

Whalley Range Climate Action Plan – Version 20.11.19

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Summary

This report uses figures for carbon reduction published by Manchester City Council in 2019, figures for the carbon footprint of an average UK citizen published in 2007, as well as data from the 2011 census for the Whalley Range area to make informed guesses about the carbon footprint of Whalley Range and its residents.

Strategies are suggested for carbon reduction, which will have the most impact based on the above assumptions. The latter part of the report is the start of a community inventory, which will allow easier networking across the area.

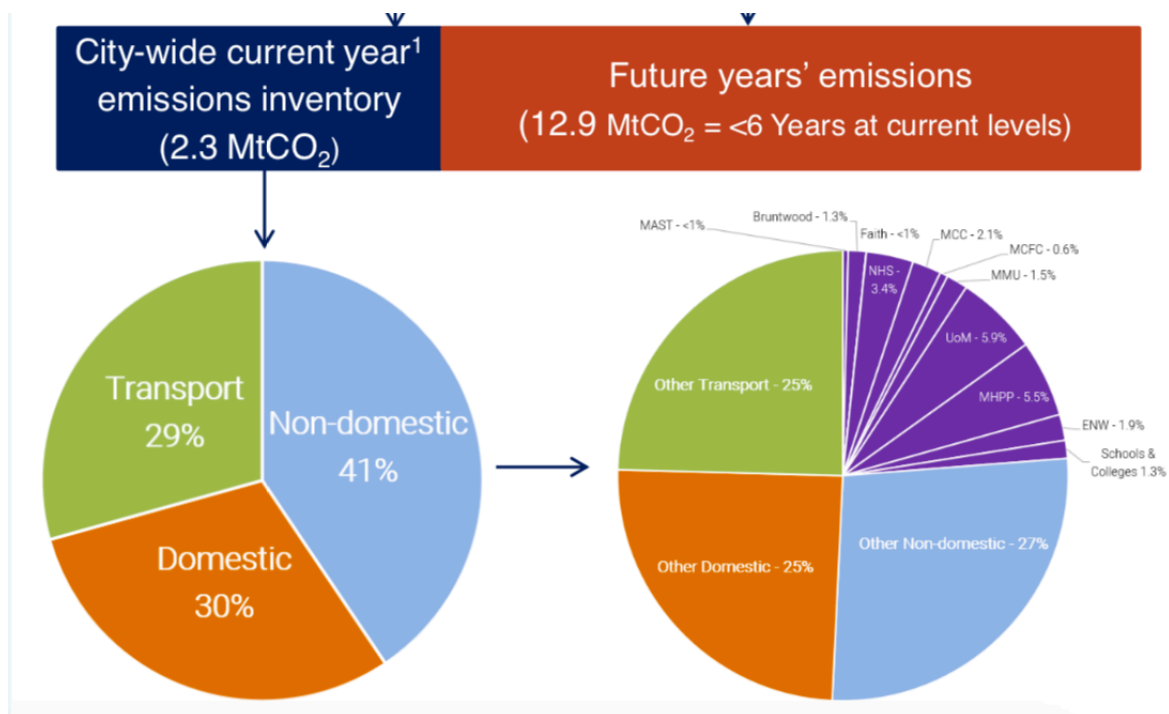
Introduction

Climate breakdown is becoming an ever greater threat to human existence. The current CO₂ level in the atmosphere stands at 412ppm (<https://www.co2.earth>) in March 2019 and rising. Rich nations need to cut emissions in half by 2025 to contribute their fair share to avoiding runaway climate change. This amounts to 14-15% cuts in emissions year on year continuing on to zero carbon emissions by 2038 (Draft Manchester Zero Carbon Plan) or earlier, as demanded by Extinction Rebellion.

Manchester and the Greater Manchester city region have both committed to be carbon neutral by 2038. However, this goal can only be achieved if all residents, businesses, and organisations contribute their utmost to lowering their carbon footprints. Local action from residents is a necessary part and can create an example of how a community can work together to transform itself, creating political will and support for bold action required by political leaders.

Our Current Emissions

The Draft Manchester Zero Carbon Framework 2020-2038 (p.15) gives current and future emission for Manchester as follows:



The biggest individual organisations making up 23% of emissions over the next 6 years are listed as follows (page 17):

1. Manchester Arts Sustainability Team (MAST)
2. Bruntwood
3. Our Faith, Our Planet (Faith)
4. Manchester University NHS Foundation Trust (NHS)
5. Manchester City Council (MCC)
6. Manchester City Football Club (MCFC)
7. Manchester Housing Providers Partnership (MHPP)
8. Manchester Metropolitan University (MMU)
9. University of Manchester (UoM)
10. Electricity North West (ENW)

Of those, only Our Faith, Our Planet and the Manchester Housing Providers Partnership have links to Whalley Range. There are no individual big businesses in the ward with the biggest employer being Whalley Range High School. Therefore, our ward-level emissions will mainly be caused by domestic energy use, transport and indirect emissions embedded in consumption.

General Information about Whalley Range

Information applies to the ward area before the boundary changes in 2018; census data from 2011:

Manchester City Council ward profile version 2011/01:

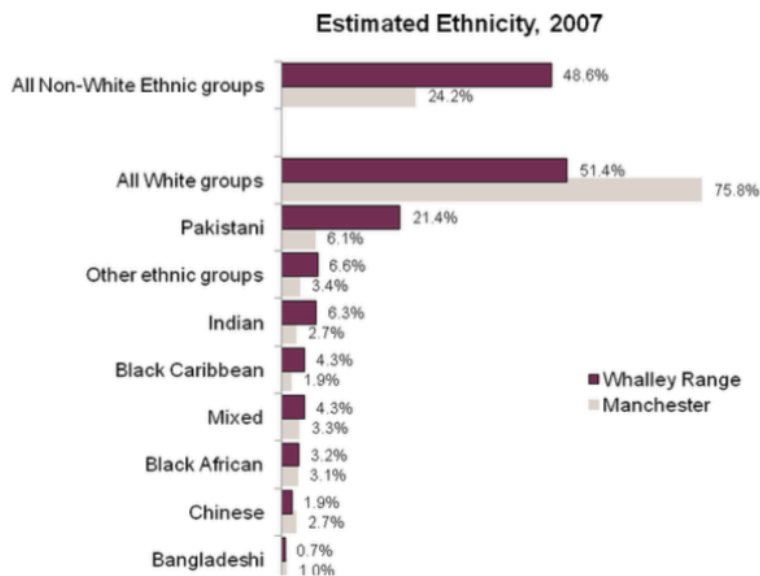
1. Population size 14,600 in 2009.
2. Population density is relatively high and the average household size is slightly larger than Manchester as a whole. In 2007 the average household size in WR was 2.42 compared to 2.29 in Manchester. Population density was 68.5 people per hectare compared to 41.8 in Manchester.
3. Whalley Range has a relatively young age profile with more people aged 0 to 4 and 20 to 39 than average in England and Wales.
4. In 2001, around 44% of households in Whalley Range contained a single person, a higher proportion compared with Manchester as a whole. Around a third of households in Whalley Range contained children.

Whalley Range ward within Manchester City Council



https://en.wikipedia.org/wiki/Whalley_Range,_Manchester

5. Ethnicity: It is estimated that the ward contains the third highest proportion of residents belonging to the Pakistani ethnic group namely 21% of residents.



6. Housing Tenure: WR contained a total of 6,553 properties in 2011.

	Manchester City Council Properties	Void Manchester City Council Properties	Private Properties	Void Private Properties	Registered Social Landlord Properties	Void Registered Social Landlord Properties	Total Number of Properties (All Tenures)	Total Number of Void Properties (All Tenures)	Percent Void (All Tenures)
2010	-	-	5,285	416	1,138	29	6,328	445	7.03%
2011	-	-	5,427	355	1,120	94	6,553	450	6.87%

N.B. All Tenures includes: Other public sector (Private), University student (Private) and Council non-housing use (Social) so totals are greater than the sum of the previous columns

7. Economy and Employment: Higher proportions of workers in the ward were employed in the education, and health and social work sectors, with much lower averages in hotels, wholesale, transport, manufacturing, financial intermediation and real estate sectors.
8. In 2008, the ward had a lower proportion of children under the age of 16 in poverty than the Manchester average (27.4% compared to 41.8%), but a higher rate than the average for England as a whole.

9. Vehicle ownership and transport:

In 2001, Whalley Range had higher car ownership than the Manchester average.

Vehicle Ownership	Whalley Range	Manchester
0	39.4%	47.8%
1	44.1%	39.5%
2	13.4%	10.6%
3	2.3%	1.5%
4 or more	0.9%	0.5%

Source: ONS Census 2001, Crown copyright

Whalley Range had the highest proportion of working residents cycling to work in 2001. There were higher than City averages driving to work, and working from home.

Transport to Work*	Whalley Range	Manchester
Work mainly at, or from, home	7.9%	6.5%
Train; metro; tram	3.0%	2.6%
Bus; minibus; coach	22.0%	22.1%
Motor cycle; scooter; moped	0.4%	0.6%
Car; van (as driver)	47.9%	45.4%
Car; van (as passenger)	5.2%	6.4%
Taxi; minicab	1.2%	1.2%
Bicycle	5.3%	3.3%
On foot	6.9%	11.4%
Other	0.2%	0.4%

*by employed residents aged 16-74

Source: ONS Census 2001, Crown copyright

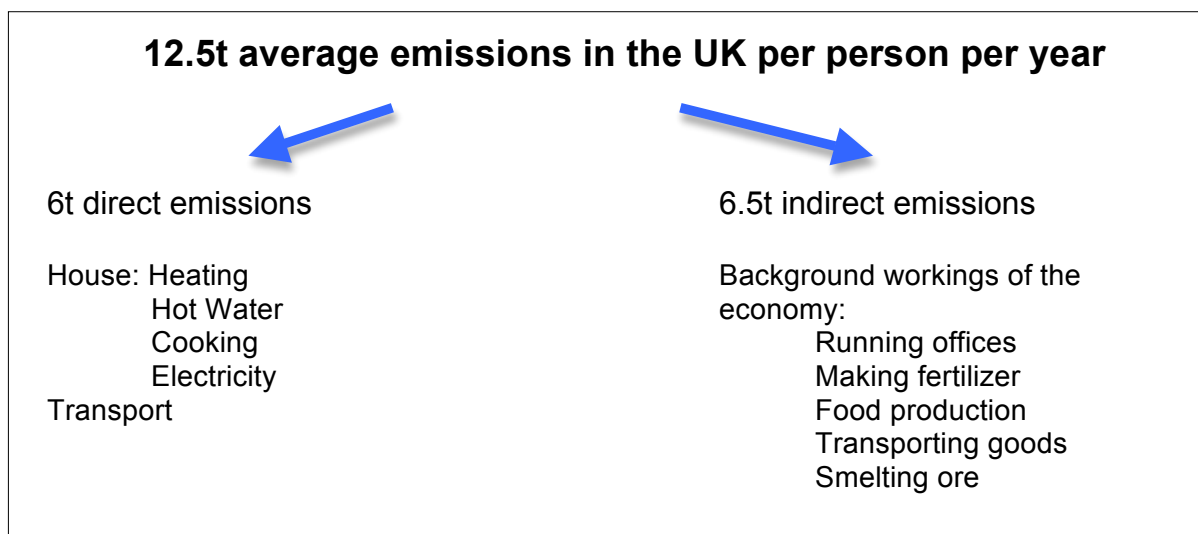
10. Life expectancy at birth is higher in Whalley Range than in Manchester as a whole, although still lower than life expectancy in England.

Average Carbon Footprint of a UK Resident

The carbon footprint of the average UK citizen stands at an estimated 12.5 tonnes per person per year including shipping, aviation and consumption (Goodall 2007). This is in line with other EU states and has remained unchanged since the 1990s. Assumptions for the average UK resident are: 2.3 people per household, average-sized house, average use of car, public transport and planes. Heating, hot water and cooking with gas.

In comparison the average carbon footprints in other nations are as follows: US 20t/p/a, Kuwait 30t/p/a, China 5t/p/a, Vietnam 1t/p/a, Kenya 0.3t/p/a, Nepal 0.1t/p/a.

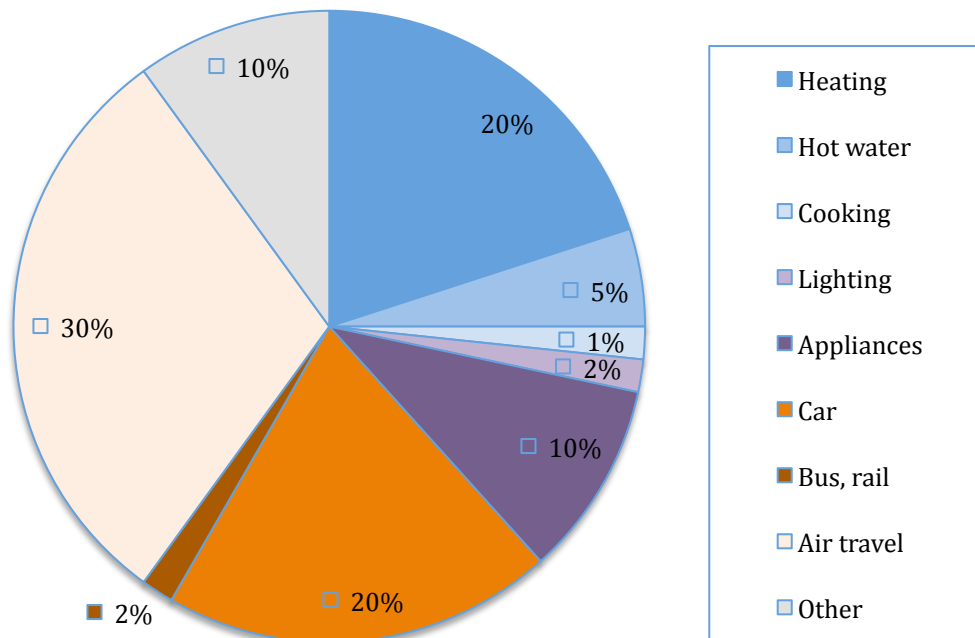
Of the 12.5t/p/a emissions in the UK, half are direct emissions and half come from indirect sources. To be sustainable and fair, emissions have to fall to no more than 2t/p/a (Monbiot 2006).



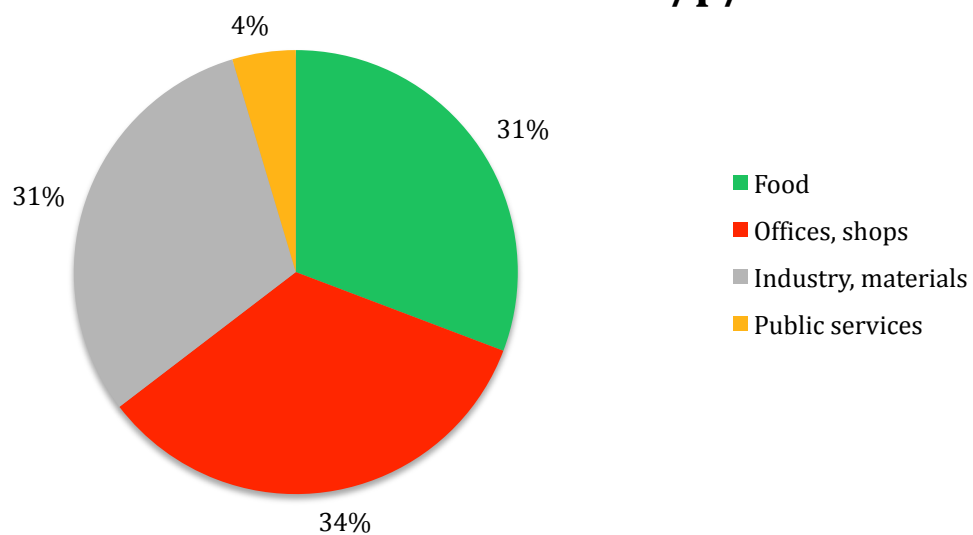
Direct Emissions 6t/p/a:

House	Heating	1.2
	Hot water	0.3
	Cooking	0.1
	Lighting	0.1
	Appliances	0.6
<i>Total house</i>		2.3
Transport	Car	1.2
	Bus, rail	0.1
	Air travel	1.8
<i>Total transport</i>		5.4
Other		0.6
Total direct emissions		6

Direct Emissions CO₂ in t/p/a



Indirect emissions 6.5t/p/a



The biggest indirect emissions come from the following sources: Heating, cooling, lighting and appliances in supermarkets and office spaces, making fertilizer, the food system, transporting goods, and smelting ore.

Farming produces about 2t/p/a in emissions in the UK. 1/6 of this comes from the release of nitrous oxide when using artificial fertilizers. This can be avoided through buying only organic food. Going vegan cuts one's food carbon footprint in half.

Work places: Supermarkets and offices are the worst. Their carbon footprints range from 1.3t/p/a to 4t/p/a. Working from home is much more energy efficient.

Industry: Main focus is on consuming less material, especially metals. Emissions for different industrial sectors are as follows in t/p/a (Goodall 2007, p. 251): Oil and gas extraction 0.7, metal manufacture and processing 0.5, shipping 0.5, public services 0.3, retail 0.3, land freight 0.3, cement, limestone and plaster 0.2, chemicals 0.2, construction 0.1, plastics 0.1, paper, print and publishing 0.1, coal mining 0.1, everything less at or below 0.05.

Strategies for carbon reduction in Whalley Range

Given the general discussion above, the following list suggests the most important areas for carbon reduction in Whalley Range (work in progress):

Energy:

- Encourage households to switch to 100% renewable electricity suppliers.
- Lowering carbon emissions from domestic heating: New boilers, better heating controls and whole house insulation and airtightness retrofits. This will be especially difficult in WR given its old housing stock and conservation area status.
- Community based energy production with solar PV.
- Engaging with shops, offices, schools and faith organisations on how to reduce their carbon footprints from their use of buildings.

Transport:

- Getting residents to pledge flying less or stopping flying all together.
- Reducing car use and supporting a modal shift in transport to active transport and public transport options. We already have a high level of walking and cycling in the area and we are close enough to the city centre to make active transport the fastest option to get into town. As the area is mainly residential we have a good rationale to restrict motorised traffic through the area and around schools.

Consumption & Waste:

- Lowering general consumption of goods and materials through re-use, repair and sharing. We already have an excellent community network through the Whalley Rangers Facebook group and other local community groups.

Food:

- Encourage a shift to mainly vegan diets.
- Encourage the use of green spaces in Whalley Range to grow food organically.

Civic:

- Encourage people to vote for credible carbon reduction policies.
- Supporting community cohesion.
- Forming a campaign group to link with other organisations.
- Proactively reach out to all heritage communities.

Education

- Working with schools to promote understanding of low carbon lifestyles.
- Putting on events and run information stalls in the community.

Existing Organisations, Social Networks and Projects

The following list is a preliminary inventory for WR. Please send any information for inclusion to Gudrun at gstintin@gmail.com

Faith Organisations:

1. St Margret's, Whalley Road
2. St Edmund's, Alexandra Road South
3. St James, Princess Road, <https://www.stedsandstjames.org.uk/st-james>
4. Chinese Church, Alexandra Road South
5. Whalley Range Methodist Church, Withington Road
6. Manley Park Methodist Church, Egerton Road North
7. English Martyrs R.C. Church, Alexandra Road South
8. Minhaj-ul-Qur'an Central Mosque, Withington Road
9. British Muslim Heritage Centre, College Road
10. Zakariya Mosque, Clarendon Road
11. Shere-rabbani Mosque, 11A Bedford Avenue
12. Hindu Temple, Wilbraham Road
13. Sri Guru Gobind Singh Gurdwara, Upper Chorlton Road
<https://www.manchestergurdwara.co.uk>
14. ISKCON Hare Krishna, Mayfield Road
<http://www.iskconmanchester.co.uk/index.html>
15. Manchester Spiritualist Centre, Alexandra Road South
<https://www.snu.org.uk/manchester-spiritualist-church>

Schools

Secondary Schools:

1. St Bede's College, Alexandra Road South
2. William Hulme Grammar School, Springbridge Road
3. Kassim Darwish Grammar School for Boys (Muslim), Alexandra Road South
4. Whalley Range 11-18 High School (Girls Only), Wilbraham Road

Primary Schools:

1. Our Lady's R.C., Whalley Road
2. Manley Park County Primary,
3. St Margret's CofE, Withington Road

Early Years Centres:

Sure Start, St Margret's School, Withington Road

Medical Centres and Pharmacies:

Ashville Surgery: 171 Upper Chorlton Rd, Manchester M16 9RT,

<https://www.ashvillesurgerymanchester.co.uk>

Range Medical Centre: 121 Withington Rd, Manchester M16 8EE,

<https://www.therangemedicalcentre.co.uk>

Alexandra Practice, 365 Wilbraham Rd, Manchester M16 8NG,

<https://www.thealexandrapractice.co.uk>

Range Pharmacy, 121 Withington Rd, Manchester M16 8EB

Everest Pharmacy, 117B Withington Rd, Manchester M16 8EE

Senior Citizen's Centres:

Indian senior Citizens Centre, 16-18 Whalley Rd, Manchester M16 8AB

Community Organisations:

Whalley Rangers: Loose network of different community projects including an anti-fly tipping campaign, a speed watch, community garden, planters on Withington Road, Streets without Herbicides, community markets and the climate change action group. <https://www.facebook.com/groups/thewhalleyrangers/>

Whalley Range Community Forum: Based at JNR8 Centre, meets every other month to share information about what is happening in the community. Supports grant applications and work in the community. Hosts a list of community groups and events on their website. <https://www.whalleyrange.org>

Friends of Alexandra Park: Monthly litter pick first Sunday every month at 12noon
<https://www.alexandraparkmanchester.org>

Friends of Manley Park: Newly formed group to support Manley Park

Whalley Range on Wheels: Cycling group located in Alexandra Park (Bike Hive)

Community Pantry: Located at the Sure Start Centre, St Margret's School, Withington Road

Whalley Range 4 Wildlife: <https://wr4wildlife.wordpress.com/about/> Julie
whalleyrange4wildlife@yahoo.com

Whalley Range and Chorlton Age Friendly

Whalley Range Youth Opportunities

Community on Solid Ground

Manchester South Central Food Bank based at St Edmunds

Whalley Range Allotments, Alexandra Road South

Moss Side Community Allotments, <https://mossidecommunityallotment.wordpress.com>

Low-Carbon Community Organisations outside of WR:

Men in Sheds South Manchester, Merseybank Avenue, Chorlton
Repair Café at Stitched Up, Chorlton. They also run a clothes swap

Community Centres:

Carlton Club, 113 Carlton Road, M16 8BE <http://www.carltonclub.org.uk>, 0161 881 3042,
info@carltonclub.org.uk
JNR8, 82 Cromwell Avenue, Whalley Range, M16 0BG
Manley Park Play Centre, York Ave, Manchester M16 0AS
Golden Centre of Opportunities, 80 Demesne Rd, Manchester M16 8PJ
Whalley Range Cricket & Tennis Club, Kingsbrook Rd, Manchester M16 8NR

Residents Organisations:

Kingsbrook Residents Organisation: kingsbrookra@gmail.com
Woodlawn Court Residents
Range Road Residents:
Cranswick Square Community Group cranswicksquare@gmail.com
Victoria Road Residents Group

Community and Self Help Groups:

Whalley Range Mental Wellbeing Group aim to promote a range of activities to support mental wellbeing and promote positive messages about mental health and reduce stigma and discrimination. Time to Change – every Friday, 6:00 p.m. to 8:00 p.m., JNR8, 82 Cromwell Ave, M16 0BG, Contact: 881 3744 or Carol: 07788855544
Dementia Support Group: Walk & Talk Group, Wednesdays 11-12.30pm, Coffee Cranks Cafe, Alexandra Park

Sports Clubs:

Whalley Range Association Football Club, Kingsbrook Road, M21 0XX - with their entrance gates opposite Daventry Road. 2 football pitches and a new club house.

Shop-based Businesses:

Coffee Cranks Café, Alexandra Park, Demesne Road, Manchester M16 8PJ
Mediterranean Café, 122 Withington Rd, Manchester M16 8FB
Coop Food, 135-141 Withington Rd, Whalley Range, Manchester M16 8EE
Tesco Express, 94a Withington Rd, Manchester M16 8FA

Withington Road traders
Clarendon Road traders
Upper Chorlton Road traders
Princess Parkway traders

Low Carbon Businesses Outside of WR

Unicorn Grocery, 89 Albany Rd, Manchester M21 0BN
Hulme Garden Centre, 28 Old Birley St, Manchester M15 5RG

Housing Associations:

Moss Care St Vincent's
One Manchester
Anchor Housing
Arcon Housing Group
Johnnie Johnson Housing

Professionals:

Waste:

1. Biffa: Rachel Williams, Strategic Regeneration Framework Officer
rachel.williams@biffa.co.uk
2. GM waste Disposal Authority: Janine White janine.White@greatermanchester-ca.gov.uk

Councillors and MPs:

1. Angeliki Stogia cldr.a.stogia@manchester.gov.uk, 07901 528750
2. Mary Watson cldr.m.watson@manchester.gov.uk 0161 8605523
3. Aftab Razaq cldr.a.razaq@manchester.gov.uk 07799 560244
4. Afzal Kahn MP, afzal.khan.mp@parliament.uk
5. Lucy Powell, contact@lucypowell.org.uk

Council Officers:

1. Steve Marsden, MCC Neighbourhood Officer, s.marsden2@manchester.gov.uk
2. Helen Johnston, Neighbourhood Manager
3. Debbie Marsden: Alexandra Park Manager

Sources:

Draft Manchester Zero Carbon Framework 2020-2038
<http://www.manchesterclimate.com/content/framework-2020-2038>

Goodall, C. (2007) How to live a low-carbon life. Earthscan

Manchester City Council ward profile version 2011/01, downloaded 13.3.2019

Monbiot, G. (2006) Heat. Penguin