



Friends of Carrington Moss

Air Quality Workshop



Workshop Purpose and Agenda



Working together to secure air quality improvements and reduce health risks

Key Aim:

To work collaboratively to seek ways of improving air quality on and around Carrington Moss, with the ambition of influencing Trafford's Masterplan for the area and Trafford's Carbon Neutral Action Plan.

Purpose:

To agree a shared set of strategic principles that are considered when developing the Masterplan for the area, providing practical inputs about the impact of poor air quality on local populations and wildlife, to support future decision making.

In addition, to consider appropriate actions, short, medium and longer term to ensure air pollution on and around Carrington Moss does not exceed agreed legal limits.

Agenda:

- Introductions and Welcome
- The impact of air pollution on health in GM – Sue Huyton, Regional Policy and Campaigns Officer Asthma UK & British Lung Foundation
- Discussion 1: Agreeing some key design principles
- Air Quality Metrics for the area – Liz Harvey, Chair, Carrington Parish Council, Marj Powner, Chair, Friends of Carrington Moss
- Discussion 2: Opportunities and challenges in relation to improving air quality on and around Carrington Moss
- Hilti Sustainability Strategy – Chris Jones. Head of Project Business Logistics (Northern Europe) at Hilti Great Britain
- Discussion 3: Identifying key actions and next steps
- Closing Remarks

Policy Context

Influencing the focus for Air Quality in Trafford

Trafford declared a climate emergency in November 2018

Greater Manchester committed to carbon neutral by 2038

Trafford's Carbon Neutral Action Plan (achieve 13.4% annual emissions reduction (average) and carbon zero by 2041

Climate change impacts the most disadvantaged communities the most severely

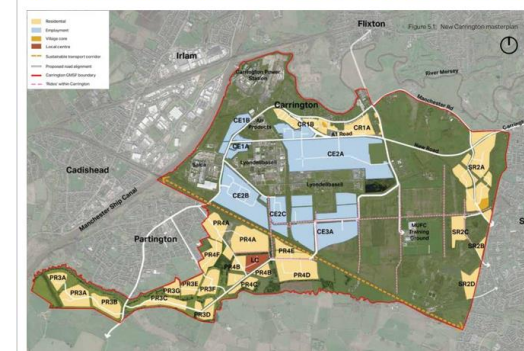
Strategic context includes:

- Greater Manchester Strategy
- Greater Manchester Spatial Framework
- 5 Year Environment Plan
- Clean Air Plan
- TfGM's Transport Strategy 2040
- Report of the Director of Public Health (Trafford) 2019



The New Carrington Masterplan


New major roads (4), new homes (5k), new industrial (380k m²)



Potential additional challenges for air quality in the area:

- Significant increases in traffic
 - Cars and HGVs
 - Residents and employees
- Potential additional pollution from businesses (site is focused on industrial/ warehousing not digital, green jobs, etc)
- Significant loss of green belt (169 ha)





Carbon Neutral Action Plan
December 2020

Objectives include, for Transport and Travel:

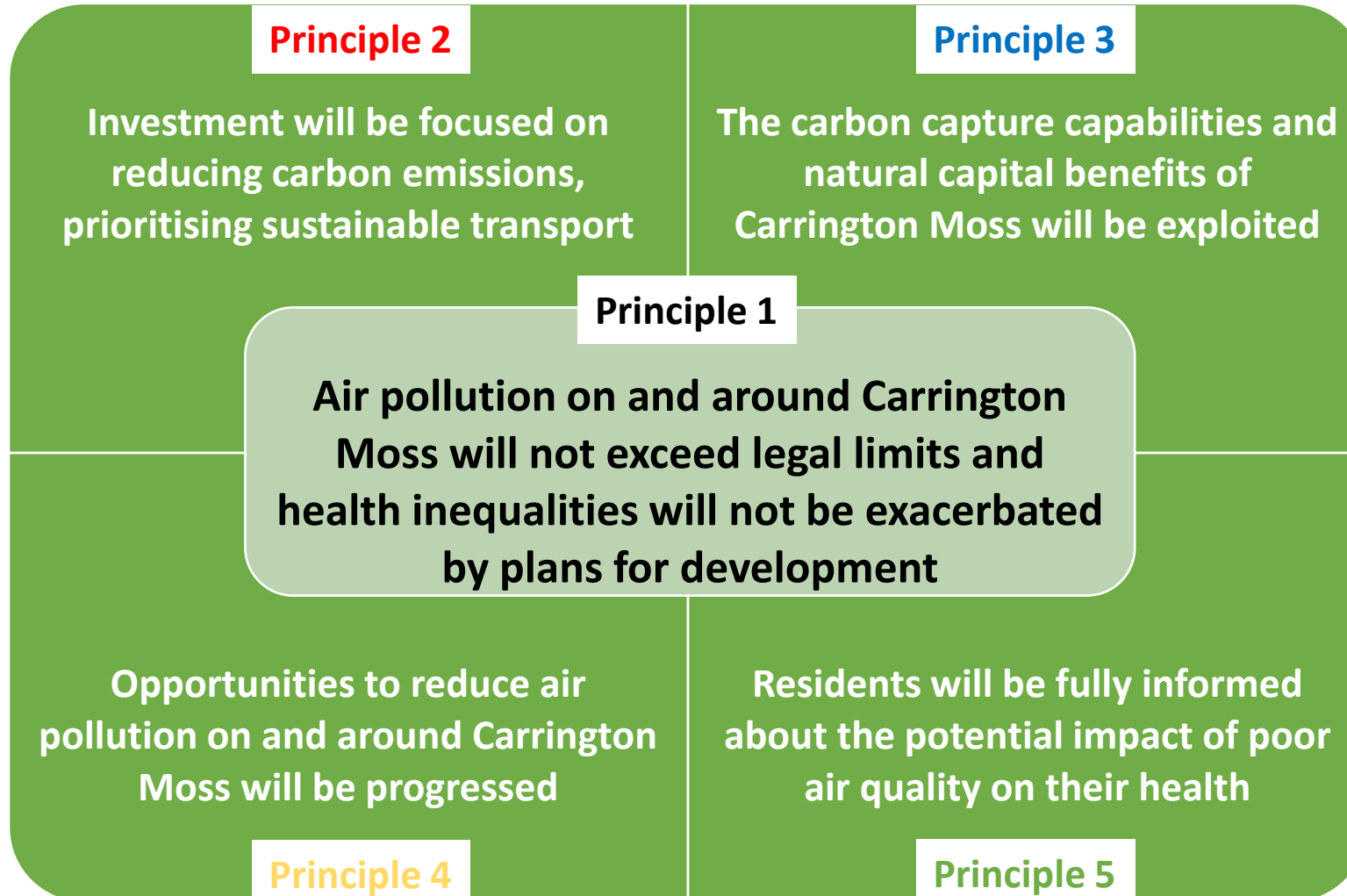
- Reduce roadside NO₂ levels, discourage polluting commercial vehicles from travelling and switch to cleaner, low emission vehicles.
- Increase the level of sustainable/active travel and improve walking and cycling infrastructure
- Reduce the need to travel and by car
- Move to a more green, multi-modal approach for the logistics sector

and for the Natural Environment

- Expand Trafford's Urban Forest for climate change and adaptation benefits
- Deliver priority greenspace and natural capital projects
- Biodiversity and Nature Recovery

Discussion 1

Draft Design Principles:



Attendees will consider the 5 draft principles shown in the graphic:

- Participants will use the online white board to suggest alternative wording or to add new principles
- Ideas and suggestions will be discussed during the session
- The principles will be updated and circulated after the workshop, providing the opportunity for final inputs and changes

Air Quality Monitoring

Very worrying readings!



Carrington Village NO₂ Results (without bias adjustment):

	Oct-20	Nov-20	Variation	Dec-20	Variation
1 Addison rd	25.05	34.52	37.79%	29.77	-13.76%
2 Ackers lane	33.77	40.03	18.55%	28.05	-29.93%
3 St Georges Church	25.28	35.86	41.84%	31.93	-10.96%

- Still collecting baseline data for Carrington Village
- NO₂ data collected via diffusion tubes in 3 locations
- Already showing very high levels of NO₂
- PM_{2.5} being recorded via handheld monitors
- Key Concerns:
 - Number of HGVs causing high pollution levels
 - Are Carrington businesses monitoring their emissions?

PM_{2.5} Recorded 9th September 2020 Isherwood Road Junction:

date (UTC)	pm 10 (ug/m3)	pm 2.5 (ug/m3)
09/09/2020 07:45	31.93	13.11
09/09/2020 07:50	13.07	11.96
09/09/2020 07:52	43.63	9.85
09/09/2020 07:53	26.40	13.42
09/09/2020 07:54	53.01	13.67
09/09/2020 07:56	179.96	8.17
09/09/2020 07:59	709.53	214.26
09/09/2020 08:01	103.95	40.67
09/09/2020 08:02	78.52	9.02
09/09/2020 08:03	48.50	11.06
09/09/2020 08:05	30.71	21.94
09/09/2020 08:08	778.46	168.55
09/09/2020 08:09	169.55	16.92
09/09/2020 08:18	25.52	9.22
09/09/2020 08:19	10.22	9.19
09/09/2020 08:20	53.19	39.50
09/09/2020 08:21	40.50	15.18
09/09/2020 08:22	288.97	99.56
09/09/2020 08:23	100.56	65.33
09/09/2020 08:26	144.30	85.30
09/09/2020 08:28	17.69	10.64

Air Quality Monitoring

Worrying readings in Sale West too!

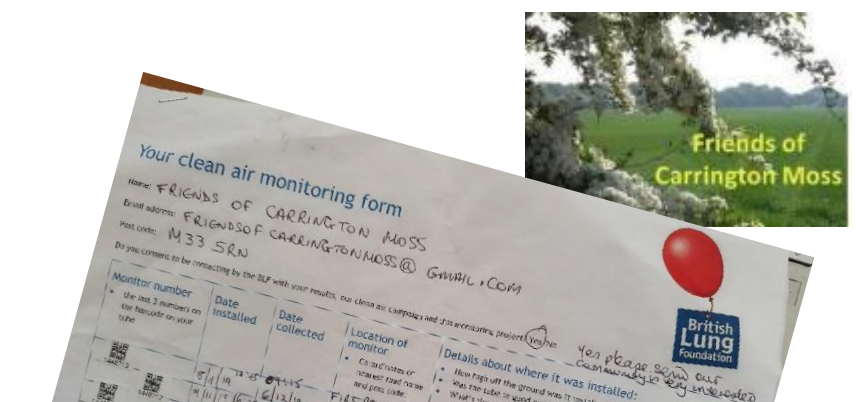
Carrington Moss and Sale West NO₂ Results (with bias):

Carrington Moss East Side June 19 to Aug 20		
Lowest measure	5.26	Jul-20
Highest measure	21.61	Nov-19
Variation	76%	

Near Banky Lane Junction Sept 20 to Nov 20		
Lowest measure	21.27	Sep-20
Highest measure	27.83	Nov-20
Variation	24%	

Carrington Moss North Aug 19 to Nov 20		
Lowest measure	7.87	Jul-20
Highest measure	24.91	Nov-19
Variation	68%	

Sale West Oct 20 to Nov 20		
Lowest measure	16.25	Oct-20
Highest measure	18.70	Nov-20
Variation	13%	



		with bias	without bias
Location	Date	NO ²	NO ²
Gov limit 40 ug/m3	Nov/Dec 19		ug/m3
Firs Primary	Nov/Dec 19	26.65	30.69
All Saints Primary	Nov/Dec 19	25.55	29.43
Manor Ave	Nov/Dec 19	34.03	39.17
Banky Lane Junction	Nov/Dec 19	36.31	41.79
Sale W CC	Nov/Dec 19	20.71	23.87
Coppice Library	Nov/Dec 19	21.82	25.14
Banbury Dr Timperley	Nov/Dec 19	21.31	24.55

- NO₂ Baseline collected for North and East of Carrington Moss (diffusion tubes)
- Further baseline work to be done for PM_{2.5}
- Baseline being established for Sale West - already showing high levels of NO₂
- Further work to be done with local schools

So, what should be measured & monitored?

You cannot manage what you do not measure!

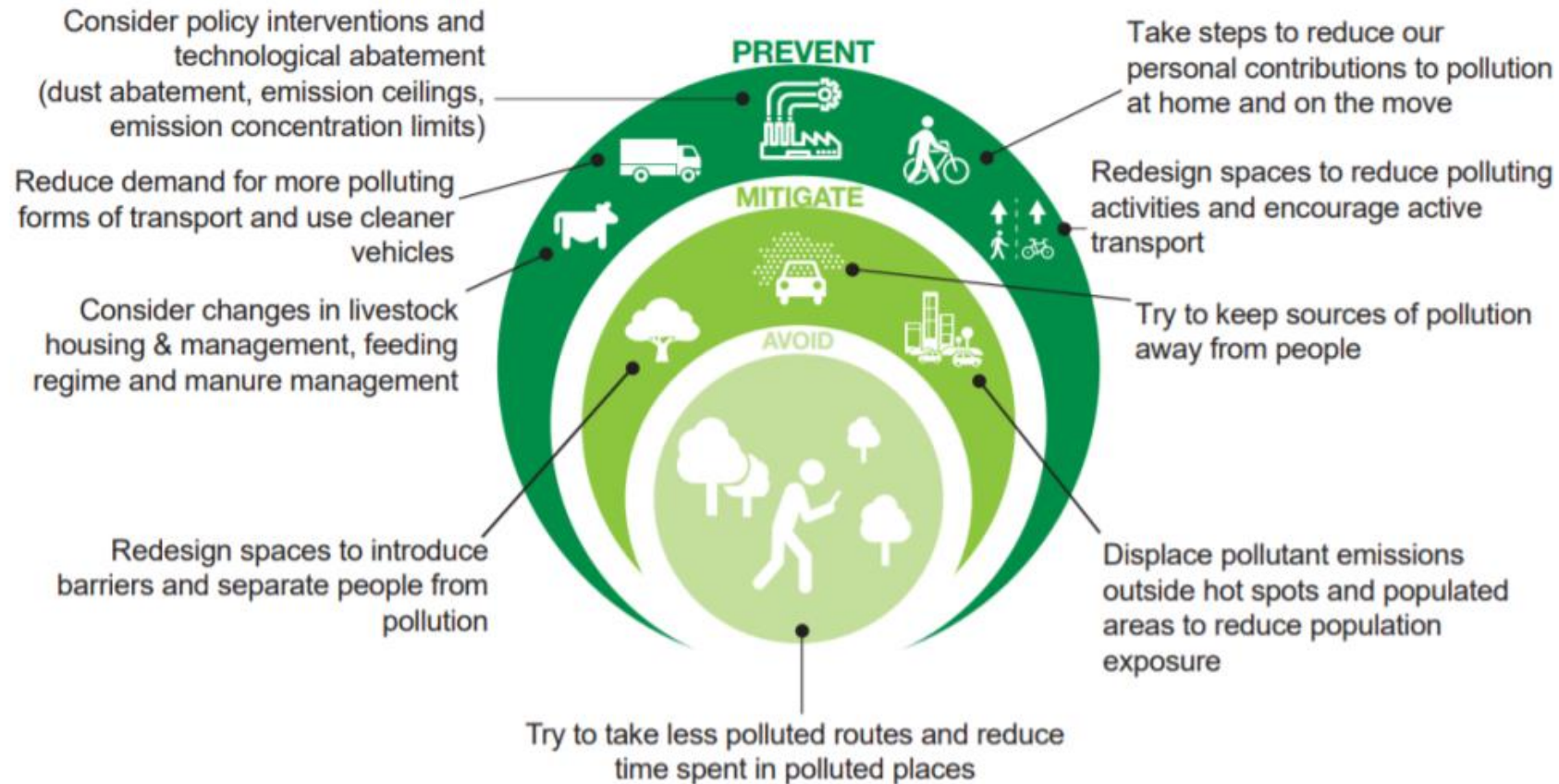


Some discussions need to take place about what **SHOULD** be measured and monitored to drive real progress in addressing air pollution

Air Quality Monitors	Air Quality Results	Health Incidents due to Air Pollution	Deaths due to Air Pollution	Actions to improve air quality	Claims & Compensation
Confirm how many are in place & where	All available information to be published on a quarterly basis, including emissions from businesses	How many by type of incident (eg asthma attack, stroke, new diagnoses of specific diseases)	How many by cause of death, including (for example) lung cancer, acute lower respiratory infection, stroke, ischaemic heart disease, chronic obstructive pulmonary disease	Plans in place (eg clean air zone)	How many formal and informal complaints about air quality
Confirm how many new monitors are planned & where	Monitoring should include (as a minimum) particulate matter (PM10 & PM 2.5), ozone (O ³), nitrogen dioxide (NO ²) and sulphur dioxide (SO ²).	Figures should be available by age group, by Ward and by air quality monitoring “zone”	Figures should be available by age group, by Ward and by air quality monitoring “zone”	Monitoring implementation of actions	How many claims for compensation & how much awarded
Ensure all key locations are covered (eg outside or near each school, nursery, hospital)	Trend and comparative information to be made available	Adverse health outcomes (eg low birth weight and other morbidity info)		Funding allocated to address climate change issues and from which pot	Plans to reduce cost of claims

Interventions to improve outdoor air quality and public health

What opportunities could we take locally?

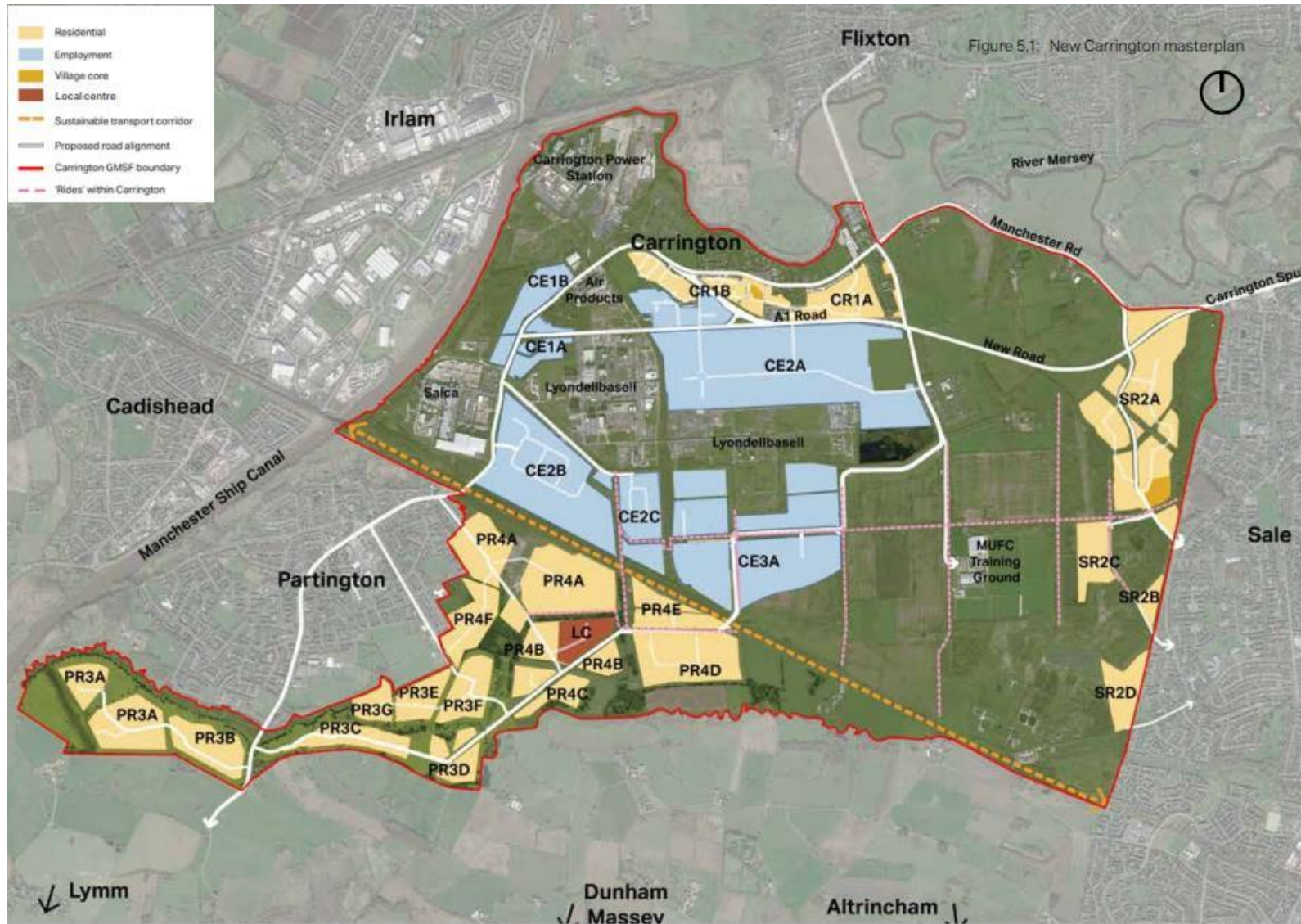


Potential opportunities to improve air quality:

- Adopt 'net health gain' principles in any new policy or work programme
- Traffic management interventions (road pricing, access restrictions) can improve air quality and encourage changes in travel behaviour
- Create low emission zones
- Maximise benefits of local green infrastructure

The New Carrington Masterplan

New major roads (4), new homes (5k), new industrial (380k m²)



Potential additional challenges for air quality in the area:

- Significant increases in traffic
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 - Residents and employees
- Potential additional pollution from businesses (site is focused on industrial/ warehousing not digital, green jobs, etc)
- Significant loss of green belt (169 ha)

Discussion 2

Draft Opportunities and Challenges



Participants will consider the potential opportunities for improving air quality and the potential challenges that may lead to increased air pollution

Example Opportunities



- Increase awareness through working with local schools and community groups
- Increase monitoring of air pollution in key locations in the area (outside schools, near to Carrington businesses)
- Create a carbon bank on Carrington Moss and establish processes for purchasing carbon credits/offsets
- Improve cycle paths to encourage more use of active travel options
- Push for increased availability of public transport services to reduce car traffic



Example Challenges

- Increased housing (and very limited public transport) means more cars on local roads (including new roads)
- Post-Covid reduced public transport capacity
- Access to school places could be challenging, leading to longer journeys to get to school, probably by car
- Pollutants from businesses in Carrington
- More industrial/warehousing businesses could mean more HGVs on local roads, including new roads

Discussion 3

Draft Key Actions and Next Steps



A starter for 10:

1. Increase monitoring and reporting of air pollution, including near to local schools and specific businesses
2. Work with schools to support awareness raising and education about the impact of air pollution
3. Push for increased availability and frequency of public transport in the area and promote low pollution active travel routes
4. Look at ways of “rewarding the citizen” (eg for changing to active travel options or public transport)
5. Identify potential initiatives to improve local air quality, including traffic calming initiatives, cycling buses, etc
6. Identify funding sources and bid for money to improve air quality on and around Carrington Moss
7. Support Trafford’s Climate Emergency Residents’ Panel
8. Support Trafford’s Clean Air Day activities, including hosting local Clean Air events and activities
9. Link with local, regional and national groups that focus on air quality and share best practice
10. Influence local, regional and national policies through actions, activities and campaigns

How to use Jamboard



You can write with the pen (but it is hard)

This is the pointing tool, you can use this to grab items you have created on the whiteboard and move them around

You can add a still image to the page

This is the text box creator

Click here to see all of the pages and choose the one you want to go to

Click here to look through all the pages on the whiteboard

Click here to create a new page on this whiteboard

This is the main menu (you have full editing rights so please do not click on "Remove")

- Rename
- Download as PDF
- Save frame as image
- Remove
- Make a copy
- Updates
- Send feedback to Google

This is the eraser

Try writing a sticky note - click here

You can add shapes to your graphic

This is the laser pointer – used when sharing your graphic

Air Quality Workshop Design Principles

1/2

Set background Clear frame

Draft Design Principles:

Principle 2 Investment will be focused on reducing carbon emissions, prioritising sustainable transport	Principle 3 The carbon capture capabilities and natural capital benefits of Carrington Moss will be exploited
Principle 1 Air pollution on and around Carrington Moss will not exceed legal limits and health inequalities will not be exacerbated by plans for development	
Principle 4 Opportunities to reduce air pollution on and around Carrington Moss will be progressed	Principle 5 Residents will be fully informed about the potential impact of poor air quality on their health