

JUNE 2021

Climate**Ready**Clyde

Glasgow City Region Climate Adaptation Strategy and Action Plan

Strategy and Action Plan submissions



Deep Demonstration

Resilient Regions
GLASGOW CITY REGION
Clyde Rebuilt



Citizens Advice Scotland

Resources and Accountability												
Proposed Action	Description	Intervention	Area of activity	Budget (£) / Resource committed	Responsible Person	Due date	Proposed / Adopted	Partners involved	Spatial level	Support needed	Are you happy for the action to be included on the regional map/listed on CRC website?	Is the action already included in a current or emerging plan or will it be?
Insert a high level description of your action	Insert a long description of the action	Intervention	[Link to area of activity under the intervention in the draft strategy e.g. 1.5, 7.1 etc]	Yes/No (if possible state in detail)	Who is responsible and accountable for the delivery of this action	When will the action be delivered?	N.B. If proposed, please state what needs to happen before can be adopted	Are other partners involved? If so, who?	Does the action cover the region, or a specific local authority areas within it (if so, where?)	What support would you need from the CRC secretariat in order to be able to implement your actions effectively? E.g. 1-1s, access to data and information, coordination with other stakeholders, policy reforms etc	Yes/No	
CAS research examining the role of BGI in creating positive living environments. The research aims to develop an understanding of how local authorities and housing associations are engaging communities as part of meeting the challenges of developing blue-green infrastructure in order to create positive living environments, using case study examples. CAS is also undertaking a You Gov survey to better understand the public perceptions of terminology in this area and levels of interest/understanding.	Provide CRC with our insight report with recommendations.				Emma Ash	Summer 2021	Proposed - Waiting on final technical report from our researchers	David Faichney at the Scottish Government	Some of the case studies involved in our research are Glasgow based.	We would be interested in any awareness raising around the report that you could support CAS with. We would also be interested in the opportunity to present the research to relevant stakeholders.	Yes	
Proposed CAS research for 2021/22 likely to seek to better understand consumers' response to 'place making' and how this can be expressed in accessible language. This will include ways of describing BGI and consumers' appetite for measures that support flood mitigation, which may also improve where people live and work. May also look at awareness raising among consumers of the impact of their choices on alleviating flooding through measures they can adopt in their own gardens (rain gardens, water butts, permeable driveways etc).	We will produce a report and recommendations.				Emma Ash	late spring 2022	Proposed. Still in draft form, needs to go through CAS workplan approval process.		Scottish wide research	We would be interested in any awareness raising around the report that you could support CAS with.	Yes	

East Dunbartonshire Council

Resources and Accountability												
Proposed Action	Description	Intervention	Area of activity	Budget (€) / Resource committed	Responsible Person	Due date	Proposed / Adopted	Partners involved	Spatial level	Support needed	Are you happy for the action to be included on the regional map/listed on CRC website?	Is the action already included in a current or emerging plan or will it be?
Insert a high level description of your action	Insert a long description of the action	Intervention	(Link to area of activity under the intervention in the draft strategy e.g. 1.5, 7.1 etc)	Yes/No (if possible state in detail)	Who is responsible and accountable for the delivery of this action	When will the action be delivered?	N.B. If proposed, please state what needs to happen before it can be adopted	Are other partners involved? If so, who?	Does the action cover the region, or a specific local authority areas within it (if so, where?)	What support would you need from the CRC secretariat in order to be able to implement your actions effectively? (E.g. 1-15, access to data and information, coordination with other stakeholders, policy reforms etc)	Yes/No	
EDC Climate Action Plan - Adaptation strand within the wider Action Plan	The Council is developing a Climate Action Plan (CAP) to encompass climate change mitigation (corporate and area-wide) and adaptation. In terms of adaptation, the CAP will look at developing and implementing the new policy framework set out within the Proposed Local Development Plan 2 (Policy 9 - Climate Change, Sustainability and Energy Infrastructure). The Climate Action Plan will set out a vision for a climate-resilient area and identify drivers, goals/objectives and specific measures which will support adaptation objectives along with project delivery arrangements and responsibilities. It will also align with the Glasgow City Region Adaptation Strategy and cross-boundary issues and partnership projects will be considered. The Climate Action Plan will articulate the principles in the approved GCR Adaptation Strategy and provide a more detailed expression of how resilience to the effects of climate change can be improved in East Dunbartonshire.	1. Reform and reshape governance mechanisms so they respond to adaptation needs, nurture new leadership and create expectations in society	1.1, 1.2, 1.3, 2.1, 8.1, 8.4, 8.8, 9.2, 9.4 and 9.5.	Discussions on budget allocation are currently under way. There is high confidence that budget will be allocated. Resources from key Council teams will be available to progress the Climate Action Plan.	Nail Urquhart (Sustainability Policy - Team Leader) Heather Holland (Executive Officer - Land Planning and Development)	Initial proposed timescales Options Report: February 2022 Climate Action Plan: October 2022	The CAP is at the inception stage. Project Initiation Documents can be shared to outline the timeline of CAP development.	As the Plan is at inception stage, no formal agreement has yet been reached on the key partners. However, we will work closely with CRC, SSN, ZWS and various local groups on the production of the Plan.	East Dunbartonshire Council specifically.	Specific support from the secretariat through participation in our early engagement 'Climate Conversation' (March-April 2021), access to data, relevant stakeholders and assist with policy reform in the development of the initial Options Report and then the Draft Climate Action Plan.	Yes	The CAP is an emerging document. It will be subject to a full and rigorous SEA process which will run in parallel with the development of the Action Plan.
LDP2 Policy development in relation to the tightening of Climate Change adaptation policy framework	As part of the Proposed Local Development Plan, the Council has developed a new Policy for Climate Change, Sustainability and Energy Infrastructure (Policy 9). The LDP 2 development strategy, as set out in Policy 1, is underpinned by a commitment to contributing to national climate change targets and objectives and to promoting sustainability in the wider sense. This commitment sits at the heart of the local development plan process and will inform decisions on all development proposals. New development proposals will therefore be expected to demonstrate how climate change mitigation, climate change adaptation and wider sustainability have been considered as part of the design process. All new developments must be designed in such a way that they are resilient to the predicted effects of climate change. Applicants must set out the steps that have been taken to address climate change adaptation, including all of the following: B. How passive heating and cooling systems have been incorporated C. How the green network within and adjacent to the proposed development has been strengthened to reduce flood risk, provide urban cooling and promote habitat connectivity D. For residential developments, designing homes to be resilient to surface water and fluvial flooding E. Where a flood risk assessment is required, the predicted increase in flood risk is in accordance with the climate change allowances set out in the SEPA guidance document 'Climate change allowances for flood risk assessment in land use planning' (2019).	8. Ensure our homes, offices, buildings and infrastructure are climate resilient	8.4, 8.8, 9.4,	By including climate change adaptation within the development plan policy requirements the Council is committing Development Management, Sustainability Policy and Land Planning Policy resources to implementing the new policy framework.	Alison Laurence (Land Planning Policy - Team Leader) Heather Holland (Executive Officer - Land Planning and Development)	The new Proposed Plan is already a material consideration for all new planning applications and the Plan will be fully adopted after the Examination process which is scheduled for early 2022.	The new Proposed Plan is already a material consideration for all new planning applications and the Plan will be fully adopted after the Examination process in early 2022.		East Dunbartonshire Council specifically.	Support from the secretariat in the form of access to data, relevant stakeholders and assist with policy reform.	Yes	It is included within the emerging Local Development Plan 2 (proposed Plan) and has been through the full and rigorous SEA process and Habitats Regulations Appraisal.
LDP2 Policy development in relation to the Water Environment and Flood Risk (Policy 18)	Introduction of a new policy requirement that proposals for new development should aim to minimise surface water runoff and achieve as close to greenfield run-off rates as possible. There is a preference for green rather than grey infrastructure solutions and management of surface water as close to source as possible. Solutions to reduce surface water run-off, including porous surfaces, raingardens, rainwater butts, green walls and roofs, and planting of street trees are explained in further detail in the Green Infrastructure & Green Network Supplementary Guidance.	8. Ensure our homes, offices, buildings and infrastructure are climate resilient	8.4, 8.8, 9.4,	By including this new policy requirement regarding greenfield run off within the development plan, the Council is committing Development Management, Sustainability Policy and Land Planning Policy resources to implementing the new policy framework.	Alison Laurence (Land Planning Policy - Team Leader) Heather Holland (Executive Officer - Land Planning and Development)	The new Proposed Plan is already a material consideration for all new planning applications and the Plan will be fully adopted after the Examination process which is scheduled for early 2022.	The new Proposed Plan is already a material consideration for all new planning applications and the Plan will be fully adopted after the Examination process in early 2022.		East Dunbartonshire Council specifically.	Support from the secretariat in the form of access to data, relevant stakeholders and assist with policy reform.	Yes	It is included within the emerging Local Development Plan 2 (proposed Plan) and has been through the full and rigorous SEA process and Habitats Regulations Appraisal.

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East Dunbartonshire Council continued

Resources and Accountability												Are you happy for the action to be included on the regional map/listed on CRC website?	Is the action already included in a current or emerging plan or will it be?
Proposed Action	Description	Intervention	Area of activity	Budget (£) / Resource committed	Responsible Person	Due date	Proposed / Adopted	Partners involved	Spatial level	Support needed			
Flood Risk Management (Scotland) Act 2009 - Clyde and Loch Lomond Local Flood Risk Management - Actions for all Local Authorities (Planning Cycle 2)	The Council is in discussions with Scottish Government & SEPA after the publication of the National Flood Risk Assessment to look at all sources of flood risk in our area and determine the next actions required to minimise flood risk in the next Planning Cycle 2 actions (2022 - 2028).	7: Enhance early warning and preparedness for floods and heatwaves	Links to interventions 2, 4, 7, 8 and 9.	This is currently being discussed by SG. The Council will be informed in the near future.		FRM Planning Cycle 2 2022 - 2028		Working closely with member authorities at part of the Clyde & Loch Lomond partnerships set up under the Flood Act 2009. Also working with other stakeholders i.e. SG, Scottish Water and SEPA	East Dunbartonshire Council specifically.		If required	Contained within the Flood Risk Management Plan	
Glazert River Restoration Project	The Council is currently working with SEPA to deliver multiple River Restoration benefits to 3 reaches in the River Glazert in Lennoxtown. These improvements and measures include Water quality, Biodiversity / Habitat, minimise Flood risk and amenity improvements. Future proofing for Climate change. More about the project can be found via this link, https://www.eastdunbarton.gov.uk/river-glazert-restoration-project	7: Enhance early warning and preparedness for floods and heatwaves	Links to interventions 2, 4, 7, 8 and 9.	SEPA and EDC jointly funded WEF (Water Environmental Fund)		Actions and Timescales for delivering this project is 2020 to 2022.		Working closely with SEPA.	East Dunbartonshire Council specifically.		If required	Included in EDC Green Network Strategy, which was subject to a full and rigorous SEA process throughout its development and adoption.	
Climate Ready Park - Bishopbriggs	The Council is currently working with Nature Scot to deliver multiple benefits to enhance open space and create open SUDs and amenity areas. These improvements will include Biodiversity / Habitat creation, minimise Flood risk and amenity improvements including a food growing site. More info via the link below: https://www.eastdunbarton.gov.uk/proposals-climate-ready-parks-woodhill-and-etive-parks	4: Enable and equip communities to participate in adaptation	Links to interventions 2, 4, 7, 8 and 9.	EDC and GIF (Green Infrastructure Fund)		Actions and Timescales for delivering this project is 2020 to 2022.		Working closely with Nature Scot and local community in Bishopbriggs.	East Dunbartonshire Council specifically.		Yes	Not currently but will be included in updated Open Space Strategy 2. Food growing element in forthcoming Food Growing Strategy also.	
Peatland Restoration	Peatland restoration work, financially supported by SNH, has been carried out at Lenzie Moss and Low Moss, Bishopbriggs. Further opportunities for peatland restoration will be assessed through the preparation of the East Dunbartonshire Local Biodiversity Action Plan and East Dunbartonshire Climate Action Plan.	9: Deliver nature based solutions for resilient, blue-green landscapes and neighbourhoods	9.4	Potential for Peatland Action Funding		Scope for Peatland restoration work will initially be assessed through the Climate Action Plan options appraisal process during 2021	The CAP is at the inception stage. Project Initiation Documents can be shared to outline the timeline of CAP development.	Not at this stage.	East Dunbartonshire Council specifically.		Yes	Pending further appraisal, it will be included in the Climate Action Plan and Local Biodiversity Action Plan	
River Kelvin Tributaries - River Restoration	The Council is currently working with SEPA to deliver multiple River Restoration benefits to 3 tributaries to the River Kelvin (Allander Water, Milngavie/Bearsden, Luggie Water, Kirkintilloch; Park Burn, Kirkintilloch/Lenzie. Feasibility stages are completed and now moving onto design stages (concept and detailed). Expect the delivery of the project to deliver measures to improve Water quality, river morphology, Biodiversity / Habitat, amenity and access and also reduce flood risk and provide future proofing for Climate change.	4: Enable and equip communities to participate in adaptation	Links to interventions 2, 4, 7, 8 and 9.	SEPA and EDC jointly funded WEF (Water Environmental Fund)		Design stages expected to be completed 2022 with delivery thereafter.	In design stage	SEPA	East Dunbartonshire Council specifically.		Not sure	No, not as a single project.	

[illegible]

Glasgow City Council – Development Plan & Open Space Strategy

Resources and Accountability												
Proposed Action	Description	Intervention	Area of activity	Budget (£) / Resource committed	Responsible Person	Due date	Proposed / Adopted	Partners involved	Spatial level	Support needed	Are you happy for the action to be included on the regional map/listed on CRC website?	Is the action already included in a current or emerging plan or will it be?
Insert a high level description of your action	Insert a long description of the action		Link to area of activity under the intervention in the draft strategy e.g 1.5, 7.1 etc	Yes/No (if possible state in detail)	Who is responsible and accountable for the delivery of this action	When will the action be delivered?	N.B. If proposed, please state what needs to happen before can be adopted	Are other partners involved? If so, who?	Does the action cover the region, or a specific local authority areas within it (if so, where?)	What support would you need from the CRC secretariat in order to be able to implement your actions effectively? E.g. 1-1s, access to data and information, coordination with other stakeholders, policy reforms etc	Yes/No	
Impact Assessment and Data mapping & Management	Key data set (Core & Nice to have) identification for monitoring and impact assessment identified under following headings: Social cohesion, health & wellbeing, environment, economy, Biodiversity. Data identification and mapping started as part of H2020 Connecting Nature. Transferable and useable by NERC Gallant bid from Glasgow University. Creation of GIS based dashboards and interactive mapping; storymaps that provide for evidence based decision making, monitoring and reporting on the impact of actions. Links into Scot Gov Transforming Planning and digital Planning Scotland programmes	5. Embed reflection, monitoring, evaluation and learning in adaptation action		5.1	H2020 Connecting Nature resource until May 2022. Collaboration with other organisations	Gillian Dick / Kimberley Hosie (GCC)	First stage May 2022, but ongoing as data sources identified	h2020 Connecting Nature, GCC, Glasgow University (NERC) Data holders (LA's, Scot Gov, Key agencies, 3rd sector, communities)	Glasgow initially - but once the data is mapped red line boundary for Glasgow can be removed and data should be replicatable across city region, Scotland and EU	Access to data; policy reform and raising profile to ensure resources (people) are not lost. Peer to peer and skill building	Yes	GCC Development Plan and Open space Strategy, Glasgow Climate emergency implementation plan
Glasgow City development Plan Delivery Plan	Alignment of the City Development Plan with the Climate Emergency Implementation Plan. Embedding Climate Adaptation priorities for the city and support delivery of transformational action. Linked with the Open Space Strategy it's a key asset management decision making tool, especially when utilising the spatial data identified through impact assessment and monitoring	9. Deliver nature based solutions for resilient, blue-green landscapes and neighbourhoods		9.5	Minimal Dev plan budget annually of approx. £50k plus staff resources	Andy Dale / Gillian Dick / Kevin McCormack	Work has started on next iteration of plan. NPF4 due from Scot Gov Summer 2021	Adopted 2017, work started on next version	Scot Gov, Key Agencies, 3rd sector, communities; Academics, neighbouring authorities	Access to data; policy reform and raising profile to ensure resources (people) are not lost. Peer to peer and skill building	yes	GCC Corporate plan
The Glasgow Open Space Strategy	Utilising the spatial data developed through the impact assessment creating an interactive delivery Plan to support implementation of Nature Based Solution and ensure that the actions are climate adaptable and socially just.	9. Deliver nature based solutions for resilient, blue-green landscapes and neighbourhoods		9.6	Minimal OSS budget annually of approx. £50k plus staff resources. Plus until May 2022 H2020 funding for three staff	Andy Dale / Gillian Dick / Kevin McCormack	OSS adopted March 2020, 1st draft interactive delivery plan due May 2022	Adopted	Scot Gov, Key Agencies, 3rd sector, communities; Academics, neighbouring authorities	Access to data; policy reform and raising profile to ensure resources (people) are not lost. Peer to peer and skill building	yes	GCC Corporate plan

Glasgow City Council – DRS Housing and Regeneration Services

Resources and Accountability												
Proposed Action	Description	Intervention	Area of activity	Budget (£) / Resource committed	Responsible Person	Due date	Proposed / Adopted	Partners involved	Spatial level	Support needed	Are you happy for the action to be included on the regional map/listed on CRC website?	Is the action already included in a current or emerging plan or will it be?
Insert a high level description of your action	Insert a long description of the action	Intervention	Link to area of activity under the intervention in the draft strategy e.g. 1.5.7.3 etc	Yes/No (if possible state in detail)	Who is responsible and accountable for the delivery of this action	When will the action be delivered?	N.B. If proposed, please state what needs to happen before it can be adopted	Are other partners involved? If so, who?	Does the action cover the region, or a specific local authority areas within it (if so, where?)	What support would you need from the CRC secretariat in order to be able to implement your actions effectively? E.g. 1-14, access to data and information, coordination with other stakeholders, policy reforms etc	Yes/No	
Glasgow's new Transport Strategy to proactively address and support the role of the Clyde Corridor in the city's transport system.	Ensure the Council's new Glasgow Transport Strategy proactively addresses and supports the role of the Clyde Corridor in the city's transport system for everyday journeys as well as leisure purposes".	6. Adapt the Clyde Corridor for the 22nd Century	This cuts across a number of actions below but is particularly relevant to actions 6 & 9.	Yes	GCC-LTS	During the next 5 years?	proposed- GTS is currently being developed and case for change report has been produced	SPT, TS,SUSTRANS,	Glasgow City/ links to RTS		YES	It will be included in the Local Transport Strategy
Restoring our peatlands within the city boundary and work with others in the city region	restore peatland within 7 Lochs, managing more of our green spaces as wetlands/SUDS or as grasslands.	9. Deliver nature based solutions for resilient, blue-green landscapes and neighbourhoods	9.5 - Delivery of large-scale blue and green infrastructure projects to demonstrate benefits to communities - either through new green infrastructure or removal of urban form	Not Known	GCC-NS	?						
Adaptation Capability Framework	Work with others in the city and city region to identify how adaptation supports delivery of individual organisation's strategic objectives and regional vision. Use this to communicate why adaptation matters and stimulate transformative collective action.	2. Develop the ability of organisations, businesses and communities to adapt	2.1 - An enhanced programme to increase awareness of the potential impacts of climate change on organisations and communities and opportunities to adapt	Not known	GCC-NS/DRS	2021/22						
Affordable Warmth Programme	This programme provides grants to owners and private landlords in or at risk of fuel poverty to carry out energy efficiency measures (mainly External Wall Insulation [EWI])	8. Ensure our homes, offices, buildings and infrastructure are climate resilient	This programme is linked to Glasgow's Housing Strategy (GHS). A new GHS will be prepared over the next 12-18 months and will look at options for setting up a formal housing partnership	£4.5m pa	Housing and Regeneration Strategy Team	ongoing		Owners, Private Landlords, RSLs, Scottish Government, Home Energy Scotland, Energy Advice Service & Energy Efficiency installers	GCC	Would need to discuss with CRC	Yes	Glasgow Housing Strategy 2017-2022 (GHS)/ Affordable Warmth Strategy 2017-2022. A new GHS will be prepared over the next 12-18 months and will look at options for setting up a formal housing partnership. Sustainability, CC and adaptation will feature. We also have an interim project which will look at digital communications and ways of engaging customer/consumer groups to promote CC behaviours. This will all attempt to link with COP26.
Affordable Housing Supply Programme	This programme which has averaged £100m per annum in recent years enables RSLs in the city to provide new build housing for social, mid market rent and ownership. New build must meet energy efficiency/heat decarbonisation specifications set out in the Glasgow Standard and City Development Plan, increasing proportion of new build has met Passivhaus standards	8. Ensure our homes, offices, buildings and infrastructure are climate resilient	This programme is linked to Glasgow's Housing Strategy (GHS). A new GHS will be prepared over the next 12-18 months and will look at options for setting up a formal housing partnership	circa £100m pa in recent years	Housing and Regeneration Housing Investment Team	ongoing		RSLs & Scottish Government	GCC	Would need to discuss with CRC	Yes	Strategic Housing Investment Plan 2021 - 2026/GHS
COVID Recovery Retrofit Programme	A retrofit energy efficiency, heat decarbonisation and energy management programme across the Glasgow City Region (GCR). The aim is to upsize the current retrofit programmes and widen the measures undertaken. Part of GCR's economic recovery plan. Feasibility study to be commissioned	8. Ensure our homes, offices, buildings and infrastructure are climate resilient	This programme is linked to Glasgow's Housing Strategy (GHS)	not known		ongoing			GCR		once approved	GCR Economic Recovery Plan
Local Heat and Energy Efficiency Strategy (LHEES)	A strategy setting out priorities and objectives for the city's buildings to contribute to climate change targets	8. Ensure our homes, offices, buildings and infrastructure are climate resilient		n/a	Housing and Regeneration Strategy Team & NS	2021 draft for consultation	Proposed - Council will need to approve LHEES	Owners, Private Landlords, RSLs, Public Sector partners, industry, academia, Scottish Government, funding providers	GCC	Would need to discuss with CRC	Once approved	an emerging plan with connection to GHS
Vacant and Derelict Land Fund (VDLF)	Scottish Government fund administered by the Council to bring long term vacant/derelict land back into economic or other use	8. Ensure our homes, offices, buildings and infrastructure are climate resilient										
Pre-1919 Tenements Action Plan	A draft plan to maintain and make pre 1919 stock energy efficient	8. Ensure our homes, offices, buildings and infrastructure are climate resilient		not known	Housing and Regeneration Private Sector Team	2021 onwards	Proposed - Plan being considered by Council in March 21	Owners, Private Landlords, RSLs and Scottish Government	GCC	Would need to discuss with CRC	Once approved	GHS/Strategic Housing Investment Plan 2021-2026

Glasgow City Council – Flood Risk Management Team

Resources and Accountability												
Proposed Action	Description	Intervention	Area of activity	Budget (£) / Resource committed	Responsible Person	Due date	Proposed / Adopted	Partners involved	Spatial level	Support needed	Are you happy for the action to be included on the regional map/listed on CRC website?	Is the action already included in a current or emerging plan or will it be?
Insert a high level description of your action	Insert a long description of the action	Intervention	(Link to area of activity under the intervention in the draft strategy e.g 1.5, 7.1 etc)	Yes/No (if possible state in detail)	Who is responsible and accountable for the delivery of this action	When will the action be delivered?	N.B. If proposed, please state what needs to happen before can be adopted	Are other partners involved? If so, who?	Does the action cover the region, or a specific local authority areas within it (if so, where?)	What support would you need from the CRC secretariat in order to be able to implement your actions effectively? E.g. 1-1s, access to data and information, coordination with other stakeholders, policy reforms etc	Yes/No	
Participate in national consultation on Cycle 2 Flood Risk Management Strategy (FRMS) and Local Flood Risk Management Plan (LFRMP) for the Clyde and Loch Lomond (CaLL) Local Plan District (LPD).	Consultation (ends 22 September 2021) on Potentially Vulnerable Areas and Actions for Cycle 2 of the Flood Risk Management (Scotland) Act 2009.	2. Develop the ability of organisations, businesses and communities to adapt	2.1 – An enhanced programme to increase awareness of the potential impacts of climate change on organisations and communities and opportunities to adapt	Yes - delivered as part of local authority statutory duty / revenue funding.	David Hay for for GCC - as Lead Local Authority for the CaLL LPD.	22-Sep-21	Adopted	Responsible Authorities for the Clyde and Loch Lomond Local Plan District - Local Authorities, SEPA, Scottish Water, etc...	LFRMP actions cover region but GCC Actions within LFRMP are specific to GCC local authority, but some will be delivered at a regional level - ie outwith GCC boundary.	None.	Yes	Yes - committed as part of the FRM Act.
Publish Cycle 2 LFRMP for CaLL LPD.	Publish final Cycle 2 LFRMP for the CaLL LPD.	2. Develop the ability of organisations, businesses and communities to adapt	2.1 – An enhanced programme to increase awareness of the potential impacts of climate change on organisations and communities and opportunities to adapt	Yes - delivered as part of local authority statutory duty / revenue funding.	David Hay for for GCC - as Lead Local Authority for the CaLL LPD.	30-Jun-22	Adopted	Responsible Authorities for the Clyde and Loch Lomond Local Plan District - Local Authorities, SEPA, Scottish Water, etc...	LFRMP actions cover region but GCC Actions within LFRMP are specific to GCC local authority, but some will be delivered at a regional level - ie outwith GCC boundary.	None.	Yes	Yes - committed as part of the FRM Act.
Undertake community consultation as part of delivery of Actions (projects) identified in CaLL LFRMP Cycle 1 & 2.	Undertake community consultation as part of delivery of Actions (projects) identified in LFRMP.	2. Develop the ability of organisations, businesses and communities to adapt	2.1 – An enhanced programme to increase awareness of the potential impacts of climate change on organisations and communities and opportunities to adapt	Yes - delivered as part of local authority statutory duty / revenue funding.	David Hay	Various dates through to end of 2025 (and beyond)	Proposed - Actions to be delivered will be subject to funding and revision following FRMS / LFRMP consultation and final sign-off of LFRMP by GCC Committee and CaLL LPD Joint Committee.	Responsible Authorities for the Clyde and Loch Lomond Local Plan District - Local Authorities, SEPA, Scottish Water, etc...	GCC Actions are specific to GCC local authority, but some will be delivered at a regional level - ie outwith GCC boundary.	Confirmation of funding	Yes	Will be included as part of the CaLL LFRMP.
Ongoing engagement with Edinburgh & the Lothians Strategic Drainage Partnership.	Ongoing engagement with Edinburgh & the Lothians Strategic Drainage Partnership.	5. Embed reflection, monitoring, evaluation and learning in adaptation action	5.4 - Learning and knowledge exchange with other cities and regions.	Yes - delivered as part of local authority statutory duty / revenue funding.	James Murray	Ongoing	Adopted	MGSDP and E&LSDP	Central belt	None.	Yes	No
CREW review of the MGSDP.	CREW led review of the MGSDP to develop lessons / learning for dissemination with wider industry in Scotland.	5. Embed reflection, monitoring, evaluation and learning in adaptation action	5.4 - Learning and knowledge exchange with other cities and regions.	Yes - funding provided by Scottish Government.	James Murray	01-Jul-21	Adopted	MGSDP and stakeholder group	Glasgow City Region	None.	Yes	No
Develop a Framework for development management along the tidal river corridor	Develop a framework to manage development along the tidal river corridor to manage flood risk and ensure no net loss of floodplain storage.	6. Adapt the Clyde Corridor for the 22nd Century	6.1 - Work through Mission Clyde to govern climate risks for the entire river corridor	tbc	David Hay	Ongoing	Proposed and will progress subject to funding	SEPA, Mission Clyde, other local authorities	Tidal extent of River Clyde	Funding	Yes	No
Work with others to develop an iterative adaptation pathway for the tidal reach of the River Clyde	GCC will work with other stakeholders to develop an iterative adaptation pathway for the tidal reach of the River Clyde.	6. Adapt the Clyde Corridor for the 22nd Century	6.2 - An iterative adaption pathway for the Clyde developed	No	George Gillespie - Executive Director NRS	tbc	Proposed	SEPA, Mission Clyde, other local authorities, Scottish Water, Nature Scotland, Historic Environment Scotland, etc	Tidal extent of River Clyde	Coordination with other stakeholders	Yes	No
No current action planned by GCC FRM Team		6. Adapt the Clyde Corridor for the 22nd Century	6.3 - The climate resilience of the river corridor reflected as a national priority									
No current action planned by GCC FRM Team	GCC has proposed to SEPA that they take forward an FRM Act Cycle 2 action to provide the surface water flood warning system developed for the 2014 Commonwealth Games.	7. Enhance early warning and preparedness for floods and heatwaves	7.1 - Extension of the flood warning scheme in the Glasgow City Region									
No current action planned by GCC FRM Team		7. Enhance early warning and preparedness for floods and heatwaves	7.3 - A regional property flood resilience and resistance installation programme									
No current action planned by GCC FRM Team		8. Ensure our homes, offices, buildings and infrastructure are climate resilient	8.3 - Adaptation of existing infrastructure at risk, with policies and regulation to require all new investment to be climate resilient									
Engage with development of GCC City Development Plan	Ongoing engagement with GCC City Development Plan team to strengthen adaptation requirements in the planning system.	8. Ensure our homes, offices, buildings and infrastructure are climate resilient	8.4 - Strengthening of adaptation requirements in the planning system	Yes - delivered as part of local authority statutory duty / revenue funding.	David Hay	Ongoing	Adopted		GCC boundary	None.	Yes	No - part of statutory function

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Glasgow City Council – Flood Risk Management Team continued

Resources and Accountability												
Proposed Action	Description	Intervention	Area of activity	Budget (£) / Resource committed	Responsible Person	Due date	Proposed / Adopted	Partners involved	Spatial level	Support needed	Are you happy for the action to be included on the regional map / listed on CRC website?	Is the action already included in a current or emerging plan or will it be?
Engage with Scottish Government	Ongoing engagement with Scottish Government regarding the delivery of water resilient places, NPf4 and Scottish Planning Policy.	8. Ensure our homes, offices, buildings and infrastructure are climate resilient	8.4 - Strengthening of adaptation requirements in the planning system	Yes - delivered as part of local authority statutory duty / revenue funding.	James Murray	Ongoing	Adopted	Scottish Government	GCC boundary	None.	Yes	No - part of statutory function
No current action planned by GCC FRM Team		8. Ensure our homes, offices, buildings and infrastructure are climate resilient	8.5 - Creation of a regional retrofit framework for climate resilience									
Develop MGSDP Strategy to 2060	Develop MGSDP Strategy to 2060 to define the interventions that should be delivered to end uncontrolled flooding.	8. Ensure our homes, offices, buildings and infrastructure are climate resilient	8.8 - Evaluation of future adaptation infrastructure needs	tbc	George Gillespie - Executive Director NRS	Ongoing	Proposed	MGSDP	GCC boundary	None.	Yes	No - part of statutory function
Delivery of GCC Avenues project.	Delivery of GCC Avenues project.	9. Deliver nature based solutions for resilient, blue-green landscapes and neighbourhoods	9.5 - Delivery of large-scale blue and green infrastructure projects to demonstrate benefits to communities - either through new green infrastructure or removal of urban form.	£115M	George Gillespie - Executive Director NRS	Various dates through to end of 2025 (and beyond)	Proposed - individual Avenues to be progressed on basis of business case approval by Glasgow City Region City Deal Chief Executives.	SUSTRANS Nature Scotland Multiple stakeholder groups	Glasgow City Centre	None.	Yes	Included as City Deal project.

Historic Environment Scotland

				Resources and Accountability								
Proposed Action	Description	Intervention	Area of activity	Budget (£) / Resource committed	Responsible Person	Due date	Proposed / Adopted	Partners involved	Spatial level	Support needed	Are you happy for the action to be included on the regional map/listed on CRC website?	Is the action already included in a current or emerging plan or will it be?
Insert a high level description of your action	Insert a long description of the action	Intervention	(link to area of activity under the intervention in the draft strategy e.g 1.5, 7.1 etc)	Yes/No (if possible state in detail)	Who is responsible and accountable for the delivery of this action	When will the action be delivered?	N.B. If proposed, please state what needs to happen before can be adopted	Are other partners involved? If so, who?	Does the action cover the region, or a specific local authority areas within it (if so, where?)	What support would you need from the CRC secretariat in order to be able to implement your actions effectively? E.g. 1-1s, access to data and information, coordination with other stakeholders, policy reforms etc	Yes/No	
Key Agencies Group (KAG) Placemaking Group - HES contribution	HES, as part of the KAG placemaking subgroup, will continue to explore ways to support Glasgow City Council as part of the Green Recovery Offer	1. Reform and reshape governance mechanisms so they respond to adaptation needs, nurture new leadership and create expectations in society		to be confirmed	tbc	tbc		KAG members	GCR area (specifics tbc)	tbc	Yes once confirmed	Part of ongoing KAG work/priorities and HES's engagement with the group
HES Grants	HES offer grants and funding to support projects that promote and protect our historic environment. Currently committed within the GCR are below. Future projects may be supported subject to meeting eligibility criteria.		Subject to individual projects	see below case by case scenario	Subject to individual projects	Subject to individual projects		Subject to individual projects	Subject to individual projects	Subject to individual projects	Subject to individual projects	ongoing - part of HES Grant and Funding Scheme
HERG (Historic Environment Repair Grant) - Citizen Theatre	Repair works to prevent water ingress to one of Scotland's oldest surviving theatre interiors.	8. Ensure our homes, offices, buildings and infrastructure are climate resilient	8.3 Adaptation of existing infrastructure at risk (clarity needed on how much of project involves specific adaptation measures)	yes	tbc	Jan-22		Citizens Theatre Trust;	Glasgow Central	tbc	yes	Part of HES Grant and Funding Scheme
HERG (Historic Environment Repair Grant) - Provan Hall	Part of wider Seven Lochs Wetland Park project. The Provan Hall buildings repaired to be the 'gateway' centre, giving better access to the extensive natural and cultural heritage on offer.	8. Ensure our homes, offices, buildings and infrastructure are climate resilient	8.3 Adaptation of existing infrastructure at risk (clarity needed on how much of project involves specific adaptation measures)	yes	tbc	tbc - project underway		Glasgow City Council; National Trust Scotland; HLF		tbc	yes	Part of HES Grant and Funding Scheme
HERG (Historic Environment Repair Grant) - David Livingstone Centre	Comprehensive scheme of repair and enhancement of the buildings, which will continue its current use as the David Livingstone Birthplace Museum.	8. Ensure our homes, offices, buildings and infrastructure are climate resilient	8.3 Adaptation of existing infrastructure at risk (clarity needed on how much of project involves specific adaptation measures)	yes	tbc	2022 (Due to Covid delays)		Heritage Lottery, Scottish Government, AHF	City of Glasgow	tbc	yes	Part of HES Grant and Funding Scheme
Monitoring of Impacts on the HES Estate	Enhance monitoring of climate change in	8. Ensure our homes, offices, buildings and infrastructure are climate resilient	8.3 Adaptation of existing infrastructure at risk (clarity needed on how much of project involves specific adaptation measures)	yes	tbc	ongoing	Adopted	Historic Environment Scotland	Region	tbc	Yes	HES Climate Action Plan 2020-2025
HES CCRA	Continue to develop existing HES Climate	8. Ensure our homes, offices, buildings and infrastructure are climate resilient	8.3 Adaptation of existing infrastructure at risk	Yes	tbc	ongoing	Adopted	HES, Dynamic Coast; SEPA; BGS	Region	tbc	Yes	HES Climate Action Plan 2020-2026
HES CCRA	Mainstream climate change risk assessments	8. Ensure our homes, offices, buildings and infrastructure are climate resilient	8.3 Adaptation of existing infrastructure	Yes	tbc	ongoing	Adopted	HES, tbc	Region	tbc	Yes	HES Climate Action Plan 2020-2027
Climate Vulnerability Index (CVI) of World	Undertake CVI at Antonine Wall WHS and	8. Ensure our homes, offices, buildings and infrastructure are climate resilient	8.6 Creation of a framework for adapting	Yes	tbc	2022	Adopted	HES; local authorities; New Lanark	South Lanarkshire; North Lanarkshire; West Dunbartonshire; Glas	Yes	Yes	No but public commitment has been made.

Inverclyde Council

Resources and Accountability												
Proposed Action	Description	Intervention	Area of activity	Budget (£) / Resource committed	Responsible Person	Due date	Proposed / Adopted	Partners involved	Spatial level	Support needed	Are you happy for the action to be included on the regional map/listed on CRC website?	Is the action already included in a current or emerging plan or will it be?
Insert a high level description of your action	Insert a long description of the action	Intervention	Link to area of activity under the intervention in the draft strategy e.g. 1.5, 7.1 etc)	Yes/No (if possible state in detail)	Who is responsible and accountable for the delivery of this action	When will the action be delivered?	N.B. If proposed, please state what needs to happen before can be adopted	Are other partners involved? If so, who?	Does the action cover the region, or a specific local authority areas within it (if so, where?)	What support would you need from the CRC secretariat in order to be able to implement your actions effectively? E.g. 1-1s, access to data and information, coordination with other stakeholders, policy reforms etc	Yes/No	
Include adaptation policy within new Local Development Plan	The Council is preparing a new Local Development Plan, which is currently scheduled for adoption in Spring 2022, with the next stage in the process being publication of the Proposed plan in May 2021. The current Plan does not make significant reference to adaptation. The Main Issues Report (published December 2020) asked how adaptation content could be strengthened in the new Plan.			The main cost is the cost of the Planning Policy team, plus the cost of the LDP examination	Planning & Building Standards Manager	Proposed Plan in May 2021, with adoption scheduled for April 2022.	The preparation process has commenced already.	The process involves the participation of a large number of stakeholders, but is owned by the Council.	Inverclyde local authority area.	Participation in LDP consultation process.	Yes	No
Strengthen adaptation content in new Climate Change Plan	The Council will be preparing a new Climate Change Plan for the period from 2022. The current Plan refers to adaptation, but has a mitigation focus. Adaptation should feature more strongly in the new Plan.				Planning & Building Standards Manager	Dec-22	The new Plan will be informed by the Net-Zero Strategy (to be produced) and the final Glasgow City Region Climate Adaptation Strategy.	N/a	Inverclyde Council area	Access to data and information	No	
Strengthen adaptation content in next Corporate Plan and Outcome Improvement Plan	The Council's current Corporate Plan and Outcome Improvement Plan run until 2022. New plans will be prepared for the period beyond 2022, giving an opportunity for adaptation to feature more strongly in these Plans				Corporate Policy Manager	2022		Community planning partners	Inverclyde Council area	Access to data and information	No	

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Inverclyde Council continued

Resources and Accountability												
Proposed Action	Description	Intervention	Area of activity	Budget (£) / Resource committed	Responsible Person	Due date	Proposed / Adopted	Partners involved	Spatial level	Support needed	Are you happy for the action to be included on the regional map/listed on CRC website?	Is the action already included in a current or emerging plan or will it be?
Net-Zero Strategy	The Council is preparing a Net-Zero strategy and action plan. Whilst this will focus on mitigation, adaptation will also feature as projects will need to be climate ready and offset projects may have adaptation benefits.			£100k for strategy preparation. The strategy will identify implementation costs.	Planning & Building Standards Manager	Strategy is to be prepared by October 2021. Implementation will be over a 20+ year timescale.	Proposed. Strategy has to be prepared and approved by Council	None	Inverclyde Council area	Access to data during the strategy preparation and implementation process	Yes	No
Open Space Strategy	The Council is to prepare an Open Space Strategy for Inverclyde. The adaptation benefits and implications of sites and projects will be considered as part of the process.				Planning & Building Standards Manager	By 2024	The Council is waiting for Scottish Government guidance before commencing the Open Space Strategy.		Inverclyde authority area	Access to data may be required		
Incorporate Adaptation into work of Climate Change Group.	Adaptation to be a core aspect of the Climate Change Group.	2. Develop the ability of organisations, businesses and communities to adapt		2.2 No	Planning and Building Standards Manager	Nov-22	Re-establishment and reinvigoration of Climate Change Group	No	No	Occasional attendance at Climate Change Group	Yes	No
Identification of climate impacts on Inverclyde Council operations and assets	Establish guidance and process to consider climate impacts on Inverclyde Council operations and assets.	2. Develop the ability		2.1 No	Planning and Building Standards Manager	Nov-22		No	No	Peer support from other organisations in CRC.	Yes	Climate Change Plan 2018
Recording of adaptation projects.	Establish process of recording, monitoring and periodic evaluation of projects and initiatives that are related to adaptation.	5. Embed reflection.		5.1 No	Planning and Building Standards Manager	Nov-22		No	No	Peer support from other organisations in CRC.	Yes	Climate Change Plan 2018

The Improvement Service

[illegible]

Keep Scotland Beautiful

				Resources and Accountability									
Proposed Action	Description	Intervention	Area of activity	Budget (£) / Resource committed	Responsible Person	Due date	Proposed / Adopted	Partners involved	Spatial level	Support needed	Are you happy for the action to be included on the regional map/listed on CRC website?	Is the action already included in a current or emerging plan or will it be?	
Insert a high level description of your action	Insert a long description of the action	Intervention	Link to area of activity under the intervention in the draft strategy e.g 5.5, 7.1 etc)	Yes/No (if possible state in detail)	Who is responsible and accountable for the delivery of this action	When will the action be delivered?	N/A. If proposed, please state what needs to happen before it can be adopted	Are other partners involved? If so, who?	Does the action cover the region, or a specific local authority areas within it (if so, where?)	What support would you need from the CRC secretariat in order to be able to implement your actions effectively? E.g. 1-15, access to data and information, coordination with other stakeholders, policy reforms etc	Yes/No		
Provide climate emergency training and support to business, public sector, schools and community leaders and organisations.	When KSB run climate emergency training in the Glasgow city region we will liaise with Climate Ready Clyde to ensure that the adaptation element of the training includes references to Climate Ready Clyde and features the latest Climate Ready Clyde and Adaptation Scotland Scotland communication resources and activities.	2. Develop the ability of organisations, businesses and communities to adapt		in kind support through staff time	Aoife Hutton	ongoing	Adopted	A wide range of businesses, public sector bodies, schools and communities.	Region	Providing content and updates for the training on an ad hoc basis	Yes	Yes, the action links to existing KSB activities	
Sharing opportunities for community involvement in Climate Ready Clyde with community groups involved in KSB programmes.	KSB has a strong programme of projects that engage directly with communities in the Glasgow City Region. We will use our extensive networks to promote opportunities for communities to engage with the climate ready clyde initiative. This includes communities who are involved with our "It's your neighbourhood" programme.	2. Develop the ability of organisations, businesses and communities to adapt		in kind support through staff time	Juliette Camburn	ongoing	Adopted	Local communities, Royal Horticultural Society	Region	CRC secretariat to maintain regular communication with KSB and provide information about opportunities for communities to engage (e.g. content for KSB's regular newsletters for community groups).	Yes	Yes, the action links to existing KSB activities	
				9									
<p>Provide climate emergency training and support to business, public sector and community leaders and organisations.</p> <p>Provide specialist support to the tourism and hospitality industry through our Green Key programme.</p> <p>Provide environmental auditing, monitoring and reporting to achieve improvement through bespoke audits and progression to the National Award for Environmental Excellence.</p> <p>Intervention 4: enable and equip communities to participate in adaptation</p> <p>Schools and youth work / training on climate change</p> <p>Sharing opportunities for community involvement in Climate Ready Clyde with community groups involved in KSB programmes.</p> <p>Intervention 9: deliver nature-based solutions for resilient, blue-green landscapes and neighbourhoods</p> <p>Support our "It's Your Neighbourhood" community groups to adopt nature-based approaches to local community improvement.</p>													

North Lanarkshire Council

Resources and Accountability												
Proposed Action	Description	Intervention	Area of activity	Budget (£) / Resource committed	Responsible Person	Due date	Proposed / Adopted	Partners involved	Spatial level	Support needed	Are you happy for the action to be included on the regional map/listed on CRC website?	Is the action already included in a current or emerging plan or will it be?
Insert a high level description of your action	Insert a long description of the action	Intervention	[Link to area of activity under the intervention in the draft strategy e.g. 1.5, 7.1 etc]	Yes/No (if possible state in detail)	Who is responsible and accountable for the delivery of this action	When will the action be delivered?	N.B. If proposed, please state what needs to happen before can be adopted	Are other partners involved? If so, who?	Does the action cover the region, or a specific local authority areas within it (if so, where?)	What support would you need from the CRC secretariat in order to be able to implement your actions effectively? E.g. 1-1s, access to data and information, coordination with other stakeholders, policy reforms etc	Yes/No	
Pilot Low Carbon Heating Approach	19 new-build properties utilising Air Source Heat Pumps combined to PV Panels and Battery Storage		8.1, 8.8, 11.2		Housing Development Manager, New Supply	mid 2022	Pilot agreed with new Supply Board. Full adoption of approach by Board required post pilot.		North Lanarkshire Council	Access to other examples of Low - Zero Carbon approaches, data, Lessons Learned specification guidance, Best Practice Advice and Funding Routes.	Yes	
EV Charging	Provision of EV charging points to new-build properties and with new-build residential parking courts		1.1, 8.1, 8.8		Housing Development Manager, New Supply	Feb 2021 and on-going	Adopted	transport Scotland (funding initial developments)	North Lanarkshire Council	Access to other examples of EV approaches, data, Lessons Learned specification guidance, Best Practice Advice and Funding Routes.	Yes	
Larger PV arrays	Up to 4kW PV arrays to be provided to every property. Hope to provide battery backup in future when costs allow (with U-Values protected to prevent reduction in thermal efficiency)		8.1, 8.8		Housing Development Manager, New Supply	Current	Adopted		North Lanarkshire Council	Access to other examples of PV approaches, data, Lessons Learned specification guidance, Best Practice Advice and Funding Routes.	Yes	
Flood / Drainage	Currently following Scotiah Water and SEPA advice on all projects.		9.1, 9.4, 9.5, 9.6		Housing Development Manager, New Supply		Proposals beyond current requirements not yet developed		North Lanarkshire Council	Access to examples of Blue-Green approaches, data, Lessons Learned specification guidance, Best Practice Advice and Funding Routes.		
Dumbreck Marsh river Restoration	A river realignment project to provide natural flood management			£2.5 million mainly SEPA funding	TBC	Oct-21	Adopted	SEPA	North Lanarkshire Council: Cumbernauld SHMA	TBC	Yes	



Resilience and Accountability												
Proposed Action	Description	Intervention	Area of activity	Budget (if resource committed) (if not, if possible, explain details)	Responsible Person (if this action)	Due date (when will the action be delivered?)	Proposed / Adopted (which can be adopted)	Partners involved (if available, please provide list of who?)	Statutory level (if applicable, please provide list of who?)	Second level (if applicable, please provide list of who?)	Are you happy for the action to be included on the resilience map? (if not, why not?)	Is the action already included in a current or emerging plan or will it be?
Climate change adaptation & flood risk surveys at occupied sites	As part of our GDS funding from OFGEM we will be carrying out climate change adaptation surveys at our Occupied sites. To identify risk and where adaptation measures may be necessary. Some of these sites in the GCR region including Glasgow depot (described separately below), Paisley depot and Prison Glasgow.	2. Develop the ability of organisations, businesses and communities to adapt	Highly likely a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z	£250,000 (across Scotland & Southern England)		Complete by March 2026						
Resilient construction on flood risk/river crossing areas where possible	After some recent operational issues from severe flooding and river erosion in Scotland we will be proactively looking to assess climate risk of our planned works in more detail. With internal training on the CRC climate risk tool we can look to build this requirement into major projects, major replacement works and new property construction.	8. Ensure our homes, offices, buildings and infrastructure are climate resilient		No cost/ not defined		Ongoing						
Embed CCA measures into new Glasgow office (Glasgow Street)	We are renting a new large office in Glasgow mid 2021... as this is a long lease there will be some opportunities to improve the building, including solar panels and maybe carbon adaptation measures. Over the site lease we hope to improve the site to make it more energy efficient and climate resilient over its lifetime.	8. Ensure our homes, offices, buildings and infrastructure are climate resilient		£80		Mid 2021						
Supply chain engagement	Engaging top 80% of suppliers to spend via the Supply Chain Sustainability school including learning pathways which can be tailored to include training on climate change adaptation and resilience.	8. Embed reflection, monitoring, evaluation and learning in adaptation action		£11,000 a year partner membership to SCSS		Complete by March 2026						
New SGN head office (not in GCR region)	SGN are currently at planning stages of a new head office in Surrey. We are looking to make this office BREEAM Very Good and are interested in improving the environmental performance of the site through various measures. This may include green spaces, biodiversity, renewable energy, EV charging points, as well as considering climate resilient measures. We can also look to use the climate risk tool as part of the design stage.	8. Ensure our homes, offices, buildings and infrastructure are climate resilient		£1 million +		2022						
Use Landmark Climate mapping to look at flood risk on our sites	As part of our GDS funding from OFGEM we will be getting Landmark climate mapping software which will allow us to better understand the flood risk across our sites. To inform the development of adaptation/resilience plans or measures at those sites.	7. Enhance early warning and preparedness for floods and heatwaves		£237,000 (across Scotland & Southern England)		Complete by March 2026						

South Lanarkshire Council

Resources and Accountability												
Proposed Action	Description	Intervention	Area of activity	Budget (£) / Resource committed	Responsible Person	Due date	Proposed / Adopted	Partners involved	Spatial level	Support needed	Are you happy for the action to be included on the regional map/listed on CRC website?	Is the action already included in a current or emerging plan or will it be?
Insert a high level description of your action	Insert a long description of the action	Intervention	[Link to area of activity under the intervention in the draft strategy e.g 1.5, 7.1 etc)	Yes/No (if possible state in detail)	Who is responsible and accountable for the delivery of this action	When will the action be delivered?	N.B. If proposed, please state what needs to happen before can be adopted	Are other partners involved? If so, who?	Does the action cover the region, or a specific local authority areas within it (if so, where?)	What support would you need from the CRC secretariat in order to be able to implement your actions effectively? E.g. 1-1s, access to data and information, coordination with other stakeholders, policy reforms etc	Yes/No	
Support the delivery the Clyde and Loch Lomond (CaLL) Local Flood Risk Management Plan (LFRMP) under the Flood Risk Management (Scotland) Act 2009	Implementation of flood risk management actions agreed for South Lanarkshire within the CaLL LFRMP, which includes includes a flood study of the River Clyde corridor, between Falls of Clyde and the Glasgow Tidal Weir. This involves producing a new hydraulic river model and associated flood maps that would identify the current flood risk to communities along the Clyde corridor, as well as modelling the impacts of various climate change scenarios and the level of protection provided by existing flood defences	6. Adapt the Clyde Corridor for the 22nd Century		6.3 This project will be funded from Council revenue budgets, as well as external funding from SEPA. T	SLC	Flood Study to be completed by September 2021	Adopted	SEPA	South Lanarkshire - between Falls of Clyde and the Glasgow Tidal Weir	None	Yes	Yes
Integrate climate mitigation and adaptation in South Lanarkshire's Open Space Strategy	Develop and implement South Lanarkshire's Open Space Strategy applying a place-based ecosystems-services approach to help contribute to climate adaptation and the promotion of new and enhanced green and blue infrastructure. Ecosystem management and restoration can provide both responses to climate change challenges, like flooding and overheating, and sustain ecosystem functions in the long term, bringing multiple benefits at a comparatively lower cost	9. Deliver nature based solutions for resilient, blue-green landscapes and neighbourhoods		9.1 From existing corporate budgets and staff time	SLC	Approved Open space Strategy by October 2022	Adopted	Glasgow and Clyde Valley Green Network Partnership	South Lanarkshire	None	Yes	Yes
Climate mitigation and adaptation will be further integrated in South Lanarkshire's spatial planning	The Council in its role as planning authority will further integrate climate adaptation in South Lanarkshire's Local Development Plan (LDP). The policies in LPD3 will be developed to contribute to ensure new development is designed to withstand more extreme weather, including prolonged wet or dry periods; working with natural environmental processes, for example, through the development and promotion of strategic and local green infrastructure to support local biodiversity (such as green corridors) and the encouragement of localised nature-based solutions; using sustainable drainage systems (SuDS) to reduce flood risk; and promoting landscaping and natural shading that cool spaces in built areas during hotter periods	8. Ensure our homes, offices, buildings and infrastructure are climate resilient		8.4 From existing corporate budgets and staff time	SLC	2022-2027	Adopted	Various stakeholders will be involved in the engagement and consultation process	South Lanarkshire	None	Yes	Yes
Implementation of South Lanarkshire's Biodiversity Strategy	Action in the biodiversity strategy will help to build ecological resilience in South Lanarkshire enabling biodiversity to react and adapt to a changing climate and reduce the impacts of climate change on communities. Actions includes: Phase 2 of langlands moss lowland bog restoration; Grassland management with the creation of wildflower meadows and orchards; Tree canopy mapping tool for South Lanarkshire	9. Deliver nature based solutions for resilient, blue-green landscapes and neighbourhoods		9.1 A mix of existing budgets and external funding	South Lanarkshire Biodiversity Partnership	2021-2022	Adopted	SL Biodiversity Partnership, Friends of Langlands Moss, Green Action Trust, Buglife and Butterfly Conservation	South Lanarkshire	None	Yes	Yes
Research and Innovation - university student projects	South Lanarkshire Council will work in partnership with Strathclyde University to (1) determine the resilience of steep-sided woodlands and to assess slope stability risks; and (2) assess the spatial relationship between flood risk, air quality, heat maps, heat island effects, open spaces, greenspaces and tree canopy in the urban parts of South Lanarkshire to determine cumulative risks and identify priority areas for climate adaptation and mitigation measures	10. Establish Glasgow City Region as a global research and knowledge hub for adaptation		10.2 From existing corporate budgets and staff time	SLC/Strathclyde University	2021-2022	Adopted	Strathclyde University	Urban areas in South Lanarkshire	None	Yes	No
Further integrate climate mitigation and adaptation in procurement processes	Implement the use of the Scottish Government sustainability tools to help embed relevant and proportionate climate mitigation and adaptation requirements in the development of contracts and evaluate impact on Council procurement strategy	11. Begin the transition to a climate resilient economy		11.3 From existing corporate budgets and staff time	SLC	2020+2023 (Timeframe of the current Procurement Strategy)	Proposed		South Lanarkshire Council	None	Yes	Yes
Enhance food-system resilience from the impacts of climate change	Through the Council's good food strategy, develop and monitoring actions with regard to improving food resilience. Moreover, strengthen the food partnership approach to increase resilience in case of crisis (e.g. emergency food assistance and aid).	11. Begin the transition to a climate resilient economy		11.3 From existing corporate budgets and staff time	SLC	2020-2025 (Timeframe of the Good Food Strategy)	Proposed	South Lanarkshire Food Partnerships	South Lanarkshire	None	Yes	Yes
Integrate climate adaptation and resilience into Council decision-making processes	1. Review the Council's risk register to fully incorporate the climate risks identified in the city region's risk and opportunity assessment 2. Integrate climate adaptation and resilience priorities in the development of the next Council Plan and Community Plan	1. Reform and reshape governance mechanisms so they respond to adaptation needs, nurture new leadership and create expectations in society		1.3 From existing corporate budgets and staff time	SLC	2021-2022	Proposed	Community Planning Partnership	South Lanarkshire	None	Yes	Yes

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South Lanarkshire Council continued

Resources and Accountability												
Proposed Action	Description	Intervention	Area of activity	Budget (£) / Resource committed	Responsible Person	Due date	Proposed / Adopted	Partners involved	Spatial level	Support needed	Are you happy for the action to be included on the regional map/listed on CRC website?	Is the action already included in a current or emerging plan or will it be?
Raise awareness, communicate and showcase climate mitigation and adaptation across South Lanarkshire and help people to engage	1. Develop a communications plan as part of the next sustainable development and climate change strategy which includes action on raising awareness on climate mitigation and adaptation. 2. Provide briefing and training to Elected Members and other key decisionmakers on the council's vulnerability to climate change and the opportunities it presents, including the contribution action can make to other council priorities (economic growth, employment, cost avoidance, protecting vulnerable communities). 3. Through partnership, neighbourhood and locality working, raise awareness of the impacts of climate change and ways to increase service and community resilience to these.	2. Develop the ability of organisations, businesses and communities to adapt		2.1 From existing corporate budgets and staff time	SLC	2022-2027 (Timeframe of Sustainable Development and Climate Change Strategy)	Proposed	Community Planning Partnership, South Lanarkshire Neighbourhoods	South Lanarkshire	Possible case studies and staff development to work with local neighbourhoods	Yes	Yes
Development and implementation of the Council's next sustainable development and climate change strategy 2022-2027	During 2021 the Council will be developing its next sustainable development and climate change strategy to cover the period 2022-2027. The strategy will be approved by committee before March 2022 and implementation of the strategy will commence from April 2022 onwards. The strategy will set out the long-term goals for climate adaptation and resilience for the Council and area wide. It will align with the City Region's Adaptation Strategy and key Council plans, policies and strategies that will be the delivery mechanism for climate adaptation action, for example the Local Development Plan 2, Biodiversity Strategy, and Open Space Strategy. The sustainable development and climate change strategy will look to tackle climate justice across South Lanarkshire and align with the Council equality outcomes	1. Reform and reshape governance mechanisms so they respond to adaptation needs, nurture new leadership and create expectations in society		1.3 From existing corporate budgets and staff time	SLC	2021 - 2027	Approved		South Lanarkshire	None	Yes	Yes
Further enhance the energy efficiency and climate resilience of the Council's building stock	The Council carried out a Strategic Energy Review in 2015/16 which provided advice relative to the various strategies which should be implemented to meet our last aspirations for an energy efficient and climate resilient property estate. Recommendations from this review have been implemented over the last 4 years. The Councils have recently appointed a consultant to update and add to this review which will provide advice across a broad range of requirements and goals the council has set to meet our Climate Change Obligations. The output of this work will be incorporated in the Council's new sustainable development and climate change strategy	8. Ensure our homes, offices, buildings and infrastructure are climate resilient		8.1 CEEF Programme, Capital Programme, New Build/Housing, Schools Modernisation Programme.	SLC	2021-2022	Approved	Changeworks	South Lanarkshire	It would be useful to understand what information can be shared between organisations and partners.	Yes	Yes

University of Glasgow

Resources and Accountability												
Proposed Action	Description	Intervention	Area of activity	Budget (£) / Resource committed	Responsible Person	Due date	Proposed / Adopted	Partners involved	Spatial level	Support needed	Are you happy for the action to be included on the regional map / listed on CRC website?	Is the action already included in a current or emerging plan or will it be?
Insert a high level description of your action	Insert a long description of the action	Intervention	(Link to area of activity under the intervention in the draft strategy e.g. 1.5, 7.1 etc)	Yes/No (if possible state in detail)	Who is responsible and accountable for the delivery of this action	When will the action be delivered?	N.B. If proposed, please state what needs to happen before can be adopted	Are other partners involved? If so, who?	Does the action cover the region, or a specific local authority areas within it (if so, where?)	What support would you need from the CRC secretariat in order to be able to implement your actions effectively? E.g. 1-1s, access to data and information, coordination with other stakeholders, policy reforms etc	Yes/No	
Western Infirmary Redevelopment - SUDS	Western infirmary redevelopment drainage infrastructure (rain water attenuation tanks and rain gardens) designed and delivered to mitigate the risk of pluvial flooding.		8, 9	Yes	David Hall	July'21	n/a	no	just the University estate	n/a	yes	already included in existing adaptation plan
Water fountain provision	Plumbed-in water fountains to be provided in every building.		8	Yes	Barry Morton	July'22	n/a	no	just the University estate	n/a	yes	already included in existing adaptation plan
Building Energy Management System (BEMS) optimisation	Optimisation of BEMS system to ensure that internal temperatures are maintained within an acceptable range.		8	Yes	Barry Morton	July'22	n/a	no	just the University estate	n/a	yes	already included in existing adaptation plan
Pond creation - Garscube Estate	Investigate the potential to create new pond areas on the Garscube estate.		9	Yes	Barry Morton	July'23	n/a	no	just the University estate	n/a	yes	already included in existing adaptation plan
Woodland creation	Investigate the potential for new planting and woodland expansion on the Garscube and Cocho estates.		9	Yes	Barry Morton	July '23	n/a	yes, Green Action Trust	just the University estate	n/a	yes	newly proposed action
Clyde Climate Forest	Actively participate in the Clyde Climate Forest Initiative (tree planting scheme in the City Region) that will deliver both mitigation and adaptation benefits.		9	Yes	Stewart Miller	Dec'21	n/a	yes, Glasgow Clyde Valley Green Network	regional	n/a	yes	newly proposed action
Improving Climate and Carbon Literacy	Inclusion of climate resilience/adaptation learning in the carbon/climate literacy upskilling course that we are developing at the Centre for Sustainable Solutions.		4, 10	Yes	Stewart Miller	May'21	n/a	no	regional	support in development of online teaching material related to adaptation	yes	newly proposed action

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Resources and Accountability												
Proposed Action	Description	Intervention	Area of activity	Budget (£) / Resource committed	Responsible Person	Due date	Proposed / Adopted	Partners involved	Spatial level	Support needed	Are you happy for the action to be included on the regional map/listed on CRC website?	Is the action already included in a current or emerging plan or will it be?
Insert a high level description of your action	Insert a long description of the action	Intervention	(Link to area of activity under the intervention in the draft strategy e.g 1.5, 7.1 etc)	Yes/No (if possible state in detail)	Who is responsible and accountable for the delivery of this action	When will the action be delivered?	N.B. If proposed, please state what needs to happen before can be adopted	Are other partners involved? If so, who?	Does the action cover the region, or a specific local authority areas within it (if so, where?)	What support would you need from the CRC secretariat in order to be able to implement your actions effectively? E.g. 1-1s, access to data and information, coordination with other stakeholders, policy reforms etc	Yes/No	
With support from Climate Ready Clyde (CRC) and wider Glasgow City region (GCR), deliver flagship actions as highlighted in the GCR Adaptation Strategy, where feasible and relevant.	<ul style="list-style-type: none"> Much of the adaptation actions require cross-sector and authority partnerships to deliver. The CRC board will decide and help deliver on these actions, ensuring a partnership approach across the GCR. This is a long term approach running up to 2045 and beyond. The Adaptation Capability Framework and Climate Change Risk Assessment methodology for West-Dunbartonshire will help to further develop our approach with the support of CRC and GCR. With support from CRC GCR, will develop adaptation engagement tools to support community capacity building, including workshops and collaboration with community organisations. Mainstreaming of adaptation into Governance practices and other key council plans and strategies. This will include using the CCAG to inspire action and also feedback Adaptation actions and progress to a higher governance board, attended by leaders from each service area of the Council. 	All Interventions	ALL	No	Roads and Transportation; Planning; Regeneration Energy & Compliance; Greenspace; GIS; Organisation Wide	2021-2026 (Long-term target of 2045).	Proposed - Costs need to be clarified and ownership within the organisation. Guidance required from CRC on what to do and who to approach.	<ul style="list-style-type: none"> Climate Ready Clyde; Adaptation Scotland; Local Authorities across the Glasgow City Region. 	Local Authority Area - West Dunbartonshire Council	Advice, peer review and engagement via meetings, workshops and presentations. If CRC already has a working methodology and/or has access to SEPA and Met Office data on flooding, heatwaves, UKCP19, etc. Then that would be great.	Yes	Plan to include it in our new Climate Change Action Plan by the end of the year. TBC.
The Council undertake an internal Climate Risk and Vulnerability Assessment to both shape the implementation of high level actions defined in this CCAP and inform the development of further climate action (i.e. the next CCAP).	<ul style="list-style-type: none"> With data from CRC, Adaptation Scotland, SEPA and the Met Office - the Council will use this data to develop a geographical approach to high risk-areas in West Dunbartonshire, using GIS, supported by Climate Change and weather data. This assessment will build upon and align with the Glasgow City Region Adaptation Strategy & Action Plan. CRC and Adaptation Scotland plan to provide additional support and tools to Public Bodies. 	7: Enhance early warning and preparedness for floods and heatwaves - and potential all Interventions	ALL	No	Roads & Transportation; Finance; Regeneration; Planning; Energy & Compliance; Asset Management; GIS; Greenspace; Organisation Wide	2022-2026 (Long-term target of 2045).	Proposed	<ul style="list-style-type: none"> Climate Ready Clyde; Adaptation Scotland; SEPA; Met Office; Nature Scotland; Historic Environment 	Local Authority Area - West Dunbartonshire Council	Advice, peer review and engagement via meetings, workshops and presentations. Data and visualisations from all major bodies who provide climate data.	Yes	Plan to include it in our new Climate Change Action Plan by the end of the year. TBC.
Benchmark the Council against Adaptation Scotland's Adaptation Capability Framework to identify current position and areas for improvement.	<ul style="list-style-type: none"> Use the Adaptation Capability Framework assessment progress to identify where the Council is internally and externally against Adaptation. This is also part of the GCR Adaptation Strategy and therefore will help prepare the Council better to deliver on flagship actions as part of this. This exercise links to the Council's overall Climate Risk and Vulnerability Assessment as it will provide a baseline of where the Council is internally in its ability to deliver on Adaptation, including areas of which it needs to improve. 	1. Reform and reshape governance mechanisms so they respond to adaptation needs, nurture new leadership and create expectations in society	1; ALL	No	Energy & Compliance; Greenspace; Planning; Regeneration; Organisation Wide;	2022 - 2023	Proposed	<ul style="list-style-type: none"> Climate Ready Clyde; Adaptation Scotland Sniffer 	Local Authority Area - West Dunbartonshire Council	Advice, peer review and engagement via meetings, workshops and presentations.	Yes	Plan to include it in our new Climate Change Action Plan by the end of the year. TBC.