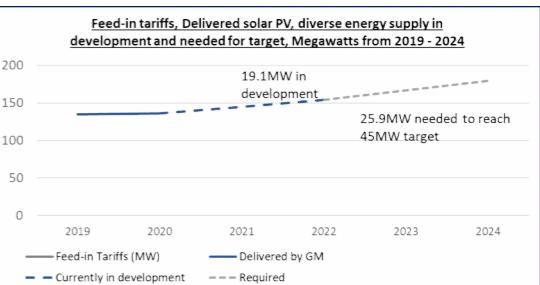
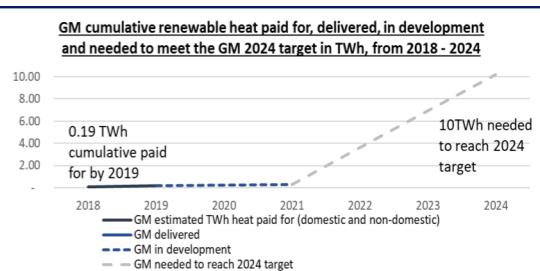


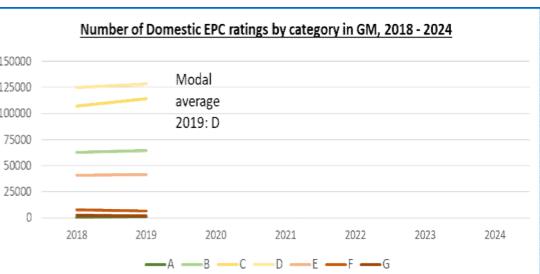
## 5 Year Environment Plan KPIs

5-Year Environment Plan Priorities				
Ref	KPIs (2024 Opportunity)	Status	Delivery	Delivered / In development
E1	Increase local renewable energy (electricity) generation, adding at least a further 45MW by 2024.	↑ Amber	GM Solar Together ERDF solar energy projects 10 LA Local Area Energy Plans (LAEP)	1MW delivered through GM Solar PV Phase 1 19.1 MW in development through Solar PV opportunities. 3 LAEPs in development
E2	Decarbonise how we heat buildings, adding at least a further 10TWh of low carbon heating by 2024.	↑ Amber	Heat Pump Accelerator Acceleration of Retrofit DEEP project delivery	0TWh delivered. 37 projects identified under DEEP phase 1. DEEP phase 2 commenced. 0.1 TWh (117GWh) in development through LA estate and heat networks.
E3	Increasing the diversity and flexibility of our electricity supply, adding at least a further 45MW of diverse and flexible load by 2024.	↑ Amber	LEM project	GM LEM project commenced in July 20 10MW in development
B1	Reduce the heat demand from existing homes with retrofit measures installed on a scale of 61,000 homes per year, achieving 57% reduction in heat loss.	↑ Red	LAEP, ECO, Warm Homes Fund, HAES, Green Homes Grant, SLDF	Estimated 20,862 households retrofitted in 2018/19. (Calculated using GM portion of Great Britain ECO figures – GM is 7.3% of national total). 2,700 GM public buildings in scope for retrofit with 157 currently underway.
B2	Reduce the heat demand from existing commercial and public buildings with a 10% reduction by 2025. Increase in energy certificate ratings D or above.	↑ Amber	DoPE Soft Market test MCC Re:Fit contract Heat Pump Accelerator: AoR	89% of GM lodgements had an energy efficiency rating of D or above (EPC/DEC) in Q2 2020. This 1.2% higher than in Q2 2019. 154 Public Buildings currently in development to meet DEC rating D. Opportunities also identified in primary and secondary schools, and GP surgeries.
B3	Reduce the heat demand in new buildings.		TBD	Measures on reducing heat demand in new buildings will be included in revised GMSF.
SCP1	Producing goods and services more sustainably, moving to a circular economy. 38% reduction in industrial emission by 2025.	↑ Green	SCP Framework, Sustainable Procurement Project delivery: REDUCES, CircBe, Transforms 3D, R3 One Bin	Industrial emissions down to 1,694.3 KtCO2 in 2019 compared to 1,856 KtCO2 recorded in 2018. Maximum emissions 1,150 tCO2 to reach 38% reduction by 2025 (versus 2018 baseline)
SCP2	Becoming more responsible consumers - limiting any increase in waste to 20%.	↑ Green	Public Sector Plastic Pact Delivery of waste prevention campaigns, Plastic Free GM & Refill & Reuse schemes	2019/20 shows an increase of 1% in municipal waste arisings (compared to -8% in previous year's (this is within target). Household residual waste increased by 0.71% from 2018/19 to 2019/20. Compared to previous year's increase of 8.3%. GM Refill pilot launched in 2019. 'Grab your Cup' reusable pilot delivered in Jan 2020. 2 'Renew' shops opened in June 2020. Public Sector single use plastics spend review in catering complete.
SCP3	Managing our waste as sustainably as possible to achieve a recycling rate, 55% by 2024, and 65% by 2035.	↔ Amber	GM Waste Strategy Waste scenario modelling Delivery of recycling campaigns (household)	47.7% household recycling rate for 2019/20 (exl Wigan). Diversion from landfill increased to 98.3% for 2019/20. Paper and cardboard contamination campaign delivered across 9 Districts. Waste scenario modelling complete. Recycle Right campaign (all waste streams) launched in March 2021 across 9 Districts.
SCP4	Reduce unnecessary food waste.	↑ Amber	Input to GM Food Strategy Household food waste prevention campaigns Food pilot (commercial)	Food waste prevention campaign - Buy, Eat, Keep, Repeat launched in Oldham. Supported WRAPS Food Waste Action Week 1-7th March. Work commenced on outline food strategy.
NE1	Managing our land sustainably, including planting 1m trees by 2024.	↑ Green	Nature Recovery Network GM Peatland Restoration Pilot	Final GM Peatland Restoration Pilot report approved by Defra and will feed into the forthcoming England Peat Strategy.
			Tree and woodland strategy	648173 trees planted against 1 million target by 2024 (65% of target). City of Trees (CoT) DEFRA Year 1 funding (2020/21) agreed with a target of 115 ha of new woodland creation sites/ c. 230,000 trees. Pipeline (if funding approved) would take CoT to 1.16m trees by end of 5 Year Plan period (against 1m target).
			Green Recovery Fund	216 ha of existing greenspace improved for nature.
			GM Parks Network	54 green flag awards in GM in 2020/21.
NE2	Managing our water and its environment sustainably.	↑ Green	Natural Course project	134km of water body enhanced in 2016-2018 (26% of target). Target of 542km by 2027.
NE3	Achieving a net gain in biodiversity for new development.	↑ Amber	Biodiversity Net Gain Guidance & Action plan development	BNG Action Plan finalised and shared with LPAs with key priorities identified. NE to identify key priorities in BNG Action Plan to deliver over next 6 months.
NE4	Increasing investment into our natural environment.	↑ Amber	IGNITION project GMEF investment strategy	IGNITION project underway. Investment strategy to be developed by Environmental Finance.
NE5	Increasing our engagement with our natural environment.	↑ Amber	Natural Environment Toolkit Urban Pioneer	Natural Environment Toolkit launched September 2020. Delivery of GM Social Prescribing programme.
			Partnership work with City of Trees, RHS, Sow the City and Groundwork.	12,234 volunteers engaged in volunteer work related to the Natural Environment since 2018/19. 36,970 volunteer hours spent on the natural environment since 2018/19.
			Partners delivery to increase access to greenspace.	43.3% of GM homes with access to 2 ha of greenspace within 300m of home.
CC1	Embedding climate change resilience and adaptation in all policies.	↓ Amber	Policy development including Resilience Strategy	Resilience Strategy released April 2021.
CC2	Increase the resilience of and investment in our critical infrastructure.	↑ Green	Greater Manchester Infrastructure Strategy GIS mapping Flood risk policy in GMSF	Briefing for additional GIS analysis complete. Flood risk policy has been drafted
T1	By 2040 increase the use of public transport and active travel modes to support a reduction in car use to no more than 50% of daily trips made by Greater Manchester residents with the remaining 50% made by public transport, walking and cycling.	↔ Green	Increase use of sustainable modes of transport	Current ratio of journeys made by car vs sustainable modes of transport is 41/59 (2017-2019) against a target of 50/50 for 2040 and compared to 39/61 in 2014-2016. 31% active travel modes (29% walk, 2% cycle) in 2018-2019. Up from 28.5% of all trips made by cycling/walking in 2017/18 and 27% in 2015/16. Mayor's Challenge Fund (MCF) has now approved £84m of schemes including £40m of full business case approvals. Targeting completion of 100km of Bee Network routed before the end of 2021.
T2	Phase out of fossil-fuelled private vehicles and replace them with zero emission (tailpipe) alternatives and implement a charging infrastructure to support expansion of 200,000 EV vehicles in our city-region by 2024.	↑ Green	Phase out of fossil-fuelled private vehicles and replace them with zero emission (tailpipe) alternatives  Implement a charging infrastructure to support expansion of 200,000 EV vehicles	36,673 plug-in cars and light goods vehicles registered at end Q4 2020 compared to 5,090 plug-in vehicles at end Q2 2020 (620% increase). Sharp increase is due to a leasing company registering a large number of its vehicles in one SK postcode, artificially raising the figures. Be.EV launch website at be-ev.co.uk. Be.EV network established via EVCI Contract  GM Zap Map data as of 13/07/2020: 4 ultra-rapid charges (-), 58 rapid charges (+2), 442 fast devices (-4) and 29 slow devices (-). Early measures Project - 7 rapid charging devices installed and operational. Additional 10 by Sept 2021. Expansion of the city region's Electric Vehicle charging network ongoing.
T3	Tackle the most polluting vehicles on the road. (Up to 200,000 low carbon vehicles by 2024).	↑ Green	Clean Air Plan	Funding secured via Clean Air Plan proposals to support the uptake of Zero Emission capable taxis.
T4	Establish a zero emissions free bus fleet. 100% of all buses are zero emissions (tailpipe) by 2035.	↑ Green	Zero emissions bus fleet Bus retrofit	3 zero emission buses in TfGM fleet to-date. Stagecoach deployed first of 32 full EV double deck buses. 90% of buses retrofitted to date through clean bus technology fund. As at the end of May 2021, there have been 63 applications made by 18 operators through Clean Bus Fund (CBF). The total number of buses eligible for retrofit funding that has been approved is 756 (target 900+ buses). The total funding that has been approved is just over £11.7 million.
T5	Decarbonising freight transport and shifting freight to rail and water transport.	↑ Amber	Delivery of freight roadmap	GM Freight Strategy and Action Plan signed off at GMCA level.

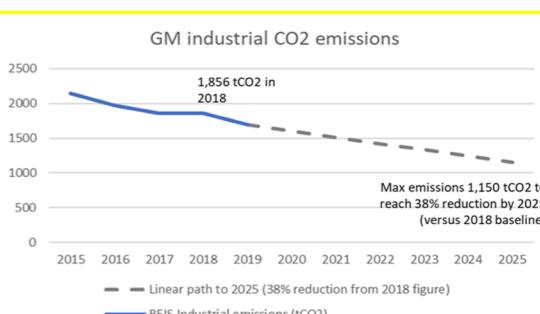
## Energy



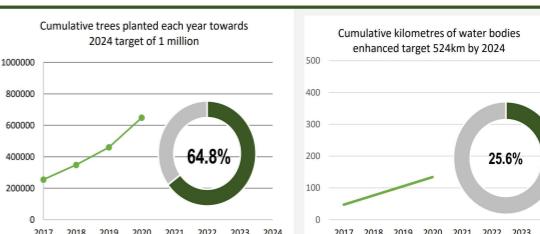
## Buildings



## SCP



## NE



## Transport

