

## **1 APPENDIX 1 – UPDATE ON ASSESSING IMPACTS OF EXTENDING GREATER MANCHESTER’S CLEAN AIR ZONE (CAZ) CHARGES TO THE SECTIONS OF THE A628/A57**

- 1.1 As set out at 5.4 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
- 1.2 The assessment of the potential impacts work has commenced. The scope of work produced by Highways England, Tameside and TfGM addresses air quality, carbon, safety and consideration of wider network operations. The scope of work will be submitted to DfT for approval. The scope is clear it will consider the extents of any charging on the SRN (A57 / A628), will be limited to within Tameside administrative boundary in line with the proposed boundary of the GM Clean Air Zone (CAZ).
- 1.3 The scope outlines the assessment will follow a staged approach, increasing the level of detail and information required as necessary.

### Stage 1

- a high-level assessment, to determine the number of non-compliant HGVs, buses, taxis and vans that are predicted to use the A57 / A628 as a strategic through route staying on the SRN transiting the region and not entering Greater Manchester (GM) Clean Air Zone (CAZ);
  - an estimation of the likely air quality benefits on the A57 / A628 from including this section of road within the charging CAZ; and
  - JAQU have confirmed that the location of predicted exceedances in 2023 provided by TfGM to date are qualifying features for the reporting requirements for Limit Values.
- 1.4 If the high-level assessment completed at Stage 1 indicates that it is possible for charging on the A57/A628 to deliver material improvements to predicted exceedances or achieve limit value compliance a year earlier on the A57/A628 than without charging, then the assessment work would move to Stage 2.

### Stage 2

- A more detailed investigation of traffic movements along the A57 / A628 and movements in and out of proposed GM charging CAZ;

- Detailed air quality modelling of the impacts and effect of charging on the SRN. It is anticipated that Highways England would work in partnership with TfGM to complete this work as they have the models, including driver behaviour responses already developed.
- Depending on the anticipated behavioural response to charging:
  - Identification of likely alternative routes HGVs and vans would take to move between their origin and destinations;
  - Calculation of changes in carbon dioxide emissions for HGVs and vans associated with these new routes;
  - A review of the safety implications for additional HGVs and van movements on alternative routes;
  - Commentary of the impacts for operating and maintaining the network associated with changes in traffic movements along the A57 / A628 corridor and the use of alternative routes.

1.5 The assessment to date highlights GM's material point that Government's requirements of Highways England in respect of NO<sub>2</sub> are not the same as the approach they have taken in respect of the GM authorities who have been directed to take action on the local road network. The appraisal approaches required by Government are not consistent in their interpretation of Highways England and local authority roads, which reflects the typically differing nature of public access immediately adjacent to local roads and motorways. However, the A57/A628 section of the SRN is atypical in that it more closely resembles a 'local road' environment with public residences at the kerbside. It has therefore been determined in the scope of works to apply the approach used by the GM Authorities in modelling the GM CAP.

### **Initial Outputs**

- 1.6 Highways England, Tameside and Transport for Greater Manchester noted that work to date as part of the GM CAP shows that the introduction of a GM Clean Air Zone leads to a 3 to 4µg/m<sup>3</sup> reduction in annual mean NO<sub>2</sub> concentrations for properties adjacent to the A57 and A628 when first opened. On expiry of the temporary exemption for LGVs and minibuses, NO<sub>2</sub> concentrations reduce by a similar amount again, providing a total improvement of 6 to 8µg/m<sup>3</sup>.
- 1.7 Further analysis and air quality modelling as part of this study indicates that there are expected to be NO<sub>2</sub> exceedances in 2023 with the GM CAZ operational, and also there are expected to be additional NO<sub>2</sub> reductions from charging on this section of the SRN. Therefore, as the early indication is that it is possible for charging to deliver material improvements to predicted exceedances on the A57/A628 than without charging, work will progress to Stage 2.
- 1.8 As part of stage 2 the study will continue to refine the traffic data and associated air quality modelling, reviewing the results to understand what they mean for this study.

Procurement Activity	Reason for Procurement	Procurement Approach	Estimated Contract Value £m*	Anticipated Contract Award Date	Funding Required from JAQU to enable contract award
CAZ Signage	Signs are required to be placed on the highway network to support the implementation of the GM CAZ. The signage will need to be placed within the GM CAZ and at entry and exit points on the Strategic Route Network and neighbouring authorities <sup>1</sup> .	A procurement exercise has been undertaken for entry, exit and advance, repeater and advance direction signage, to cover the manufacture, installation, management and de-commissioning of such signs. Advanced warning signs on the Strategic Road Network required for CAZ are to be procured separately by Highways England, who manage this network.	£2.55m(CAPEX)	March 2021	n/a funded by £36m initial funding award
CAZ Service	Automatic Number Plate Recognition (ANPR) cameras will be used to detect vehicles through the capture of Vehicle Registration Marks (VRMs) and record evidential data of their entry into the GM CAZ. ANPR cameras will be installed at key locations across the region.	Procurement is being run through a competitive dialogue procedure to acquire the following services under a single contract: 1) A Vehicle Detection and Processing Service to operate and maintain the ANPR devices; 2) A CAZ Office Service that will: • service customers, so as to handle individual queries from members of the public regarding the GM CAZ; and • enable integration with the via a Central Government Payment Portal. 3) A Penalty Enforcement Service that will enable ‘case management’, and interface to the DVLA, to issue Penalty Charge Notices (PCNs) and where necessary the Traffic Enforcement Centre (TEC), Traffic Penalty Tribunal (TPT) and the Enforcement Agents, and track the progress of the PCN.	£62.0m (CAPEX) £98.5m (OPEX)	Summer 2021	£38m plus £24m from the initial funding award
CAZ Debt Recovery	A Debt Recovery Service will be required to progress debt management and to secure payment of outstanding fines, penalties and any charges as directed by the TEC and TPT.	This contract will be a call-off from the Crown Commercial Services (CCS) framework to recover outstanding debts both nationally and internationally.	£40.7m	May 2021	n/a will be funded by the operational revenues of the Clean Air Zone
Vehicle Funds - Clean Vehicle Funds Service	Owners or registered keepers of a non-compliant vehicle that will be subject to the GM CAZ charges may be eligible to apply for financial support towards upgrading to a compliant vehicle, subject to meeting eligibility criteria. The Clean Vehicle Administration of the Clean Air Funds will be delivered through a Financial Conduct Authority (FCA) authorised Clean Vehicle Fund Service (CVFS) and a panel of FCA	<ul style="list-style-type: none"> <li>• Provide a “digital first” entry point for the customer, and an automated process so applicants will quickly be able to access information on funding options available to them and to make an application.</li> <li>• Manage a network of dealerships accredited to receive grant payments.</li> <li>• Provide applicants with non-compliant vehicles who successfully passed eligibility testing the option of either a grant or vehicle finance funding option and progress sourcing a vehicle.</li> <li>• An Applicant who chooses the grant option will be able to access an accredited dealership<sup>3</sup> list to redeem the grant monies through a voucher issued through the CVFS.</li> <li>• A database of all applications made for grant and vehicle finance and the funding route chosen.</li> <li>• Interface management between the CVFS and the Financiers in order to deliver a digital customer journey.</li> <li>• A robust process for monitoring of the funds. N.B. if there is a lower take up of the Clean Funds Scheme</li> </ul>	£4.56m	May 2021	£4.56m

<sup>1</sup> Formal agreement of the precise location of the CAZ signage, this can only be decided once the boundary is finalised in the Final Plan Report.

<sup>3</sup> Dealerships will be able to apply through the platform for accreditation to the Clean Funds Scheme and therefore receive grant payments. Dealerships will be required to be FCA authorised (or exempt as appointed representatives of FCA authorised Principal firms); and agree electronic Term’s and Condition’s for the scheme.

Procurement Activity	Reason for Procurement	Procurement Approach	Estimated Contract Value £m*	Anticipated Contract Award Date	Funding Required from JAQU to enable contract award
	authorised Financiers <sup>2</sup> .	than expected volumes (or higher than expected in a particular funding tranche), GM can widen the eligibility criteria through the CVFS without prejudice to existing Applicants contained within the CVFS database.			
Vehicle Funds - Vehicle Financiers		<ul style="list-style-type: none"> <li>Provide applicants with non-compliant vehicles who successfully passed eligibility testing and choose the vehicle finance funding option access to asset finance and leases at contributory rates to owners of eligible vehicles with the GM CAP Clean Funds Scheme providing the value of the contribution.</li> <li>Interface with the CVFS for hand-over of data through the CVFS on all applicants who have passed the eligibility checks and chosen to take the contributory vehicle finance funding option.</li> <li>Be required to supply all management information requirements of the fund measures.</li> </ul>	£114m <sup>4</sup>	May 2021	£6.1m
Diffusion Tubes & Air Quality Monitoring	Air Quality monitoring will be critical in confirming that the GM CAP is delivering the necessary trajectory of air quality improvement and compliance with air quality standards. Air Quality will be measured via a combination of Diffusion Tubes and Continuous Monitors	The diffusion tubes tender was issued to market in November 2020. The scope of the procurement for diffusion tube air quality monitoring includes the supply, installation and decommissioning of the diffusion tubes at 467 monitoring sites, monthly monitoring and provision of analysis to support the GM CAP programme.	££1.5m	April 2021	n/a will be funded by the operational revenues of the Clean Air Zone
EV Taxi Try before You Buy (TBYB)	<p>The GM CAP and the proposed GM MLS will require Hackney Carriages to meet stricter emissions standards, which will mean a significant proportion of the trade will need to upgrade to compliant vehicles.</p> <p>The Hackney ZEC/EV rental initiative for drivers that are uncertain about transitioning straight to ZEC.</p>	TBYB scheme is awaiting a Government offer of funding. The procurement strategy will be defined during early 2021s	£1.0 m	Autumn 2021	£1.0m

\*With the exception of the Signage, the contract values are estimates which will be firmed up once bids are received.

<sup>2</sup> TfGM, the ten Greater Manchester local authorities and GMCA will not be party to any vehicle selection, specification and supply or to any of the financial agreements between the Financiers and the vehicle owners. TfGM will not be required to be FCA authorised.

<sup>4</sup> This sum represents the maximum that could be disbursed to Financiers should all applicants apply for finance.

### **3 APPENDIX 3 – ENGAGEMENT ACTIVITY WITH NATIONAL AND GREATER MANCHESTER-WIDE STAKEHOLDERS AND ORGANISATIONS REPRESENTING IMPACTED INDIVIDUALS AND BUSINESSES**

- 3.1 During the consultation TfGM, on behalf of the 10 GM local authorities contacted c.200 national and regional stakeholders who represented individuals or businesses who would be impacted by the GM Clean Air Plan and GM Minimum Licensing Standards.
- 3.2 Information was shared with these organisations (including digital toolkits) so that stakeholders could inform their members and networks of the consultation as well as providing the stakeholders with an opportunity to participate in meetings and webinars.
- 3.3 In total, there were 43 briefing sessions with impacted groups, which were attended by more than 300 people. This included 12 sessions for Taxi and PHV trade and drivers, plus 31 with businesses and representative bodies, including Federation of Small Businesses, CBI, British Horse Society, National Farmers Union, Confederation of Passenger Transport and Road Haulage Association.
- 3.4 Content was shared by many stakeholders including: GM Growth Company, GMCVO Friends of the Earth Manchester, Business Bolton, Salford CVS, GM Ageing Hub, ProManchester, CityCo, GM Health and Social Care Partnership, GM Chamber, Bury Means Business, High Peak BC, Confederation of Passenger Transport, Altrincham Partnership, Action Together, BVRLA, Love Old Trafford, Wythenshawe Forum, Manchester BID, Federation of Small Business, Wroughtington, Wigan, and Leigh NHS, GM Cycling and Walking Commissioner, Clean Air UK, Rochdale Youth Service, Trafford Partnership, Health Watch Manchester, University of Manchester (this is a sample, rather than comprehensive list).
- 3.5 Through these networks sharing content, it can be estimated that more than 500K impacted businesses and individuals were reached via stakeholder social media channels.
- 3.6 As well as this, the Clean Air GM newsletter was issued at various points during the consultation, to those who had subscribed, which currently has just over 4,000 subscribers.

## **4 APPENDIX 4 – CLEAN AIR PLAN QUALITATIVE RESEARCH**

### **Individuals**

- 2 groups with outside GM respondents who make trips into the GM region
- 2 groups with Inside GM respondents who use a mix of modes and live in areas of poor air quality and a mix of income levels (1 aged 18-40 and 1 aged 41+)
- 1 group with inside GM taxi/ PHV users
- 2 groups with inside GM respondents (50% from poor air quality areas and 50% from better air quality areas) (1 group aged 18-40 and 1 aged 41+)
- 2 groups with inside GM respondents (mix of modes used – 1 group aged 18-34 and 1 group aged 35+)
- 2 groups with inside GM respondents (bus and taxi/PHV users – 1 aged 18-34 and 1 group aged 35+)
- 1 group with inside GM respondents (campervan and horsebox owners)
- 1 depth with outside GM respondent (horse transportation vehicle)

### **Taxi / PHV**

- 30 depth interviews with taxi drivers
- 10 depth interviews with taxi operators (1 from each LA)
- 4 groups with taxi users

### **Businesses – all with impacted vehicles**

- 1 group with outside GM businesses (agriculture/ Waste Management/ Construction)
- 1 group with inside GM businesses (agriculture/ Waste Management/ Construction)
- 1 x group with inside GM businesses (retail)
- 1 x group with inside GM business (minibus/ coach operators/ voluntary sector)
- 1 x group with inside GM business (manufacturing)
- 1 x group with outside GM businesses (retail)
- 1 x group with inside GM businesses (construction/ retail)
- 1 x group with outside GM businesses (minibus/ coach operators)
- 1 x group with inside GM businesses (gardener/florist)
- 1 x group with inside GM business (night time economy)
- 1 x depth with waste management business (inside GM)
- 1 x depth with manufacturing business (inside GM)
- 1 x depth with coach/ minibus business (inside GM)
- 1 x depth with plumbing and gas business (inside GM)
- 1 x depth with butchers business (outside GM but travel into GM for trade)

## **5 APPENDIX 5 – MLS QUALITATIVE RESEARCH**

### **Depth interviews**

- 30 depth interviews with taxi drivers
- 10 depth interviews with taxi operators (1 from each Local Authority area)

### **Focus groups**

- 4 groups with taxi users
  - All users use taxi / PHV once a fortnight or more
  - 1 Female only group
  - 17 respondents
    - 13 female / 4 male
    - Range of ages (between 18 and 65+)
    - 5 had physical or mobility disabilities which affected their travel choices
    - At least one respondent from each of the 10 districts

## **6 APPENDIX 6 – JOINT COMMITTEES TERM OF REFERENCE**

### **Clean Air Charging Authorities Committee – Terms of Reference**

#### **General**

- The Clean Air Charging Authorities Committee is a joint committee created by the ten Greater Manchester local authorities (“the Constituent Authorities”) under section 101(5) of the Local Government Act 1972 and Part 4 of the Local Authorities (Arrangements for the Discharge of Functions) (England) Regulations 2012.

#### **Membership of the Committee**

- The membership of the committee shall be ten, consisting of the lead executive member for clean air of each of the Constituent Authorities from time to time. The Constituent Authorities shall also each nominate a substitute executive member to attend and vote in their stead.

#### **Role of the Committee**

- 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.

#### **Powers to be discharged by the Committee**

- The Committee shall have power to take all such decisions of the Constituent Authorities (as charging authorities) that must be taken jointly under Part 3 of, and Schedule 12 to, the Transport Act 2000 and any regulations made thereunder.

This includes, but is not limited to:

Making and varying a joint local charging scheme order;

Decisions of the charging authority under such a joint local charging scheme and the Road User Charging Schemes (Penalty Charges, Adjudication and Enforcement) (England) Regulations 2013.

#### **Operation of the Committee**



- The Committee shall appoint a chair at its first meeting;
- The Quorum of the Committee shall be 8 members;
- Each member shall have one vote;
- The Chair shall not have a casting vote;
- Unless required by law, decisions shall be made by a simple majority.

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## **Air Quality Administration Committee – Terms of Reference**

### **General**

- The Air Quality Administration Committee is a joint committee created by the ten Greater Manchester local authorities (“the Constituent Authorities”) and the Greater Manchester Combined Authority (“the GMCA”) under section 101(5) of the Local Government Act 1972 and Part 4 of the Local Authorities (Arrangements for the Discharge of Functions) (England) Regulations 2012.

### **Membership of the Committee**

- The membership of the committee shall be eleven, consisting of the lead executive member for clean air of each of the Constituent Authorities and the relevant portfolio holder responsible for clean air of the GMCA from time to time. The Constituent Authorities and the GMCA shall also each nominate a substitute executive member/assistant portfolio holder to attend and vote in their stead.

### **Role of the Committee**

- 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).

### **Powers to be discharged by the Committee**

- The Committee shall have the power to discharge jointly:
- the GMCA’s and the Constituent Authorities’ functions under sections 82 to 84 of the Environment Act 1995
- the GMCA’s functions in relation to the Greater Manchester Clean Air Plan (including the taking of action likely to promote or improve the economic, social or environmental well-being of Greater Manchester in connection with it and the use of grants made by the Secretary of State under section 31 of the Local Government Act 2003 to implement that plan).

- the Constituent Authorities functions under the Greater Manchester Clean Air Plan including those under Part 3 of, and Schedule 12 to, the Transport Act 2000 and regulations made thereunder (excluding any decision thereunder that must be taken jointly by charging authorities) including, but not limited to:
- action required under the Environment Act 1995 (Greater Manchester) Air Quality Direction 2020 (other than the making of the joint local charging scheme);
- the exercise of their powers under sections 176, 177 and 192 of the Transport Act 2000;
- the application of the Constituent Authorities' shares of any net proceeds of a joint local charging scheme made by them.
- The discharge of such functions includes the doing of anything which is calculated to facilitate, or is conducive or incidental to, the discharge of any of those functions.

### **Operation of the Committee**

- The Committee shall appoint a chair at its first meeting;
- The Quorum of the Committee shall be 8 members;
- Each member shall have one vote;
- The Chair shall not have a casting vote;
- Unless required by law, decisions shall be made by a simple majority.