CONSULTATION REPORT

MANCHESTER CLIMATE CHANGE STRATEGY 2017-50

Contents

Background and Introduction

In Autumn 2015 over 2,500 residents and businesses from across Manchester responded to the question *'what's your dream Manchester?'* The question was part of work by Manchester City Council and the Manchester Leaders Forum to develop *Our Manchester*, the city's overarching strategy for 2016-25. Climate change action and environmental improvement was one of the most common themes in the responses. As a result, the final version of *Our Manchester* contains the headline commitment that *'Manchester will play its full part in limiting the impacts of climate change, and by 2025 will be on a path to being a zero-carbon city by 2050,'* as well as a number of more detailed commitments that set out the city's commitment to act on climate change.

As a result the Manchester Climate Change Agency and Manchester: A Certain Future Steering Group agreed to facilitate the development of a new climate change strategy for Manchester, to set out how the climate change commitments in *Our Manchester* would be achieved. As with *Our Manchester*, the development of Manchester's Climate Change Strategy for 2017-50 was undertaken through a 'devolved' policy-making process, ensuring that it would be based on the views of the city at large, and that it would provide the platform for collective, citywide action by all Manchester stakeholders.

Overall Summary

To build on the views expressed in Autumn 2015, from **19th July to 16th October 2016**, Manchester Climate Change Agency ran a public consultation to seek the city's views on climate change, to be used as direct inputs to the development of the final version of the climate change strategy for 2017-50.

The consultation was delivered through:

- An online **questionnaire**,
- **Postcards** which were handed out by Agency staff and volunteers at public venues and events.
- Individuals and organisations also **emailed** their opinions directly to the Agency.

A total of **709 responses** were received.

How important is it for Manchester to take action on climate change?

89% thought it was **extremely** important for Manchester to take action on climate change.

8% thought it was **somewhat** important for Manchester to take action on climate change.

3% thought it was **not** important for Manchester to take action on climate change.

Overall, this indicates that the majority of Manchester stakeholders believe that it is important to take action on climate change. This includes residents, businesses, schools, colleges and universities.

Please see Q1 in the Postcard Response Summary and Q1, 2, 3 in the 'Online Response Summary' section for further details.

Do you support the aim/vision and objectives of the strategy?

This question was asked in two different ways. Through the postcard response the question was simply "Do you support the aim of the strategy?" whilst the question on the online questionnaire was "Do you think the vision and objectives in section 3 of the draft strategy are the right ones for Manchester?"

84.5% supported the strategy **completely**.

3.5% thought it was **too ambitious**.

3.2% believed it was **nearly ambitious enough**.

5.9% thought it was **not ambitious enough**.

1.8% stated that **more detail was required**.

1.2% did not know.

Please see Q3 in the 'Postcard Response Summary' section and Q5 in the 'Online Response Summary' section for further details.

What should Manchester do to help tackle climate change?

The responses have been categorised into 8 relevant categories for action: **transport**; **education, engagement and awareness**; **waste and recycling**; **greenspaces and environment**; **energy and consumption**; **buildings**; **businesses and economy** and finally **other**.

Below are the percentages of each category in descending order according from most popular to least popular.

- Transport – 44%
- Education, engagement and awareness – 14.8%
- Waste and recycling – 11.3%
- Greenspaces and environment – 9.4%
- Energy and consumption – 8.4%
- Buildings – 4.7%
- Businesses and economy– 3.8%
- Other – 2.8%

Transport was the most popular category overall with **44%** of the total responses being about changes to transport in Manchester. This includes cycling, reducing congestion, encouraging public transport and electric cars.

Please see Q2 in the 'Postcard Response Summary' section and Q6,9 in the 'Online Response Summary' section for further details.

Online Response Summary Report

The total number of responses through the online form was **143***.

There were a range of relevant questions asked in this consultation. This is the summary of the answers received.

*Please note, not all answers add up to 143 due to a change in questionnaire leading to some differences in the questions as well as some people not completing some questions.

Please note, the numbers present how many people represented that answer/opinion. For example, "Somewhat important – 7" represents 7 people have said "somewhat important".

Question 1: How important is it for residents in Manchester to take action on climate change?

Extremely important – 122 (85.3%)

Somewhat important – 18 (12.6%)

Not very important – 1 (0.7%)

Not important at all – 2 (1.4%)

Question 2: How important is it for businesses in Manchester to take action on climate change?

Extremely important – 134 (93.7%)

Somewhat important – 6 (4.2%)

Not very important – 1 (0.7%)

Not important at all – 2 (1.4%)

Question 3: How important is it for schools, colleges and universities in Manchester to take action on climate change?

Extremely important – 129 (90.2%)

Somewhat important – 9 (6.3%)

Not very important – 1 (0.7%)

Not important at all – 4 (2.8%)

Question 4: The draft strategy sets an ambitious aim for Manchester to be a zero carbon city by 2050. There are two main reasons for this:

Question 4a: To help make the city a better place to live, work and visit, with lower energy bills, better air quality, more green spaces, new jobs, and many other benefits. Do you think it is important for Manchester to act on climate change for this reason?

Extremely Important – 100 (91.7%)

Somewhat important – 7 (6.4%)

Not very important – 2 (1.8%)

Not important at all – 0 (0%)

Question 4b: To be a leading city for our contribution to global action on climate change. Do you think it is important for Manchester to act on climate change for this reason?

Extremely Important – 82 (73.2%)

Somewhat important – 22 (19.6%)

Not very important – 3 (2.7%)

Not important at all – 5 (4.5%)

Question 5: Do you think the vision and objectives in section 3 of the draft strategy are the right ones for Manchester?

Completely – 39 (35.1%)

Too ambitious – 8 (7.2%)

Nearly ambitious enough – 17 (15.3%)

Not ambitious enough – 27 (24.3%)

More detail required – 12 (10.8%)

Don't know – 8 (7.2%)

Question 5a: Please explain why you chose that answer.

There were many explanations as to why those answers were chosen.

Explanations for **too ambitious** included:

- Be hard to see a behaviour change, people do what is the most convenient for them. For example, they would rather not take a journey that's an hour long by public transport when it can take them 20 minutes by car.
- It is difficult to achieve these targets in a capitalistic market.
- It is difficult to become zero carbon within these timescales.
- It is a very high target; the Council will need more funding and the private sector will need to invest more in being sustainable.

On the other hand, many people thought the strategy **wasn't ambitious enough**:

- We should try to be zero carbon sooner than 2050
  - o 2050 is a long way away therefore it doesn't convey the urgency for people to do something right now.
  - o 2025 will be a more appropriate target.
- We need to do as much as possible to combat climate change; it is better to do more than less.
- Manchester needs to be bold in setting ambitious goals to tackle climate change
- Need more ambitious targets for a sustained education programme

- Be ambitious and reward people that help meet the target whilst penalising those that don't

These are the **changes** people thought were needed to the vision and objectives:

- Needs more concrete propositions to help people envision it.
- The actions of individuals, communities and businesses needs to be made more clear as regards the consequences.
- More detail is required on how the targets will be achieved; with transparency on progress needed.
- There is too much focus on economic development and innovation.
- Need more focus on cultural shift towards significant reductions in levels of consumption.
- Should aim towards the Copenhagen model.
- Too focused on CO_2 reduction
  - instead focus on how to create greener/healthier spaces with CO_2 reduction being a positive side effect.
  - CO_2 isn't the only pollutant.
- More emphasis on green spaces and cycle/pedestrian routes needs to be made to ensure they are prioritised during planning.
- Greenspaces:
  - No focus on ecosystems and habits – need to mention nature and wildlife.
- Doesn't tackle over-consumption as it focuses too much on carbon.
- Planning regulations:
  - Be stricter with approvals.
  - New builds must follow sustainable regulations e.g. have solar panels.
  - Bring back a code for sustainable homes as it was wound down previously.
- Education:
  - Act immediately and start the education process for behavioural change.
  - Head teachers of schools should embrace an Eco School strategy.
  - Educate people to be carbon literate.
  - Need greater community involvement.
- Expand section 3 to include potential rewards and sanctions for organisations and individuals.
- Airport:
  - Carbon output is not properly acknowledged.
  - Need to include something about limiting air travel and reducing the importance of the airport to people.
- Need to adopt 5-year carbon budgets checks rather than every 10 years.
- Funding:
  - How will this be affordable to the private sector?
  - Cost of energy efficiency measures?
- There is plenty of vision but there is little on what will be done to achieve it.
- Need to include milestones in the action plan.
- Make clearer references to the importance of a sustainable food system.

Question 6: Do you think section 4 of the draft strategy ('Realising Our Vision') covers all the areas where action is needed?

Completely – 27 (24.3%)

Mostly – 50 (45%)

Partly – 19 (17.1%)

Only a little – 3 (2.7%)

Not at all – 2 (1.8%)

Don't know – 10 (9%)

Question 6a: Please explain why you chose that answer.

There were many explanations as to why those answers were chosen.

Here are the things people said needed including:

- More emphasis on behaviour change and empowering people
- Transport:
    o There's nothing on de-carbonising transport.
    o Need more emphasis on transport infrastructure.
    o Addition of autonomous vehicles which can reduce pollution, congestion and private car ownership.
    o Need to have reference to the airport and air travel.
    o Amount of traffic and cars on the road needs to be tackled.
- Buildings:
    o More needed on the challenges that older residential and commercial buildings in the city present on climate change.
    o Need more on housing; strategy for the replacement or reuse of existing housing stock.
    o More regulation when approving planning permission for new builds.
    o Go beyond building regulations and aim for Passivhaus for new builds and deeper retrofit schemes
    o There's a mention of regulation for commercial landlords however what about private landlords?
- Water usage
    o Using water more appropriately
    o Retrofitting SuDS
    o Grey water systems
    o Rainwater harvesting systems
- Energy:
    o The strategy is heavily reliant on green electricity however this is outside of Manchester's control due to the national infrastructure of the grid system.
- Environmental threats:
    o Soil degradation and water ignored.
    o Animal habitats
- Food:
    o Needs more detail on links between food, health, climate change and the availability.
    o Encouraging people to eat less meat/have a vegetarian or vegan diet.
- Education:
    o Need to look at education on sustainable development and not just carbon literacy.
    o Re-launch the facilitation for Eco-schools around the city
- People:
    o Need greater emphasis on resident-led solutions and on the voluntary and community sector.

- o Put people first, not businesses and then education second.
- o Needs to address overpopulation
- Protection and development of greenspaces.
- There needs to be more detail over 2020, 2030, 2040 and 2050 to show the nature of the process.
- The actions need to be more clear and linked with the targets within the plan.
- Need to mention which areas of section 4 will contribute to the targeted CO_2 reduction.
- Focus shouldn't be on business growth but more on maintaining a stable economy.
- Needs something on supporting more political engagement.

Question 7: Please list all the things you do to tackle climate change?

People do a variety of things to help reduce their carbon footprint and tackle climate change. Below are all the things people say they do.

Recycle – 51

Behaviours and civic engagement:

- Reduce their energy consumption/impact of energy consumption – 26
    - o Green electricity supplier – 11
    - o Low energy light bulbs e.g. LED – 9
    - o Insulation – 7
    - o Have solar panels – 4
    - o Make home more energy efficient – 3
    - o Use water and energy saving appliances – 3
    - o Smart meter – 2
    - o Smart boiler – 1
    - o Rechargeable batteries – 1
- Shop sustainably – 15
    - o Buy locally sourced food – 11
    - o Limit buying non-recyclable products – 1
    - o Buy biodegradable bin bags – 1
- Vegetarian/vegan diet – 12
- Reuse products – 9
    - o Reusable shopping bags – 3
- Reduce waste – 8
    - o Compost kitchen waste – 6
    - o Reduce food waste – 4
- Reduce meat and dairy intake – 6
- Grow own food produce – 6
- Campaign – 6
- Minimise water consumption – 5
    - o Collect rainwater – 2
- Educate others – 5
- Switch to a more sustainable bank – 3
- Repair rather than throw away – 3
- Work for an organisation that is low carbon – 2
- Carbon literate staff – 2
- Volunteer for an environmental charity – 2

- Get involved in green projects – 2
- Promote carbon literacy – 1

Transport:

- Use public transport – 25
- Cycle – 21
- Reduce car use – 17
- Walk – 15
- Only have and run one car – 12
- Limit number of flights – 11
  - o Holiday in the UK – 1
- Have no car – 11
- Own an efficient vehicle – 6
- Car share – 3

Question 8: What else would you like to do and what support would you need?

Below are all the things people would to do to help tackle climate change and interventions they feel they would help them to do it. They have been split into 8 relevant categories:

- Energy and Consumption – 37
- Education, Awareness and Engagement – 32
- Transport – 19
- Recycling and Waste – 13
- Greenspaces – 5
- Buildings – 1
- Businesses – 1
- Other – 1

Energy and Consumption

- Would like renewable energy at home – 7
  - o Make solar panels a standard housing regulation – 2
  - o Need funding from government – 2
  - o Would like to find out more about alternative energy – 1
- Would like to use a clean energy provider – 4
  - o Be no extra cost
  - o Have better options and more guidance
- Rainwater harvesting – 2
- Improve insulation of home – 3
  - o Government grants – 1
- Replace old windows with a more efficient window type (double/triple) – 2
- Food
  - o Grow my own food – 1
    - ▪ Should have more spaces for allotments – 1
  - o Would like to eat less meat/go vegetarian/vegan – 1
    - ▪ More information and guidance about the benefits and how to do it.
  - o Would like to buy more locally sourced food – 1

- Would like to see more funding from the government for research for alternative energy – 1
- Reduce heating use – 1
- Reduce energy usage – 1
- Reduce water usage – 1
- Improve home to make more efficient – 2
  - Better green deal – 1
  - Need advice on how to do this – 1
  - Investment from council – 1

Education, Awareness and Engagement

- Would like more information on what I could do to help tackle climate change – 7
  - Provide guides
  - Have policymakers provide tools for people to do more – 1
  - Council should provide training – 2
- Would like to reduce carbon footprint – 1
- Would like to improve knowledge on climate change – 4
- Would like to get involved – 3
  - Would like to educate others – 2
  - Council should seek out communities that want to be involved – 1
  - Would like to volunteer in taking care of local greenspaces – 1
  - Get involved with schemes and working towards the aim – 1
  - Increase democracy and citizen engagement in the city – 1
- Make education a priority – 1
  - Involve more schools – 1
- Create a new eco enterprise hub at Hulme Community Garden Centre – 1
- Raise awareness – 1
  - Make CO_2 data public – 1
- Increase number of people into Manchester woodlands so they can understand the importance of woodland and the environment – 1
- Carbon literacy workshops – 1
- Promote sustainable development – 1

Transport

- Would like to cycle more – 5
  - The cycle paths are discouraging and they end abruptly
  - They don't seem safe
    - Go up and down curbs
    - Have drains in the middle of the paths which become slippery when wet
  - Would like more space for cycling and less for vehicles
  - Would like to see fewer roads designated to cars
  - Improve the cycle paths
- Use public transport more – 4
  - Lower the fares
  - Improve the public transport – 1
  - Would like to travel more by public transport – 1
    - Widen network

- Have an electric car – 3
  - o Need more charging points
  - o Free parking for electric/hybrid vehicles – 1
- Would like to walk more – 2
  - o Improve path network
- Would like to see less cars in the city centre – 1
  - o Join a car share scheme – 1

Recycling and Waste

- Would like to recycle more – 5
  - o Make it easier to recycle
    - ▪ Have a simple guide to recycling
  - o Council should provide more recycling bins to apartment blocks – 1
- Would like to recycle more types of waste – 1
  - o Allow more materials to be recycled
- Would like to be able to redistribute waste to people who may have a better use for it – 1
- Would like to reduce waste – 1
  - o Buy goods with minimal or recyclable packaging – 1
- Would like to recycle kitchen waste – 2
  - o No food waste bins in apartment block – 1

Greenspaces and Environment

- Plant more trees – 2
  - o Tree strategy
- Would like a low maintenance garden whilst living in apartments to grow food – 1
- More re-greening over local area – 1
- Tighter restrictions on harmful activity – 1

Buildings

- There should be regulations for landlords to ensure their properties are sustainable – 1

Businesses

- Reduce packaging – 1j
  - o Supermarkets should regulate this

Other

- Policy drive – 1

Question 9: What should we do more of as a city to help tackle climate change?

There were a range of answers for this question and they have been categorised into appropriate categories as well as subcategories. Some responses fit into more than one category:

- Transport – 103
- Education, awareness and engagement – 60
- Greenspaces and environment – 31
- Energy and consumption – 26
- Waste and recycling – 20
- Buildings – 19
- Businesses and economy – 17
- Other – 7

Transport

103 people mentioned something within this category.

- Reduce congestion, traffic and number of cars in city centre – 9
    - Congestion charge in the city centre – 5
    - Pedestrianise more areas within the city – 5
    - Encourage people to use their car less – 4
    - Car free zones – 3
        - Only allow buses and taxis – 1
    - Car sharing – 3
    - Car free days in the city centre (at least one a week) – 4
    - Low emission zones – 2
        - Ban diesel vehicles from certain areas of the city – 1
        - Introduce a tax on certain vehicles with a high carbon footprint to drive in the city centre
    - One way roads – 1
    - Restrictions on private car use – 1
    - Restrictions on car parking – 1
        - Increase car park prices
    - Park & ride – 1
- Encourage public transport use – 3
    - Lower public transport fares – 8
    - Improve and widen transport links – 6
    - More electric/efficient public transport – 6
    - Continue to widen metro system – 3
    - Make public transport more reliable – 3
    - One card system for all public transport e.g. Oyster card – 3
    - Allow bikes on trams – 1
    - De-privatise the public transport system – 1
- Electric cars – 3
    - More electric vehicle charging points – 8
    - Incentives for electric vehicle drivers – 1
- Cycling
    - Improve cycle paths – 7
        - Better connected cycle path networks – 1
    - Cycling schemes e.g. cycle to work schemes and incentives – 2
    - Apply the Copenhagen model to make it a cycle only city – 2
    - More and improved cycle parking – 1

- Apply Oxford Road corridor expansion to other parts of the city – 2
- Raise awareness of the impacts of the airport – 1

Education, Awareness and Engagement

60 people mentioned something within this category.

- Educating people on climate change, the effects of it and what they can do to help tackle it – 23
    - o Promote carbon literacy and training – 2
    - o Ensure all Manchester City Council members and senior managers are carbon literate – 2
    - o Present the benefits of low carbon – 1
- Raise awareness – 7
    - o Display air pollution figures on a screen in public spaces – 1
    - o Present climate change statistics and measurements and compare then with what they need to be.
- More engagement – 7
    - o Make community groups feel like they can make a difference.
    - o Action days – 2
    - o Raise community spirit – 1
- Encourage people to walk and cycle more – 5
- Encourage people to take on a meat free/vegan diet – 3
- Encourage people to consume less (energy) – 2
- Encourage people to be more responsible – 2
- Encourage parents to choose local schools that they can walk to – 1
- Encourage people to shop sustainably – 1
    - o Locally sourced produce
    - o Minimal packaging
    - o Recyclable packaging

Greenspaces and Environment

31 people mentioned something within this category.

- Plant more trees – 7
- Local food growing – 5
- More greenspaces – 4
- Green roofs – 3
- Preserve more greenspaces – 2
- Improve and maintain greenspaces – 2
- More biodiversity – 1
- Maintain and clean canals – 1
- Better use of greenspaces – 1
    - o Encourage use from communities and children
- Allotments – 1
- Nature festivals – 1
- Tax/banning of chemical sprays on food and vegetation – 1
- Increase awareness of chemicals that are harmful to the environment – 1
- Easier and more available access to greenspaces – 1

Energy and Consumption

26 people mentioned something within this category.

- More renewable/alternative energy – 8
    - Renewable energy projects
    - More funding in renewables
    - Geo thermal energy
    - Invest in alternative energy supplies – 1
- More solar panels – 4
    - Schemes
    - On all public building roofs
- Encourage people to switch to a green energy provider – 1
- Cap and share scheme for energy to ration consumption – 1
- Encourage people to take on a meat free/vegan diet – 3
- Encourage people to consume less (energy) – 2
- Encourage people to shop sustainably – 1
    - Locally sourced produce
    - Minimal packaging
    - Recyclable packaging
- Reduce reliance on grid electricity by lowering energy demands – 1
- Lower resource consumption – 1
- Local taxes to discourage purchase of unsustainable products and subsidise sustainable ones – 1
- Reduce plastic bag use – 1
    - Incentives – 1

Recycling and Waste

20 people mentioned something within this category.

- More recycling bins in public spaces – 7
- Encourage people to recycle more – 3
- Stricter recycling and waste policies – 2
- Encourage takeaways and coffee shops to use recyclable packaging – 2
- Better recycling facilities – 2
- Increase littering and dumping fines – 3
- Encourage businesses to recycle their waste – 1
    - Fines if they do not follow regulations

Buildings

19 people mentioned something within this category.

- Ensure new builds are sustainable and efficient – 6
    - Follow building regulations – must feature energy saving and low carbon features such as:
        - Fully insulated
        - Solar panels
        - Rainwater harvesting
        - Green roofs
        - Recycled building materials

- ▪ Centralised heating
- Improve public infrastructure – 5
  - o For pedestrians and cyclists
  - o To increase resilience for water, wastewater, transport and energy
- Stronger policies for planning and approving new developments – 2
- Retrofit old buildings to make them more sustainable/efficient – 2
- Fit houses with sustainable drainage systems – 1
- More passive housing – 1
- Lower carbon through spatial planning – 1
- BEMS control in public buildings – 1

Businesses and Economy

17 people mentioned something within this category.

- Government incentive/reward schemes for businesses – 5
- Get large, high profile organisations involves to promote and get involves – 2
- More funding – 2
- Tax breaks for businesses with a green agenda – 1
- Use the green agenda to create jobs – 1
- Introduce a carbon tax – 1
- Encourage social/mutual investment in sustainable products and services – 1
- Target businesses to use less packaging – 1
- Introduce grants to enable businesses to switch to low carbon methods – 1
- Require businesses to undertake carbon foot-printing and monitor improvements – 1
- Long term political commitment – 1

Other

7 people mentioned something within this category.

- Make links with surrounding areas to take a collective approach – 2
- More funding put into climate change – 2
- Smart city agenda – 1
- Do nothing – 2

Postcard Response Summary Report

The total number of postcard responses submitted was **552***.

Each of these responses have been split into categories, sub-categories and sub-sub-categories.

*Please note, not all answers add up to 552 due to people having more than one answer which fit between multiple categories.

Please note, the numbers present how many people represented that answer/opinion. For example, "Somewhat important – 7" represents 7 people have said "somewhat important".

Question 1: How important is it for Manchester to take action on climate change?

489 people (88.6%) said it's **very important**, of those people who gave reasons, the following were the most popular:

- Manchester can make an **example** to other cities and **take a lead.**
- Important as Manchester is one of the biggest and most **influential** cities in the UK.
- It will impact **future generations.**
- Affects people's **health.**

26 people (4.7%) felt that it isn't just down to Manchester and that it's a **global issue**.

18 people (3.3%) said that it is **reasonably important** which included people mentioning that it is not the most important issue.

15 people (2.7%) said that is **not important** which included someone mentioning that the damage is done.

4 people (0.7%) were **not sure**.

Question 2: What else could Manchester be doing?

There was a range of answers and they have been categorised within 8 main categories:

- Transport – 421
- Education, engagement and awareness – 115
- Waste and recycling – 114
- Greenspaces and environment – 80
- Energy and consumption – 73
- Buildings – 37
- Businesses and economy– 28
- Other – 27

Transport

This was the most popular category with 421 people mentioning something within this.

- cycling – 81
  - o cycling lanes (improve/increase) – 39

- o encourage cycling/walking – 31
- o cycling schemes (e.g. cycle to work) – 5
- o bike hire (like London) – 5
- o signs of how long it takes to walk/cycle to places around city – 1
- more electric/efficient public transport (buses/taxis) - 66
- reduce congestion/traffic/cars in the city centre – 44
    - o congestion charge – 16
    - o no cars – 17
    - o pedestrianise city centre – 9
    - o park & ride – 9
    - o have low emission zones where only certain types of vehicles are allowed in like in London – 8
    - o improve road systems so traffic moves through faster – 5
    - o encourage car sharing – 2
    - o car free zones – 2
- encourage public transport – 37
    - o reduce cost (mainly of tram) – 27
    - o improvements – 27
        - more frequent and reliable – 27
        - more routes
        - wider and more extensive metro network – 13
    - o one card system for all public transport e.g. Oyster Card – 4
- more electric car charging points – 4
- find an alternative fuel to diesel – 4
    - o biofuel – 4
- reduce flying/not extend airport – 3

Education, Engagement and Awareness

This was the second most popular category with 115 people mentioning something within this.

- General – 76
    - o raising awareness with the public
    - o increasing education within schools
    - o educating the general public
    - o workshops and events
    - o increasing awareness in the media
    - o showing people the effects of climate change
- Campaigning – 17
- Encourage people to switch off – 7
- Encourage vegetarian/vegan diets – 6
- Raise awareness of the effects of food production – 5
- Less flyers – 3
- Give students more info – 2
- Educate people on how to eat green (locally sourced food/less meat) – 2
- Target universities – 2
- More volunteering schemes – 1

Recycling and Waste

This was third most popular category with 114 people mentioning something within this.

- Increase recycling – 54
  - more recycling bins/points around the city – 20
  - more recycling bins than black – 4
  - accept a wider range of materials for recycling – 4
  - more guidance with recycling – 4
  - food waste bins on all streets – 3
  - give free biodegradable bags to encourage use of green bins – 1
  - fine businesses that do not recycle – 1
- Food waste schemes – 5
- Food waste bins on all streets – 3
- Increase littering/dumping fines – 3
- Use more biodegradable materials – 3
- Stop landfill usage – 2
- Make all takeaways and coffee shops use reusable and recyclable containers – 1

Greenspaces and Environment

This was the fourth most popular category with 80 people mentioning something within this.

- More green spaces – 43
- More trees planted – 11
- Green roofs – 10
- Keep streets, rivers, canals clean – 7
- Protect green/open spaces from new developments – 5
- Improve public parks and gardens – 2
- Bloom/flower schemes – 1
- Bio-walls – 1

Energy and Consumption

This was the fifth most popular category with 73 people mentioning something within this.

- Renewable/alternative energy – 47
  - More funding for alternative energy (research/implementation through the city)
  - More solar panels on roofs throughout the city
  - More wind energy throughout the city – 2
- Encourage people to switch off – 7
- Encourage vegetarian/vegan diets – 6
- Increase incentives for clean energy (government grants) – 5
- Hydrogen power – 3
- Stop coal production – 1
- Decentralise energy supply – 1
- Push nuclear power - 1

Buildings

This is the sixth most popular category with 37 people mentioning something within this.

- Ensure new buildings are sustainable and efficient – 16
- Infrastructure (not sure what they meant) – 10
- Brownfield development – 1
- Green roofs – 10 (also in the category greenspaces)

Businesses and Economy

This is the seventh most popular category with 28 people mentioning things within this.

- Reduce waste from restaurants and businesses - 9
- Use locally sourced food and materials – 9
- Encourage businesses to be sustainable – 5
- Reduce packaging – 2
- Tax breaks for carbon neutral companies – 1
- Stopping single use plastic bags – 1
- Reduce importing and exporting – 1

Other

This is the category which includes responses from people which do not fit into any of the categories. This totalled up to 27 people.

- Do not know/not sure – 17
- Nothing – 4
- Protect against flooding – 2
- More money investments – 2
- Get rid of cows/reduce cattle – 1
- Use less aerosols – 1

Question 3: Do you support the aim of the strategy?

535 people said **yes.** (96.9%)

12 people said **no.** (2.2%)

4 people said that they **support it partly/only some of it**. (0.7%)

1 person said it seems **unachievable**. (0.2%)

Email Response Summary Report

The total number of emailed responses was **14**. The following were identified as the common themes. In many cases, respondents provided detailed nevidence to substantiate their comments, including information that wasn't available or known to Manchester Climate Change Agency or the Manchester: A Certain Future Steering Group at the time of writing the draft strategy.

- Further details required on **funding** for the strategy's implementation.
- Further details required on **governance** to enable the strategy's successful implementation.
- The need for new **planning standards** and policies for new developments.
- Manchester should adopt an overall **carbon budget**, to be broken 5-year carbon budgets.
- **Aviation emissions** from Manchester Airport need to be addressed.
- Increasing **walking and cycling** is of critical importance.
- **Adaptation and resilience** to Manchester's changing climate is an issue that needs to be embedded throughout the strategy.
- Manchester needs to **divest from fossil fuels.**
- The strategy needs to recognise and address the **consumption of goods and materials** in a world of finite resources.
- Action on **food** is of critical importance.

Final Summary

During the period of the public consultation, the range of views expressed have shown the city's commitments to climate change. With 97% of respondents expressing that they believe it is important for Manchester to take action on climate change, it emphasises the importance of Manchester having a climate change strategy.

85% of participants felt that the commitment to become zero carbon by 2050 is the right target however 6% felt that this target is not ambitious enough. However, upon examining the more detailed responses, of the online and emailed responses, 35% felt that zero carbon by 2050 was the right target whilst on the other hand 24% stated that a more ambitious target was needed. Scientific evidence supports the latter view which states that decarbonisation by 2030-40 may be required in in developed countries in order to meet with the Paris Agreement targets.

The following were revealed as areas where the strategy needed to be improved to ensure the vision and objectives could be achieved.

- Carbon budget
- Aviation emissions
- Walking and cycling
- Adaption and resilience
- Sustainable food production and consumption
- Sustainable production and consumption of goods and materials

The following areas were identified as priorities for action:

- Transport (including walking and cycling) – 44%
- Education and engagement – 14.8%
- Waste and recycling – 11.3%
- Green spaces – 9.4%
- Energy efficiency and generation – 8.4%
- Buildings – 4.7%
- Businesses and economy – 3.8%

These findings have been reflected in the final Manchester Climate Change Strategy 2017 – 2050 which is available to view at manchesterclimate.com/plan

To get in touch with Manchester Climate Change Agency email: info@manchesterclimate.com