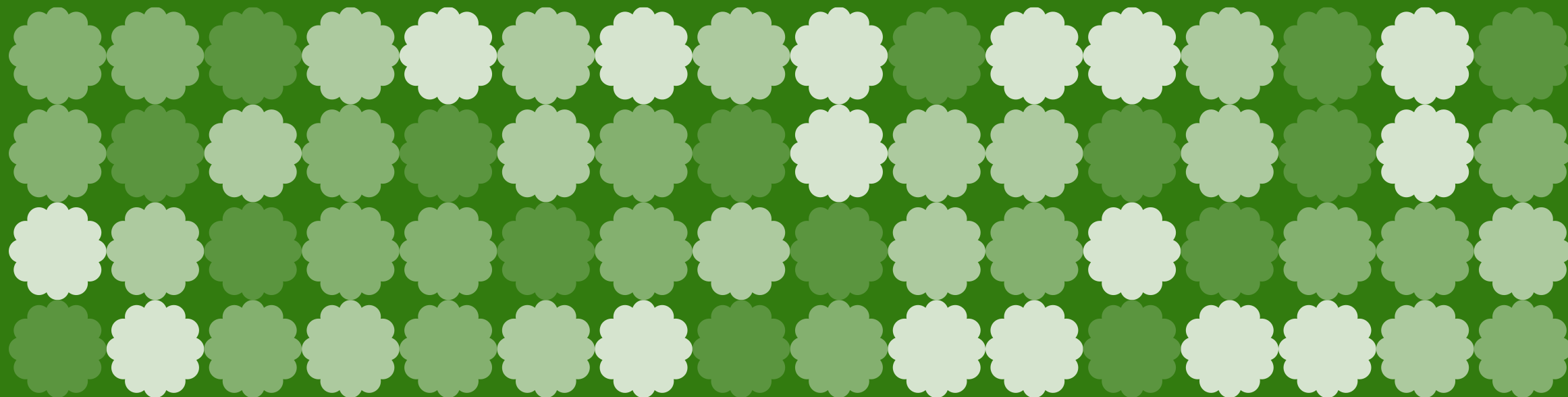


Five Year Environment Plan Delivery

Item 06a



5YEP Delivery

- Prioritising actions for delivery in first year across all lead organisations and allocating delivery responsibility
 - Listing existing and planned activity against first year actions
 - Identifying challenge groups and task and finish groups responsible for actions
 - Reviewing the Mission Based Approach and getting challenge groups feedback
-

Existing Green City Region Governance – Mission Based Approach

Governance

Legend

- = Advisory – Non Decision making
- = Decision making
- ... = Mayoral Priority Focus

GMCA

Wider Leadership Team

Public Sector (Monthly)
 - LA/Public sector focus
 - Topic focused

Challenge Groups (Quarterly)
 - Target driven, Outcome focused
 - Topic based Task Leads

Task & Finish Groups (examples - as needed)
 - Problem solving, task delivery

GM Green City Region Board
 10 x District Portfolio Leads

Green City Region Partnership

Programme Delivery Executive
 - Policy (Energy, Waste, Buildings, Transport, LIS)
 - Investment, Research, Skills, Communications

GM Retrofit Taskforce

LA Climate Emergency/5YEP

Decarbonising Public Estate

5 Year Environment Plan Forum

Open Forum (Quarterly)
 - Cross cutting
 - Support and Challenge

Sustainable Consumption/Production Challenge

Low Carbon Challenge

Communications Challenge

Natural Capital Challenge

Circular Economy models

Retrofit Finance

Local Energy Market

PV Uptake

Public Buildings Retrofit

Energy Transition region

SUDs

Master Planning

Key Influencers

Growth Board

LEP

Integrated Care Board

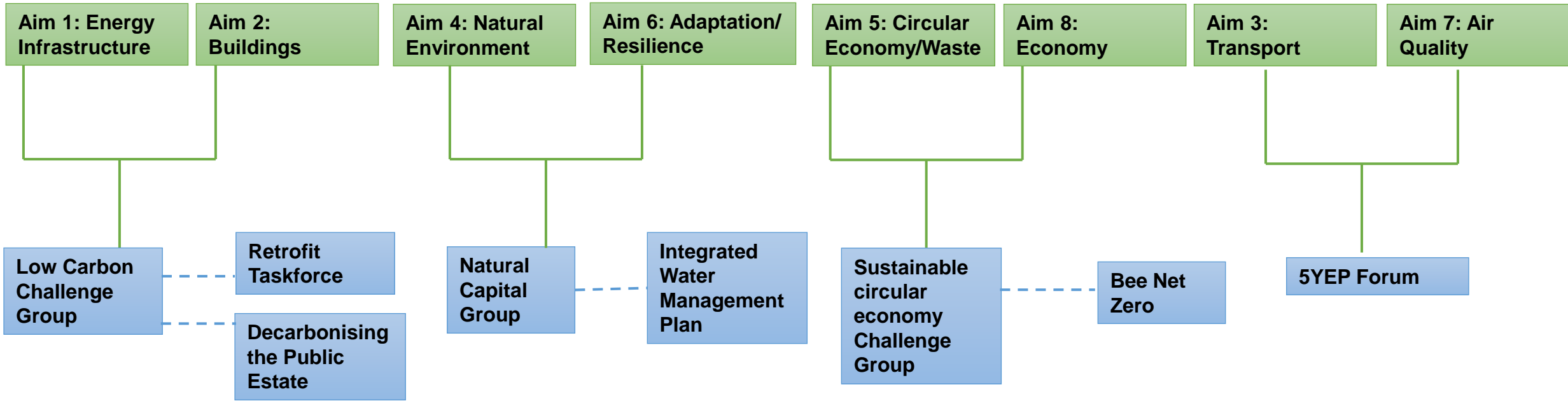
GM Waste & Recycling Committee

GM Transport Committee

GM Strategic Infrastructure Board

GM Planning and Housing Commission





- Cross Cutting Groups**
- Five Year Environment Plan Forum
 - Communications Challenge Group
 - Climate Emergency/LA Liaison
 - Programme Delivery Executive
 - Green City Region Partnership
 - Green City Region Board
-

Aim 1: Our energy infrastructure is smart, flexible and fit for a low carbon future

1. Increase renewable energy generation and energy storage installed
2. Increase the resilience, capacity and flexibility of the electricity network and its users
3. Increase the number, generation capacity and level of operational heat networks
4. Increase installed capacity and use of low carbon hydrogen

First Year Priority Actions

- Low carbon technology – social housing financial mechanisms, developments for renewable energy, review local bottlenecks for deployment
- Large scale grid connected renewable energy and storage for public sector
- Engagement with public and landowners in areas for large scale renewables
- Property level renewables and storage for business, community and public building
- Bee Net Zero and Community Energy Funding programmes
- Guidance for LAs on developing a Local Area Energy delivery plan
- Ensure that the electricity grid is able to meet the increasing demands
- Invest in the electricity network & procure flexible services to ensure ENWL network has capacity to enable low carbon technologies
- Increase stakeholder engagement and collaboration across Growth and Investment Zones, Net Zero Accelerator asset deployment and Places for Everyone
- Improve the connectivity of homes to enable participation in a smart energy system
- Procure "flexible services"
- Residents awareness of energy load shifting
- Promote the Energy Innovation Agency Review
- Heat zoning policy, heat network pipeline and delivery of heat network schemes
- Waste heat sources as part of heat networks infrastructure development
- Phase 1 of Trafford Energy Park
- Development of suitable test sites for low carbon hydrogen off-take usage
- Roll out of low carbon hydrogen infrastructure and supply, subject to viability tests
- Feasibility pilots for hydrogen fuel cell

Challenge Groups Responsible for Delivery

- Low Carbon
- Bee Net Zero/Sustainable Economy
- Communications
- 5YEP Forum

Existing Task and Finish Groups, Delivery Groups and Programme Boards

- NZA
- GM Housing Retrofit Group
- GM Infrastructure Board
- DoPE
- Digital Directorate (CHIPS)
- EIA Board Group
- Heat Networks
- Hydrogen (developed from Strategy Refresh)
- Panasonic Partnership Group
- 5YEP/CE

Emerging Task and Finish Groups

- Community Energy
- Sustainable Lifestyles
- Sustainable Businesses

Aim 2: Our buildings are sustainable and energy efficient

5. Increase the number of homes retrofitted
6. Increase the number of public and commercial buildings retrofitted
7. Increase the number of low carbon heating systems installed
8. Ensure all new developments are net zero carbon and sustainable

First Year Priority Actions

- Finance for retrofitting social homes and for property owners
- Grant schemes from devolved integrated settlement fund for retrofit,
- Uniform specification for key technologies for social housing
- Expand Feel the Benefit Portal and online advice
- Expand 'Willing to Pay' retrofit service
- Deliver warm home prescriptions to households most in need
- Retrofit consumer research
- Re-educate residents on benefits of energy efficient appliances
- Use Good Landlord Charter to influence residential landlords
- Costed estates wide plan to decarbonise assets
- Retrofitting LA-controlled schools of DEC / EPC of D or below
- GM-wide Retrofit Framework for procurement to the delivery of public sector building retrofit
- Plan for no more fossil fuel heating systems to be installed in all new public buildings
- Consider cooling as part of all building retrofit works
- Embed the requirements for commercial sector and public sector buildings into the financial and delivery models of the net zero accelerator
- Promote national incentives, such as the Boiler Upgrade Scheme
- Clean Heat Market Mechanism
- Support and guidance for householders on ASHP installations
- Low carbon technologies
- Support the environmental policies in Places for Everyone
- TANZ and housing first
- PAS2080 standards, carbon management plans into all public investment
- Embodied Carbon Calculator

Challenge Groups Responsible for Delivery

- Low Carbon
- Bee Net Zero/Sustainable Economy
- Communications
- 5YEP Forum

Existing Task and Finish Groups, Delivery Groups and Programme Boards

- GM Housing Retrofit Group
- SHDF Consortia meeting"
- Green Finance Group
- GM Infrastructure Forum
- 5YEP/CE

Emerging Task and Finish Groups

-

Aim 3: Our transport system is reliable, integrated, inclusive, affordable and enables active and sustainable travel

- Establish a long-term strategy and detailed delivery plan for an integrated transport system by 2027
- Deliver an integrated transport system to enable the GM population to switch to active/public transport
- Support the transition to electric mobility
- Deliver policies and programmes that make sustainable transport and travel as attractive as possible
- Support communities and business to adopt more sustainable travel habits

First Year Priority Actions

- GM Local Transport Plan (LTP) (including Transport Strategy 2040)
- Northern Powerhouse Rail and high-speed rail
- School Travel Strategy
- Secure funding (through the Trailblazer Devolution Deal and Single Settlement)
- City Region Sustainable Transport Settlements (CRSTS) development funding
- Infrastructure pipeline proposals for the 2027-2032 investment period
- National policies that introduce economic incentives for businesses and individuals
- Grow and improve the Bee Network including Bee Active Routes, crossings and walking and wheeling improvements at junctions
- Deliver Nighttime transport pilot
- Produce Cycle Hire development and expansion plan
- Information displays at interchanges and bus stops and audio-visual announcements on buses
- Implement multi modal fare capping, flattened fares and hopper fares
- Strategy, planning and development for the short, medium and long-term future of Metrolink.
- Journey planning tools
- Metrolink upgrades
- Travel Safe Support and Enforcement Officers (TSE) across Bee Network
- Improve local rail stations and services
- Deliver two accessible rail stations
- Incorporate agreed commuter lines into the Bee Network, introduce Pay-As-You-Go capabilities
- Vision Zero Strategy approach to road danger reduction

Challenge Groups Responsible for Delivery

- Bee Net Zero/Sustainable Economy
- Low Carbon
- 5YEP Forum
- Natural Capital
- Communications

Existing Task and Finish Groups, Delivery Groups and Programme Boards

- Transport Strategy Directorate
- Bee Network Committee
- 5YEP/CE

Emerging Task and Finish Groups

- Sustainable Lifestyles
- Sustainable Businesses

Aim 4: Our natural environment is enhanced, providing benefits for people, economy and nature

- Expand and enhance our best spaces for nature
- Better connect the best spaces for nature by creating and restoring habitats
- Reduce pressures on our water environment
- Increase the amount of green and blue spaces (parks, countryside, public realm etc) that are better managed for nature
- Increase the number of green and resilient transport routes, streets & highways
- Increase the amount of green and resilient new infrastructure, regeneration and development
- Increase the amount of community-led action and better connection to nature

First Year Priority Actions

- Work with landowners and partnerships to support more land being protected and designated for nature
- Bringing land into active management and implement management plans
- Publish a Local Nature Recovery Strategy and reflect in local plans, policies and decision-making tools
- Growth of a local market for Biodiversity Net Gain
- United Utilities £250m of investment in rainwater management through United Utilities' Advanced WINEP
- Initiatives to develop more integrated approaches to managing water sustainably
- Funding and capacity for LAs to assess tree planting opportunities and bring sites forward
- Update Planning Policy guidance to ensure new developments maximise biodiversity and resilience benefits
- Support the use of the SuDS Design Guide through training and sharing best practice
- Integrate greening into regeneration projects, to bring nature into town centres
- Consider setting a mandatory level of green cover through new development via setting an Urban Greening Factor
- Provide funding to community groups to create or improve green spaces, including through funding 100 Green Spaces Funds projects

Challenge Groups Responsible for Delivery

- Bee Net Zero/Sustainable Economy
- 5YEP Forum
- Natural Capital
- Communications

Existing Task and Finish Groups, Delivery Groups and Programme Boards

- LNRS Steering Group
- LA LNR Group
- IWMP
- GSF Partnership
- 5YEP/CE

Emerging Task and Finish Groups

- Sustainable Lifestyles
- Sustainable Businesses
- Land Management

Aim 5: Our city region transitions to a circular economy and our waste is reduced, reused or recovered

- Increase the rate of transition to a circular economy through an industry approach primarily focusing on construction, plastics and textiles industries
- Deliver policies and programmes to make carbon reduction actions and sustainable lifestyles attractive
- Reduce the amount of waste in every waste stream by reducing consumption and increasing reuse, repair and redistribution
- Develop and implement the GM Waste and Resources Strategy

First Year Priority Actions

- Identify and promote local exemplars of sustainable companies
- Reduce the use of single use items
- Help residents understand how they cause carbon emissions and what they can do to reduce them
- Uptake of carbon literacy, climate change and sustainable lifestyles training by public and private organisations
- Use behavioural insights to create effective engagement strategies
- Formation and growth of a less linear buy-use-throw away-buy again economy
- Encourage residents to support repair cafes and reuse shops within communities
- Provide guidance and support on 'Library of Things' offer
- Business platform to enable distribution of no longer needed items
- Work with retailers and hospitality venues to encourage the use of innovative reusable solutions
- Food waste action plan
- Discourage multi-buy deals
- Education awareness programmes and communication campaigns
- Pilot resource management projects to improve the quality and rate of recycling with willing LAs
- Collaborate with Collection authorities on the range of waste streams collected
- Maximise resources through waste disposal infrastructure
- Explore feasibility of optimising existing infrastructure or commission new facilities to maximise capture of recyclable materials

Challenge Groups Responsible for Delivery

- Bee Net Zero/Sustainable Economy
- 5YEP Forum
- Communications

Existing Task and Finish Groups, Delivery Groups and Programme Boards

- Waste Strategic Officers Group
- GM Food Programme Board
- 5YEP/CE

Emerging Task and Finish Groups

- Sustainable Lifestyles
- Sustainable Businesses
- Public sector

Aim 6: Our city region is better adapted and more resilient to the increasing impacts of climate change

- The priority risks arising from climate change are managed and reduced
- The adaptive capacity and resilience of our communities and organisations is increased with a focus on the most vulnerable
- Publish and begin the delivery of a Climate Adaptation Strategy

First Year Priority Actions

- Coordination between decarbonisation and adaptation activities for homes
- Reduce flood risk through nature-based Solutions, natural flood management schemes, flood management schemes, property resilience measures, and planning policy
- Engage with hospitals, social care, care homes and other residential settings
- Research to support business scenario planning for extreme weather events
- Improve adequate insurance coverage for flood risks, particularly for SMEs
- Raise awareness of low and medium-cost flood measures for businesses
- Communications aimed at residents on flood insurance, over-heating
- Communications on the availability of Property Flood Resilience measures
- Voluntary and Community Sector Groups to raise awareness on community support during extreme heat events,
- Roll-out of Cool Spaces during heat periods across GM
- The GM Climate Adaptation Strategy and Implementation Plan
- Convene an Extreme Heat and Cold Strategic Group
- Raise awareness of guidance on the use of Nature-based Solutions to reduce flood risk and increase resilience to drought,
- Explore and assess options for measuring and monitoring the urban heat island effect in GM
- Local Authorities develop district-level Climate Change Risk Assessments and action plans
- GMCA Directorates encouraged to embed climate risks into their risk registers and business plans
- Using existing tools that map social vulnerability and exposure to climate hazard (i.e., the Just Climate Mapping Tool), identify priority areas for intervention

Challenge Groups Responsible for Delivery

- Bee Net Zero/Sustainable Economy
- 5YEP Forum
- Communications
- Low Carbon
- NCG

Existing Task and Finish Groups, Delivery Groups and Programme Boards

- GMRF,
- GMRU (Heat Comms Steering Group), Ageing Hub
- SIB
- 5YEP/CE

Emerging Task and Finish Groups

- Sustainable Lifestyles
- Sustainable Businesses

Aim 7: Our air quality enhances the health, wellbeing and quality of life of our residents

- 32. Reduce emissions that contribute to poor air quality
- 33. Support communities and business to encourage the adoption of behaviours that contribute to improving Air Quality

First Year Priority Actions

- Enforce the existing smoke control legislation
- Report on the impact of domestic solid fuel burning on the AQ in GM, using outputs of DEFRA-funded particulate campaign (to 2026)
- Complying with the supply of fuels legislation for smoke control areas
- Reviewing manufacturing processes to understand where efficiencies can be made, or processes changed to less polluting methods and ensure compliance (plus) with pollution emission legislation
- Plugin refrigeration units for HGVs or if necessary, those which run off LPG rather than diesel
- Switch to zero emission / cleanest vehicles for fleet
- Ensure that engines are not idling when stopped unnecessarily.
- Investment-led, non-charging Greater Manchester Clean Air Plan
- Remind residents of the legislative requirements regarding domestic burning and the health impacts
- Increase public and active transport use or if there are no other alternatives choosing a less polluting car such as an EV, or hybrid vehicle

Challenge Groups Responsible for Delivery

- Bee Net Zero/Sustainable Economy
- 5YEP Forum
- Communications

Existing Task and Finish Groups, Delivery Groups and Programme Boards

- Air Quality working group
- 5YEP/CE

Emerging Task and Finish Groups

- Sustainable Lifestyles
- Sustainable Businesses

Aim 8: Our economy will grow sustainably because of the interventions we make to benefit both our residents and businesses

23. Increase the number of businesses which are more resource efficient, reducing their operating costs, impact on nature and carbon emissions and sustainably innovating their products, processes and services
24. Increase the resilience of supply chains, managing and mitigating risks from a changing climate
25. Increase the size and productivity of GM's Environment & Low Carbon sector, creating secure, good quality jobs for our residents
26. Increase the number of residents who have the skills needed to work in the greener economy

First Year Priority Actions

- Bespoke engagement with place-based business and individual sectors
- Engagement with client businesses on the risks, opportunities and financial incentives of transition
- Industry support from investors, national programmes and initiatives from other city regions
- Provide advice and access to innovative technology solutions
- Accelerate commercialisation of their innovative products and services
- Public sector innovation funding and private sector finance
- Enhance products and services through collaboration with the city-region's leading R&D assets
- Information and guidance to increase resilience to flood events
- Engage large-scale event organisers and venues on over-heating risks
- Interdependencies and cascading risk failure identified and managed
- Critical infrastructure sectors and supply chains risk and resilience
- Environmental Goods and Services sector to grow along with workforce (increasing demand)
- Grow circular economy businesses
- Diversification of companies into the green economy and use of Good Employment Charter
- Develop new products and services through universities
- Embed climate knowledge in all jobs and wider society
- Adult skills courses and retraining
- Environmental outcomes into the MBacc gateways
- Connect environmental employers in the region to schools and colleges
- Test innovative models of upskilling and training utilising enhanced devolution powers

Challenge Groups Responsible for Delivery

- Bee Net Zero/Sustainable Economy
- Circular Economy
- 5YEP Forum
- Communications

Existing Task and Finish Groups, Delivery Groups and Programme Boards

- BNZ general
- Low Carbon SDP
- Green Skills
- 5YEP/CE

Emerging Task and Finish Groups

- Sustainable Lifestyles
- Sustainable Businesses
- Business & industrial park decarb

Next steps

- Continued work on prioritising actions for year 1 and allocating delivery responsibility
 - Proposal for task and finish groups to be drafted and presented back to the challenge groups
 - A separate task team (if deemed necessary) will be formed to explore potential funding opportunities.
 - A delivery plan will be developed to determine how task and finish groups will deliver including resource, research, procurement and comms needs
 - Work with challenge groups to set up task and finish groups
 - Developing new performance monitoring framework
 - Developing executive summary
-

Recommendations

- Provide feedback and approval on proposed delivery approach and Year 1 YEP priorities

