Appendix 1

Circular Economy Action Plan Update

Action Plan Theme: People					
No.	**Description**	**Partners**	**Timescale**	**Complete Y/N**	**Update Feb 2022 - November 2022**
1.	**To create a Sustainable Glasgow Business Charter to promote, raise awareness and enhance the Circular Glasgow movement in Glasgow.**	The Sustainable Glasgow Partnership	End of 2021	Y	The Sustainable Glasgow Business Charter was created in 2021. A relaunch of the Charter is planned for late 2022.
2.	**To develop metrics and indicators to assess circularity in the city.**	GCC – Sustainability Zero Waste Scotland Scottish Cities Alliance ICLEI Carbon Neutral Cities Alliance	End of 2023	N	Work ongoing with Zero Waste Scotland to develop metrics and indicators relevant to Scotland. These will be established primarily on a national scale through close working with the Scottish Cities Alliance by the end of 2023.
3.	**Continue to build on partnerships and alliances across the globe to strengthen progress towards a circular economy.**	GCC - Sustainability Circular Glasgow Zero Waste Scotland Ellen MacArthur Foundation OECD Hubbub	Ongoing	N	In March 2022 a partnership agreement was signed with the Ellen MacArthur Foundation. This partnership will provide resources and support on 3 themes; construction, textiles and education. In September 2022, during the consultation period for the Circular Economy Bill, Glasgow hosted a public engagement session in George Square to raise awareness of the Bill. The installation was in place for five days and

					was manned by the Edinburgh Science Centre and Zero Waste Scotland.
Action Plan Theme: Planning					
4.	**Create a circular construction framework for all construction projects within the city.**	GCC - Sustainability Ellen MacArthur Foundation Relondon (CIRCuIT) GCC - Planning CNCA	End of 2024	N	National Planning Framework 4 provides a suite of recommendations that define circular methods for consideration in construction and in planning controls. These recommendations are expected to be drawn down into the local City Development Plan by the end of 2024 and will impact on the circular construction framework. Working with the Ellen MacArthur Foundation and the Chamber of Commerce, a forum framework will be created for the initial meeting of the forum in 2023. Participants have been identified and contacted, the scoping of the content and desired outcome is ongoing with the forum anticipated to commence in early 2023.
5.	**Investigate opportunities to develop a system for the city-wide recovery and reuse of materials. Including providing storage facilities for reclamation materials for construction purposes within the city limits.**	GCC - Sustainability Ellen MacArthur Foundation ARUP Chamber of Commerce Zero Waste Scotland	End of 2025	N	A working group was set up in September 2022 with Arup, Ellen MacArthur Foundation, Chamber of Commerce, Zero Waste Scotland, and Story Construction to scope out the challenges and opportunities associated with material reuse. This information will be fed into the development of opportunities during 2023/24. Work has been ongoing during the reporting period with groups in the city to create connections to facilitate sharing of resources. ReSet Scenery, the Circular Arts Network and

					Creative Scotland have focused on salvaging, sharing and reusing of materials from films, TV, stage and music events in Glasgow. The next step is to formalise this arrangement during 2023.
6.	**Share updates and learning outcomes from knowledge gained through participation in the EU H2020 CIRCuIT Project.**	GCC - Sustainability ReLondon	End 2023	N	Circular Construction in Regenerative Cities (CIRCuIT) is a collaborative project running from 2019-2023 and involves GCC as one of 31 partners across the built environment chain. Glasgow is currently gathering information from ReLondon around reuse material flows (especially steel), embodied carbon life cycle assessments, circular planning targets, and the outcomes from their urban decisions maker meetings. The final summit will take place in Copenhagen in 2023 when learning from all 36 work packages will be shared across all partners.
7.	**Host 4 forums to support collaboration, knowledge, and best practice across circular economy sectors.**	GCC – Sustainability GCC - Planning Ellen Macarthur Foundation Circular Glasgow/Chamber of Commerce Strathclyde University Glasgow University ReLondon (CIRCuIT)	End of 2024	N	The intention is to run 4 forums to uncover circular solutions and create a network of organisations. A key deliverable for this period is the creation of the **City Construction Forum**. Detailed scoping in collaboration with Ellen MacArthur Foundation and Circular Glasgow is at an advanced stage and the forum will commence in early 2023.

Action Plan Theme: Production					
8.	**Support and develop the remanufacturing sector across the City**	GCC - Sustainability Zero Waste Scotland Scottish Institute of Remanufacturing Circular Communities Scotland	Ongoing	N	This action is ongoing with project funding applications being considered to activate this sector. A recent example has been connecting the steel manufacturer EMR Group with other operators in the construction industry to enhance circular activity linked to demolition materials.
9.	**Initiate 3 pilot projects to support the delivery of the repair and maintenance of products.**	GCC - Sustainability Hubbub Valpak Glasgow Tool Library Refuweegee	By end 2023	N	These projects aim to support development in the SME community, and education sectors. In addition to the award winning Community Calling project delivered by Hubbub, GCC ran a reuse project which aimed to capture electrical products and items at the recycling depots before they were lost to permanent disposal. The items were then tested and repaired and returned to both the Tool Library and Refuweegee to be shared and reused. The project took place in August 2022 and Valpak are evaluating the data, the outcome of which will reveal the challenges and solutions to create permanent arrangements for material/product capture and repair to be integrated at GCC recycling depots.
10.	**Support and develop the reuse and sharing sector.**	GCC - Sustainability Hubbub	Ongoing	N	Hubbub are working with the Glasgow City Health and Social Care Partnership to establish five Community Fridges. The link provides examples of these spaces, which are

		Glasgow Health and Social Care Partnership			run by the community and aim to reduce food waste through sharing of food. They will operate alongside the City Pantries, and together will help combat food waste and tackle food poverty. Delivery is planned for 2023. The Council and Zero Waste Scotland are working together to identify a central municipal storage facility for reuse of domestic household waste items, electronics and textiles. The first step was to run a workshop, held in September 2022, with Spruce carpets, Starter Packs Glasgow, Stranraer furniture project, Second Opportunities, Bike for good, Seamster Vinatge, Merry-go-round Glasgow, Miixer CIC (Dunbar), Enscape and Zero Waste Scotland. This session outlined the next steps in the development of a municipal storage facility, such as locations, collection services, sorting and selecting of products and items. This will be progressed in 2023. The Council and Glasgow City Health and Social Care Partnership are supporting education to tackle the stigma of poverty in primary schools through reuse of clothes and costumes. In August 2022 GCC hosted 3 meetings to understand what activities exist in the city and how best to focus support. It was identified that there are many schools that would benefit from a formalised process around school uniform and costume collection, selection, cleaning, and distribution. This will form the basis of further work in 2023.

					Glasgow ran a sustainable textiles event with Hubbub and ACS during Climate Week in September 2022 called Slow Threads. The event was attended by 400 people over 2 days in the Briggait.
11.	**Support and promote the reduction of the use of disposable packaging, in line with the Extended Producer Responsibility.**	GCC – Sustainability GCC - Waste Management & Recycling	Ongoing	N	Work is planned in early 2023 with the Waste Management & Recycling team to understand how to proceed with the Extended Producer Responsibility legislation which is due to be published in March 2023.
12.	**Consider and investigate the use of vacant and unused GCC estate to provide space for circular innovation and start-ups.**	GCC - Sustainability Glasgow University	By end 2024	N	The £10m GALLANT project run by Glasgow University in partnership with GCC has a large focus on data with particular emphasis on regenerating vacant and derelict land. GALLANT will run from January 2022 to January 2027.
13.	**Create an annual financial support fund for circular economy start-ups.**	GCC – Sustainability GCC – Economic Development	By end of 2024	N	To date, advice has been provided to community and social enterprise partners by GCC. On the 9th November, the Green Business Grant and support service will be launched by GCC to provide further opportunities for SMEs to access funding and advice through partners such as Zero Waste Scotland.
14.	**Provide support and information to grassroots circular projects.**	GCC – Sustainability GCC – Economic Development GCC - PALS City Property	By end of 2024	N	Four major calls for funding bids from Hubbub, Innovate UK, Scottish Enterprise, and also Green Alley have been shared across networks and with the Chamber of Commerce/Circular

					Glasgow to facilitate raised awareness of available grants.
15.	**Work with partners to develop a "Last mile low carbon delivery service" into the city centre**	GCC – Sustainability GCC – Transport Strategy TRL	By end 2022	N	The Sustainability team and TRL (formerly the Transport Research Laboratory) will complete research by the end of 2022 to identify the challenges and opportunities around this type of project. This work is being fed into both Transport Strategy and Transport Scotland within this field of research.
Action Plan Theme: Private Sector					
16.	**Facilitate the development of Closed Loop Circularity within the City**	Circular Glasgow Zero Waste Scotland GCC - Sustainability	Ongoing	N	Work is ongoing to secure funding to establish a virtual exchange business platform across the business community to "match-make" waste streams with material inputs. Topolytics (a winner of the Circular Innovation City Challenge) are currently working with Glasgow and Arup to build evidence around material storage and reuse (Link to Action 5). Capturing this data will allow businesses, social enterprises, co-operatives to source materials and help to create markets and develop industrial connectivity with the city.
17.	**Develop support for city based events to reduce their material and waste streams.** .	Circular Glasgow Zero Waste Scotland GCC – Sustainability Glasgow Life Glasgow Convention Bureau	Ongoing	N	This work is underway in collaboration with the DF Concert group who worked with GCC to create a carbon baseline for the TRNSMT weekend at Glasgow Green. Glasgow Life's procurement group want to achieve the most sustainable and circular approach to the upcoming Cycling World

					Championships that will take place in Glasgow 2023. This will include consideration during 2023 of how Glasgow Life sources material, promotes re-use, sharing as well as post event dissolution. GCC also supported the development of the UCI World Championships' sustainability roadmap that they will use to monitor and measure the impact of this major event in 2023.
18.	**Develop a city-wide scheme to support businesses to choose sustainable, healthy, low carbon and local produce.** .	Circular Glasgow Zero Waste Scotland Glasgow Food Policy Partnership GCC - Sustainability	Ongoing	N	There are two initiatives as the basis to this action. Firstly there is a programme called Waste Warriors being rolled out into 5 schools. This project aims to empower children to monitor, measure and develop interventions around reducing food waste. The second project, developed by Circular Glasgow, challenges restaurants to use as much of their waste as possible to create a new menu item from the scraps. This is called Plate Up for Glasgow. There will be a roundtable in November 2022 in the build up to COP27, to extend the initiative across the city.
19.	**Provide training and reskilling in the guiding principles and building blocks of the circular economy.**	Circular Glasgow Ellen MacArthur Foundation Zero Waste Scotland GCC – Economic Development GCC - Sustainability	Ongoing	N	GCC, together with Circular Glasgow, Chamber of Commerce and Developing the Young Workforce launched the initiative Step up to Net Zero in October 2022. This will support Glasgow businesses in their efforts to reach net zero by funding four-month work placements. The 12-month pilot project will create 40 job placements and provide upskilling and reskilling opportunities both for those not yet in the workplace, as well as those

					already in work and looking for re-skilling opportunities.
20.	**City Doughnut – develop a detailed analysis of Glasgow's social and ecological boundaries in relation to a circular economy.**	Glasgow University Doughnut Economics Action Lab (Oxford University) C40 Cities GCC - Sustainability	June 2023	N	The international climate group C40 Cities and the Council are currently participating in the Thriving Cities Initiative project. This will develop and build upon the City Portrait work led by Glasgow University. Together they will help deliver a City Doughnut profile. The link explains how the process brings together the ambitions of residents and organisations and capacity of the planet. The City Portrait has undertaken three workshops targeting council officers (April 2022) community groups through the Glasgow university outreach Arcadia Festival, (September 2022) and academics involved in GALLANT (August 2022). There will be two further workshops including one dedicated to elected officials (October 2022) and another that will include a wider stakeholder group from business and other influential organisations (mid-January 2023). The City Portrait will be used as a baseline for informing future research priorities through GALLANT. It will also be used to develop the C40 Thriving Cities Initiative engagement process to create a pathway for Glasgow to address circular economy priorities. The final Portrait (due in 2023) will be a policy tool to help inform GCC of the associated local and global impacts of decisions they may make.

Action Plan Theme: Public Sector					
21.	**Ensure that projects emerging in the forthcoming LHEES support and encourage circularity principles.**	GCC – Sustainability CNCA	Ongoing	N	The Finnish consultant One Click LCA has performed a policy gap analysis on GCC strategies and has produced an overarching report to create closer alignment between our relevant policies. The recommendations offer different approaches to design, construction, zoning, promotion of bio-based material and material efficiency. This report has been shared with Property & Consultancy Services for review. Using this report, Carbon Neutral Cities Alliance are funding a life cycle assessment project on recent construction within the council estate to provide a comparison of embodied carbon levels and develop a route map offering alternative methods and materials to lower this in future projects, this started in October 2022.
22.	**Promote awareness of carbon and the concepts of circularity, sustainability and responsible consumption within GCC.**	Ellen MacArthur Foundation Circular Glasgow Zero Waste Scotland GCC - Sustainability	Ongoing	N	Carbon Literacy training has taken place throughout the council family and this is being rolled out to the Sustainable Glasgow partnership. To date, 225 council officers from areas such as Economic Development, the Corporate Management Team and also elected officials have undergone the training. As of October 2022, 40 procurement officers have undergone training courses on both sustainable procurement and circular economy.

					Glasgow's partnership with Ellen MacArthur Foundation has also funded high level training opportunities for two officers from the Sustainability Team to attend a six week Circular Economy Masterclass with Exeter University. This started in October 2022.
23. & 24 (linked)	**Review existing internal sustainable procurement working group and work to undertake a baseline mapping exercise of sustainable procurement activity across the council.**	GCC – Corporate Procurement GCC – Sustainability Ellen MacArthur Foundation Zero Waste Scotland	Ongoing	N	Zero Waste Scotland provided training for GCC staff on public procurement in 2022. Glasgow City Council Corporate Procurement is participating in a peer-to-peer learning project with the Ellen MacArthur Foundation Partner City Network. This project finishes in October 2022 with the publication of a Public Procurement Toolkit available to Partner cities. It will outline the different challenges and solutions and create templates for circular procurement opportunities that can be adopted by local authorities. GCC are using the Scottish Government procurement prioritisation tool to update each commodity to take account of the council's position on the Climate and Ecological Emergency Declaration, the Circular Economy Route Map and associated policies. This will help officers raising contracts to evaluate and determine how best to embed key principles of sustainability and circularity into current procurement requirements. This is due for completion early 2023.

25.	**Support greening of unused vacant and derelict land to create carbon sinks and open up space for community enterprise.**	GCC – Landscape Design (Food Growing, Biodiversity) GCC – Planning GCC - Sustainability	Ongoing	N	In 2022, GCC worked as part of the Urban Transitions Alliance project, with the international sustainability group ICLEI to examine different policy and funding toolkits to activate vacant and derelict land for urban food growing. The outcome produced in August 2022 for each participating city, is a framework of choice for how to support food/crop growing in constrained derelict or contaminated settings. This has been shared across relevant GCC departments.
26.	**Ensure that the principles of the Just Transition are included in any key circular action to enact a positive impact.**	GCC – Chief Executives GCC – Economic Development GCC - Sustainability	Ongoing	N	The Scottish Just Transition Commission has met 4 times in 2022. On a city level the announcement of the £30bn Greenprint for Investment will have an impact on the circular economy in Glasgow and will have a Just Transition embedded at its core. The Glasgow Just Transition Commission held its inaugural meeting in October 22. This cross party group will work to develop recommendations to Glasgow City Council to support the delivery of a just transition.
27.	**Develop and support more circular practices in the Healthcare sector.**	GCC – Corporate Procurement GCC – Sustainability NHS GG&C	End of 2024	N	Many Covid-19 restrictions are still in place in hospital and healthcare settings. Discussions with Zero Waste Scotland are ongoing about areas that can safely be considered for circular economy activities. The impact to influence re-use, sharing, repair and sustainable sourcing could be considerable within this sector. The revision of the prioritisation tool for procurement commodities will be complete in early 2023.

28.	**Support the vision of a Social Economy and encourage a culture where the city council plays a combined part as employer, commercial partner, investor and enabler within the city economy.**	GCC - Sustainability	End of 2023	N	This vision has been discussed across many groups, with a compelling case building to depict Glasgow as a circular city in 2045 showcasing the types of sustainable services and businesses and how this can be achieved. This links into action 30 and the development of a communications strategy within 2023. Story telling is an important aspect of the circular economy transition, that allows concepts to be embedded. This project planned for delivery in 2023, will include the creation of key case studies to demonstrate best practice in community investment and expansion of the principles of Community Wealth Building for a more social, circular, inclusive, and innovative economy.
29.	**Support proactive citywide circular action, through the creation of an online circular platform.**	Strathclyde University GCC – Sustainability	August 2024	N	Scoping with Strathclyde University has recently begun to develop a circular online platform, due to be complete by the end of 2023. This output will act as an online material sharing hub (this would align with Action 16).
30.	**Develop a Circular Economy Communications Strategy to raise awareness of the circular economy, and to influence behaviour change and consumer choice.**	GCC – Chief Executives GCC - Sustainability	Ongoing	N	Information and news about circular economy projects, funding and initiatives are regularly promoted on the council's social media networks and in the internal newsletters. The creation of a communications strategy will be undertaken within 2023.

31.	**Support the Arts and culture challenge to create artwork to demonstrate the city response to COP26.**	Circular Arts Network Creative Scotland GCC – Sustainability Glasgow School of Art	Ongoing	N	GCC support the Circular Arts Network by sitting on the advisory panel (which meets quarterly) to help guide policy and direction. This network aims to preserve excess materials and artwork for reuse in other projects. This aligns with the potential in Glasgow for preserving the materials generated by the film, tv, stage and music sectors.