority), the approach that GM will take will be to establish:

- a Joint Committee of charging authorities to enable decisions to be taken that are required to be taken jointly by the Constituent Authorities' as charging authorities in relation to the Greater Manchester Clean Air Zone; and
- a Joint Committee of the charging authorities and the GMCA to enable the joint discharge of the GMCA's and Constituent Authorities' functions under sections 82 to 84 of the Environment Act 1995 (Air Quality) and in relation to the Greater Manchester Clean Air Plan (excluding such decisions that must be taken by the charging authorities jointly under Part 3 of, and Schedule 12 to, the Transport Act 2000 and regulations made thereunder).

10.6 These formal governance arrangements need to be in place before the GM Authorities make a decision to award the contracts necessary, as set out in Appendix 2, to deliver a charging Clean Air Zone and other measures to

successful supplier(s). The terms of reference including the functions requiring delegation to the joint committees are set out in Appendix 6. The 10 GM local authorities are being asked to agree the establishment of the committees, nominate their committee members and terms of reference for the joint committees.

- 10.7 The proposed governance arrangements will also enable TfGM to discharge relevant local authority functions before decisions to award contracts to successful suppliers.
- 10.8 A description of the main procurements is set out in Appendix 2. This table includes the date when formal contract awards are expected to be made to enable GM to deliver a charging Clean Air Zone in Spring 2022 as required by the Ministerial Direction. They are imminent with the first being in March 2021 through the Summer of 2021.
- 10.9 Furthermore it is prudent and conventional on such a complex, multi-authority project, for there to be an agreement put in place between the 10 local authorities and GMCA/TfGM to clarify the rights, responsibilities and obligations of the authorities in relation to [those contracts and] the collective GM CAP, and setting out how all parties will work together to deliver the GM CAP up to and beyond the determination of the final plan.
- 10.10 The GM authorities are being asked to provide sufficient delegations for each Authority to be a party to the collaboration agreement between the 10 local authorities and GMCA/TfGM to clarify amongst other matters the rights, responsibilities and obligations of the authorities in relation to those contracts set out in Appendix 2.

#### State Aid

- 10.11 The consultation materials were published on [www.CleanAirGM.com](http://www.CleanAirGM.com) on 8 October 2020 in the [Policy for Consultation](#), GM outlined that the proposed measures would be subject to state aid restrictions. Subsequently there are new rules and arrangements in place. The EU-UK Trade and Co-operation Agreement (TCA) sets out the new obligations for Subsidy Control which replaces the State aid regime in the UK. The new rules must be considered in respect of all grants awarded from 1<sup>st</sup> January 2021. This will be taken into consideration in the development of the final plan.

#### 11. Minimum Licensing Standards and the GM Clean Air Plan

- 11.1 Taxi/PHV services are a significant part of GM's transport offer. In 2018, GM's ten local authorities agreed to collectively develop, approve and implement a common set of minimum licensing standards (MLS) for Taxi and Private Hire services that cover the whole of GM. At that time, the primary driver for this work was to improve public safety, but vehicle age and emission standards in the context of the Clean Air agenda are now also a major consideration.
- 11.2 As licensing is a local authority regulatory function, the work to devise the

Standards has been undertaken by the GM Licensing Managers Network, with TfGM supporting the co-ordination of this work, and alignment with other relevant GM policies, at a GM level.

11.3 There are four areas of focus for the MLS:

- Drivers: Criminal Records Checks; Medical Examinations; Local knowledge test; English language; Driver training; Driving Proficiency; Dress Code.
- Vehicles: Vehicle emissions (diesel Euro 6 and above, petrol Euro 4 and above with an ambition for a zero-emission capable fleet); Vehicle ages (under 5 years at first licensing, no older than 10 years); Vehicle colour (Black for Taxi/Hackney, white for Private Hire Vehicles);
- Vehicle livery (common GM design with Council logo incorporated); Accessibility (all Taxis to be wheelchair accessible); Vehicle testing; CCTV; Executive Hire; Vehicle design and licensing requirements.
- Operators: Private Hire Operators/staff will require basic criminal record check; more stringent requirements in relation to booking records; Operators to take more responsibility for the behaviour of their drivers.
- Local Authorities: Applications may be submitted up to 8 weeks in advance of license expiry; once determined, license issued within 5 working days; Agree to develop common enforcement approach and a framework to which licensing fees are set; Councillors to receive training before they hear applications.

11.4 Given the decarbonisation challenge, sectors such as transport need to take very significant action now to reduce carbon emissions. For taxis and PHVs to contribute will require them to switch to zero-emission capable (ZEC) vehicles. To invest in ZEC vehicles, taxi proprietors also require long term confidence in the local policy landscape, including future interventions and supporting infrastructure.

The trade has asked for certainty, funding, and long lead in times for these changes. This is extremely challenging within the current and emerging policy environment. Officers have developed policy proposals that can meet these needs as far as possible, which is why parallel consultations have been undertaken for MLS and GM CAP, and that charging, funding, and licensing policy positions are coherent and joined-up.

11.5 Ultimately the collaborative approach that the MLS represents will help achieve the vision of a strong, professional and healthy taxi and private hire sector providing safe and high-quality services to residents and visitors across the whole of Greater Manchester. This vision sees taxis and Private Hire as a crucial part of the overall transport mix that can consistently deliver safe and high-quality services for the public. The proposed MLS will help deliver improved safety, customer focus, higher environmental standards and accessibility.

11.6 In addition, GM understands that, like many parts of the economy, and in particular the transport sector, the taxi and private hire trade have been impacted by COVID-19, lockdown and the effects of social distancing policies. Therefore, the MLS consultation, which is a matter for the 10 district councils, included questions designed to elicit a fuller and more informed understanding of the wider effects of COVID-19 on the economic health and sustainability of the taxi and private hire trades.

## 12. MLS Consultation

### 12.1 Consultation Purpose and Delivery Arrangements

12.1.1 The ten Greater Manchester authorities conducted an eight-week consultation from 8 October to 3 December that adhered to the government COVID-19 guidance around social distancing. The purpose of the consultation was to inform the trade and the public of the proposals and engage impacted groups (the trade and the main service users) to build understanding and awareness to inform the final standards.

12.1.2 TfGM, on behalf of the ten Greater Manchester licensing authorities, conducted the consultation, under the GM Taxis Standards brand. AECOM – an independent opinion research agency – was appointed to receive, manage, process and analyse the consultation responses on TfGM's behalf; to undertake qualitative research on the proposals (a research method of facilitated sessions to seek feedback from representative groups); and produce a full report on the findings from the consultation.

12.1.3 The consultation was also supported by engagement activity with the trade to help ensure they could engage with the consultation materials and respond in a meaningful way.

### 12.2 Consultation Documentation

12.2.1 The consultation documentation was published on [www.gmtaxistandards.com](http://www.gmtaxistandards.com) on 8 October 2020. This included the [consultation document](#), the questionnaire and supporting public facing materials such as leaflets and factsheets. An animation outlining the proposals with subtitles and British Sign Language interpretation was also developed.

12.2.2 Hard copies of the consultation document and questionnaire were sent to each local authority for distribution across the boroughs as deemed appropriate. These materials were also sent to every Travelshop operated by TfGM across Greater Manchester. Hard copies of other materials were available on request, as well as alternative formats.

12.2.3 In addition to the online and hard copy questionnaire, people could respond via a dedicated phonenumber, email or post. A language line facility was also in place to support non-English speakers.

### 12.3 Consultation Methodology and Questions

- 12.3.1 The consultation questions were embedded throughout the consultation document and in the questionnaire.
- 12.3.2 The aim was to seek views on the proposed driver standards, vehicle standards, operator standards, local authority standards, local authorities, the proposed implementation timetable and the impacts of COVID-19 on the ability of businesses / organisations to respond to the proposals.
- 12.3.3 During the consultation planning stage, an equality impact assessment was undertaken to ensure that the proposed consultation methodology did not exclude any groups with protected characteristics and that any issues arising due to the current situation in relation to COVID-19 were appropriately mitigated.

### 12.4 Engagement and Awareness Raising Activity

- 12.4.1 GM engagement activity was coordinated and delivered by TfGM under the GM Taxi Standards brand. Each of the 10 GM communications and engagement teams and licensing teams supported this delivery plan, with their own local plans. Full details of the GM level engagement delivered throughout the consultation can be found in Appendix 3.
- 12.4.2 The GM authorities used both online and offline channels to promote the consultation, (including social media, digital advertising, out of home advertising, media and PR, working with stakeholders and other routes).
- 12.4.3 As traditional consultation-style events and drop-in sessions could not be hosted due to the restrictions on large gatherings, GM used online events, webinars, social media and promoted a phone number, in order engage with the public and impacted groups.
- 12.4.4 TfGM also developed a virtual exhibition space to provide an alternative way to engage with the consultation materials.

### 12.5 Qualitative Research

- 12.5.1 Alongside the consultation and engagement activity, qualitative research was also undertaken by AECOM to explore the impact of the proposals and the impact of COVID-19 on the trade and key users.
- 12.5.2 The sessions took place as either focus groups or interviews on Microsoft Teams and were facilitated by a moderator. Full details of the sessions can be found in Appendix 5.
- 12.5.3 This research was conducted whilst the consultation was ongoing and will be reported within the consultation findings report.

### 12.6 Final Response Numbers and Other Submissions

12.6.1 A total of 1682 responses were received during the consultation period:

- 1552 via online questionnaire
- 46 via email
- 84 paper questionnaires

12.6.2 The full AECOM Consultation Report will be published with the final plan.

12.6.3 Late responses (i.e. submitted after the deadline of 3 December 2020 at 23:59) are not counted in the final numbers of responses but will be summarised in a separate chapter of the report that will be produced by AECOM (the independent agency who are managing and analysing the responses to the consultation). Any late responses to the MLS consultation will be considered in the local authority reports on the outputs of the consultations to the extent that they are deemed to be material.

### 13. Next Steps

13.1 GM needs time to:

- Review all the information gathered through the GM CAP and MLS consultations.
- Fully consider all the information and evidence gathered, so that it can understand the consequences of COVID-19 has had on vehicle owners and trades affected by the GM CAP and MLS.
- Undertake the subsequent equalities, air quality and emissions impact assessments, this work will be vital to inform future decisions on each aspect of the final plan.

13.2 It is proposed that for the GM CAP a final plan will be brought forward for decision makers as soon as is reasonably practicable and no later than summer 2021, and at this time the outputs of the MLS consultation will also be reported.

13.3 Officers will:

- Continue dialogue with JAQU to secure a clear response from government on GM's outstanding clean air funding asks;
- Continue to undertake the preparatory implementation and contract arrangements that need to be undertaken to deliver the CAZ and other GM CAP measures;
- Continue work to understand the possible impacts of COVID-19 on the GM CAP and MLS;
- Continue to assess the findings of the consultation and develop a final Clean Air Plan (as set out at paragraph 5.5) for consideration by the 10 Greater Manchester Local Authorities; and
- Consider the proposed approach to the consideration and adoption of MLS by the 10 Greater Manchester Local Authorities.

## Costs and Budget Summary

- 14.1 Financial Consequences – Revenue: Initial Financial Case set out in Clean Air Plan OBC (March 2019), with all development and delivery costs to be covered by central Government
- 14.2 Financial Consequences – Capital: Initial Financial Case set out in Clean Air Plan OBC (March 2019), with all development and delivery costs to be covered by central Government

## Risk and Policy Implications

- 15.1 Equalities Implications: Equality Impact Assessment was completed for consultation and can be found at [here](#). This will be updated and published with the final plan.
- 15.2 Climate Change Impact Assessment and Mitigation Measures: The GM CAP is a place based solution to tackle roadside NO<sub>2</sub> and proposes measures to secure funding for Electric Vehicle charging infrastructure, as well as ensuring that a mechanism is put in place for the large scale rollout of replacement electric buses, which will have a positive impact on carbon.
- 15.3 Risk Management: Initial risk register set out in Clean Air Plan OBC (March 2019)
- 15.4 Legal Considerations: legal considerations are set out in the body of the report.

Number of appendices to the report: 6 (six)

## Consultation

16. Detailed in Sections 9 and 12 inclusive.

Background Papers	Place of Inspection
17. <ul style="list-style-type: none"><li>31 July 2020, report to GMCA: Clean Air Plan Update</li><li>29 May 2020, report to GMCA: Clean Air Plan Update</li><li>31 January 2020, report to GMCA: Clean Air Plan Update</li><li>26 Jul 2019, report to GMCA: Clean Air Plan Update</li><li>1 March 2019, report to GMCA: Greater Manchester's Clean Air Plan</li></ul>	<a href="https://cleanairgm.com/">https://cleanairgm.com/</a>

<p>– Tackling Nitrogen Dioxide Exceedances at the Roadside - Outline Business Case</p> <ul style="list-style-type: none"><li>• 11 January 2019, report to GMCA/AGMA: Clean Air Update</li><li>• 14 December 2018, report to GMCA: Clean Air Update</li><li>• 30 November 2018, report to GMCA: Clean Air Plan Update</li><li>• 26 October 2018, report to GMCA: GM Clean Air Plan Update on Local Air Quality Monitoring</li><li>• 15 November 2018, report to HPEOS Committee: Clean Air Update</li><li>• 16 August 2018, report to HPEOS Committee: GM Clean Air Plan Update</li><li>• UK plan for tackling roadside nitrogen dioxide concentrations, Defra and DfT, July 2017</li></ul>	
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