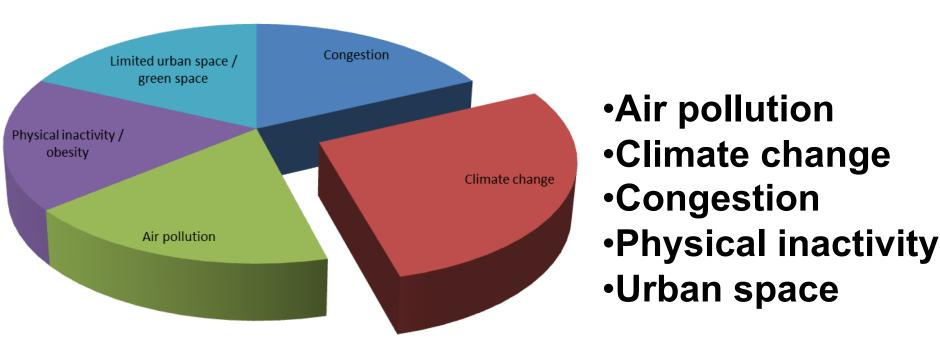


Pete Abel Volunteer with Manchester Friends of the Earth

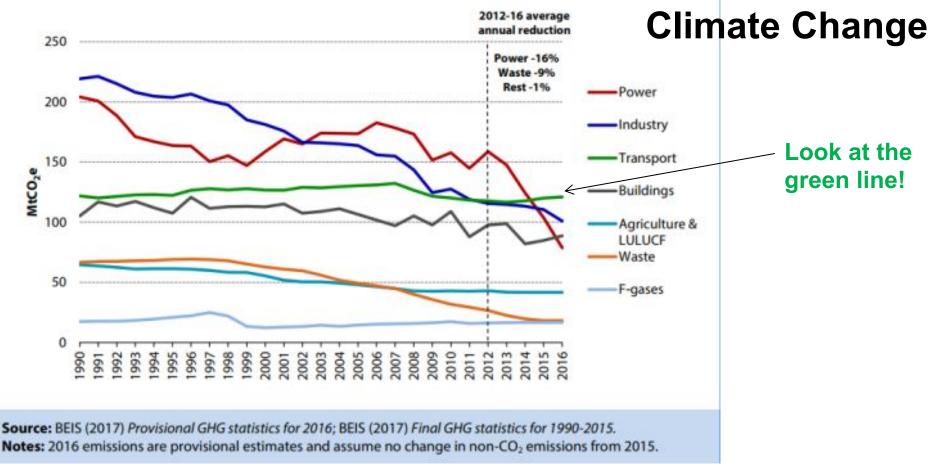


Need to look at the bigger picture – why focussing on one policy objective leads to poor decisions.

Think Diesel!







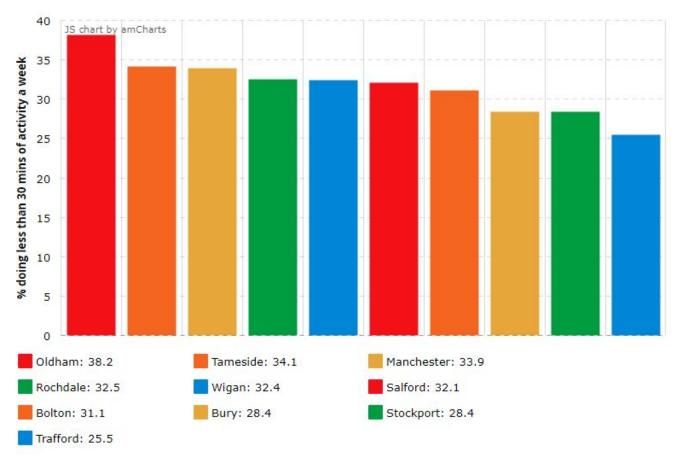
Transport is the largest climate emissions sector... 26% of the UK emissions and still increasing.

friends of

But if we include international aviation & shipping emissions – transport sector contributes nearer 40%

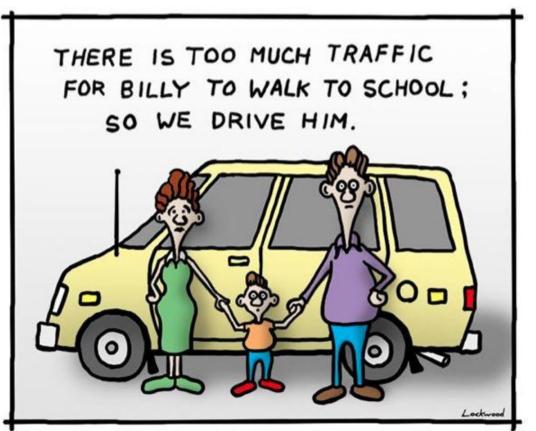
Most inactive people

Physical inactivity



Physical inactivity puts people at greater risk of heart disease, and costs the NHS as much as £1.2 billion a year.





Traffic Inducing Traffic

Congestion

"Adding highway lanes to deal with traffic congestion is like loosening your belt to cure obesity."

Lewis Mumford, 1955. #InducedDemand

"simply increasing highway capacity to meet an ever growing demand for car travel is <u>not</u> <u>sustainable or, indeed, physically or financially</u> <u>practical</u>". Greater Manchester Transport 2040 Strategy.





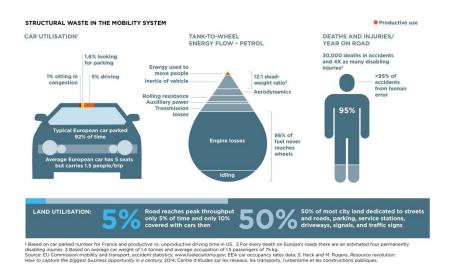




It is estimated that 50% of most city land is dedicated to streets and roads, parking, service stations, driveways, signals and traffic signs. (Ellen MacArthur Foundation)

Urban space

"If it is true that all citizens are equal, then a bus with 80 people has a right to 80 times more road space than a car with one person."

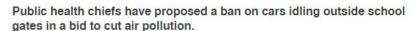




Why does Friends of the Earth campaign on air pollution?

Public Health England: describes air pollution as the <u>biggest</u> environmental threat to health in the <u>UK</u> and says there is strong evidence that air pollution causes the development of coronary heart disease, stroke, respiratory disease and lung cancer, and exacerbates asthma.

Schools should have 'no idling zones', Public Health England chief says



According to Transport for Greater Manchester, road transport

contributes 75% of emissions of nitrogen oxides and 81% of particulate emissions in the Greater Manchester conurbation.

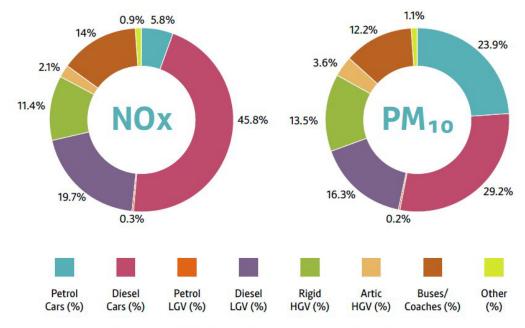
Road transport also accounts for 32% of carbon dioxide emissions.



The influence of cars

Figure 4: Proportions of NOx and PM₁₀ Emissions from Road Sources

"Greater Manchester residents travel 37 million km per day averaging 6.4km per person. 77% of all kilometres travelled are done so by car (either as driver or passenger)." (Electric Vehicle Update – GMCA, 19/1/2018)



Other: motorcycles and alternative fuel vehicles e.g. hybrid, electric, biogas

Private cars typically represents >70% of the vehicle movements on most roads, and so the influence of cars is significant in most areas where high pollutant concentrations have been identified. Furthermore, the large proportion of cars also influences areas of congestion due to the road space taken up by the vehicles. (Greater Manchester Low Emissions Strategy, p56)



Poor air quality is a health inequalities & social justice issue

Vulnerable groups – the very young, older people and people with pre-existing health issues such as respiratory conditions – are disproportionately affected by air pollution.

Many transport-related pollutants are disproportionately concentrated in deprived areas in Greater Manchester.

Health inequalities are often greater in areas with the poorest air quality.

"communities that have access to fewest cars tend to suffer from the highest levels of air pollution, whereas those in which car ownership is greatest enjoy the cleanest air." (Mitchell & Dorling, 2003)

<u>Area</u>	Car or van	No cars or vans
	availability	in household
	Households /	(percentage)
	number	
GM	1128066	30.60%
Bolton	116371	28.30%
Bury	78113	23.90%
Manchester	204969	44.50%
Oldham	89703	31.20%
Rochdale	87552	31.40%
Salford	103556	36.90%
Stockport	121979	22.00%
Tameside	94953	29.60%
Trafford	94484	21.70%
Wigan	136386	24.60%

Table KS404EW. 2011 Census: Car or van availability, local authorities in England and Wales



Nearly a decade of failure!

The UK was supposed to meet air quality limit values by 2010. This was later extended to 2015.

The Government must act now to tackle this <u>public health emergency</u>. (DEFRA Select Committee, 27 April 2016)



House of Commons

Environment, Food and Rural Affairs Committee

Air quality

Fourth Report of Session 2015–16

ClientEarth court case against UK Government, February 2018)

- aim to achieve compliance as soon as possible;
- choose a route to compliance which <u>reduces human exposure as</u> <u>quickly as possible</u>;
- ensure that compliance with the limit values is not just possible but likely.
- the determining consideration has to be the efficacy of the measure in question and not their cost



Air pollution – why does it matter?

Greater Manchester has the highest rates of emergency admissions to hospital for asthma in the whole country.

Damage to young children's health, lung and mental development.

Around 2000 premature deaths due to air pollution each year in Greater Manchester

Estimated cost to Greater Manchester of over £1 billion.



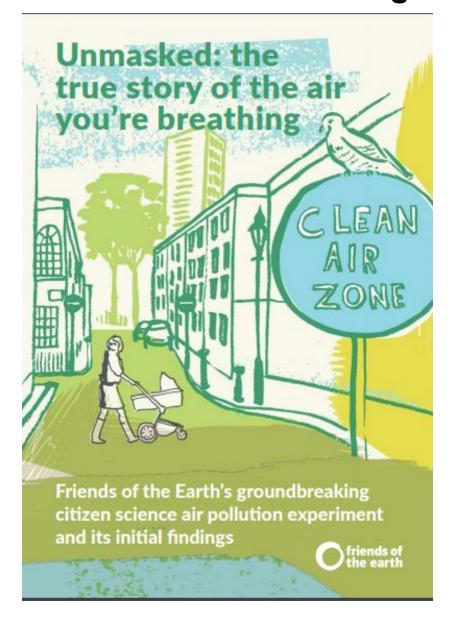


Greater Manchester's deadly air pollution crisis is worse than London, new research has warned

Local strategies and leaders have failed, so far, to recognise the urgency of the situation, the report says



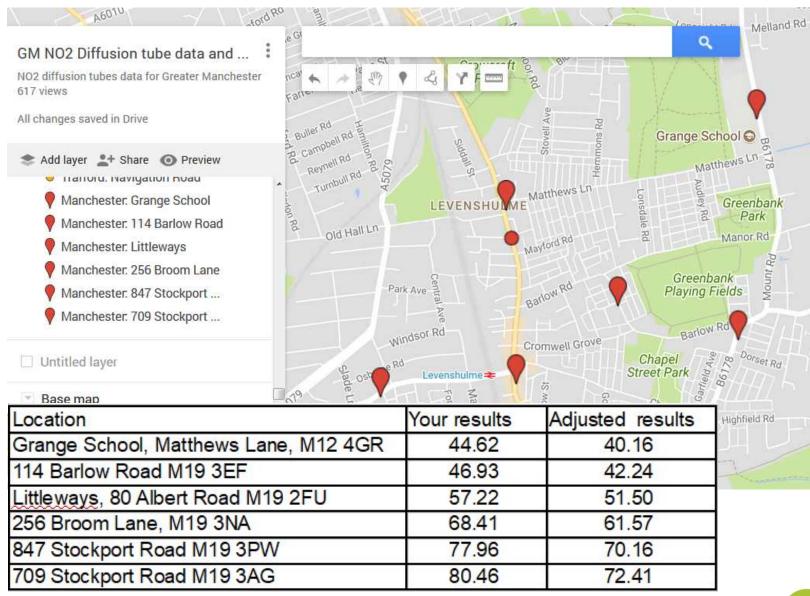
What has FoE been doing?







Citizen science: NO2 monitoring





School Streets

Frie

* Research by Unicef reveals that during the school run and while at school, children are exposed to more than 60% of the air pollution they breathe in each day even though these periods account for only 40% of their day.

- * Evidence has shown that some primary school children living in highly polluted urban areas have up to **5% less lung capacity than normal**, putting them at risk of lung disease in adult life and early death.
- * Children living in highly polluted areas are also four times more likely to have reduced lung function in adulthood. Thankfully, improving air quality for children has been shown to halt and reverse this effect.

Briefing

Guide for local groups on School Streets

This briefing for Friends of the Earth local groups and activists outlines how to campaign for a School Street, with best practice examples and suggestions on how to get support from Friends of the Earth.

Please email your named Friends of the Earth contact or <u>cleanair@foe.co.uk</u> if you'd like further advice on School Streets. If you want to find out how you can campaign on air pollution more widely <u>check out our A-Z campaign guide.</u>







Campaigning at local, national and international levels



We need a Clean Air Act that will:



Improve and strengthen existing legislation, enshrining the right to breathe clean air into law, so the UK has the most ambitious air quality legislation in Europe;

Make the UK a world leader in clean technology, creating the jobs and industries that will help us, and others, clean up our air.



Government is failing to lead and has pushed responsibility for tackling air pollution onto local councils...

The Secretary of State has the power to require action from LAs "appropriate for the implementation" of the Directive

Ministerial directions have been issued to

- •61 English LA's
- •2 Welsh LA's

...requiring each to come up with its own proposals for local measures to reduce NO2





What about Greater Manchester's Clean Air Plan?



Let's clear the air

"Polluted air is an invisible killer and Greater Manchester needs a wake-up call to what is a growing **public health emergency**."

(Andy Burnham, 13 February 2017)

"It would be more cost effective to deliver the changes more slowly; however this is a **public health emergency** so action is vital. Option 8 delivers compliance at the **lowest imposed cost**." (Greater Manchester's Clean Air Plan – Tackling Nitrogen Dioxide Exceedances at the Roadside - Outline Business Case, 1st March 2019)

A public health emergency – but we don't plan to be legally compliant until 2024!



A child born in GM today would be 5 years old before they can breathe legally 'safe' air, under current #CleanAirGM plan.



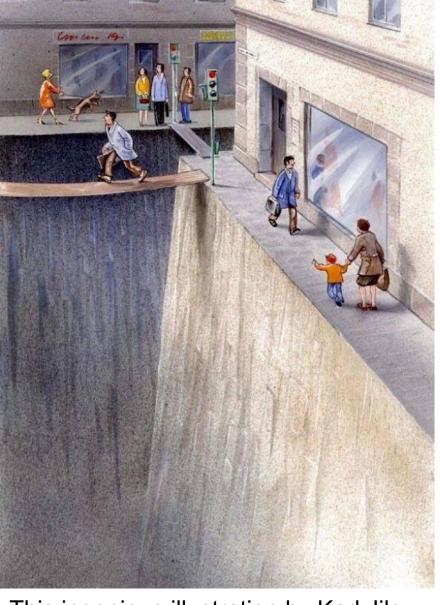
We are failing our youngest

Next steps... we will be:

lobbying GM local council election candidates

encouraging people to respond to the public

challenging the Secretary of State whether the GM plan meets the Government's legal obligations..



This ingenious illustration by Karl Jilg reveals how much space we give to cars.

If you plan cities for cars and traffic, you get cars and traffic.

If you plan for people and places, you get people and places.

(Fred Kent)

Web: www.manchesterfoe.org.uk

Email: office@manchesterfoe.org.uk

Twitter @mcrfoe

