

Delivery Theme	Action Number in Climate Action Plan (if applicable)	Sub-Goal	Strategic Action	Start Date	Timescale	Milestones/ Supporting actions	Lead Department/Service	Prioritisation 2022 (Priority, H, M, L)	Availability of resources	Progress (RAG)	Progress update for Annual Report
Land use	L11 & L14	Reducing emissions to meet net zero targets.	<b>Review existing planning policy framework</b> and prepare a suite of enhanced policies for inclusion in LDP3. Consider as part of the review any potential policy amendments to help the planning system better support the implementation of carbon reduction measures. Develop advice and guidance if appropriate. Links to NPF4 when published late 2022	In Progress	Medium - by March 2027	1. Review of existing planning policies, powers and identification of enforcement case studies. Identify strength of content and whether there are clashes between policy themes in either messages or through implementation. Include case studies. 2. Explore whether planning agreements could be used to secure biodiversity actions in all new developments. 3. Explore whether compensatory planting and carbon offsetting/ accreditation can be used. 3. Update policies where required. 4. Develop advice note and checklist for applicants to be approved by Council to allow for stronger future enforcement response and a consistent approach to implementation.	Planning and Development	Priority	Still to be identified	R	To be undertaken as part of LDP review (including its SEA) - currently programmed for 2023/24. Note NPF4 to be published Autumn 2022 which will impact on planning policy framework moving forward and will need to be considered as part of any review. Initial discussions have taken place on Conservation Area Appraisals.
Land use	L13	Reducing emissions to meet net zero targets.	<b>Consented development to demonstrate their net zero status and require mitigation</b> where this is not achievable, in line with emerging national policy (NPF4, draft Heat in Buildings Strategy, LHEES).	?	Short - by March 2023	1. Develop advice note and checklist for applicants. 2. Consult on documents. 3. Council Approval. 4. Implementation of advice note via DM process. 5. Incorporation into LDP3.	Planning and Development	M	Still to be identified	R	Policies will be reviewed as part of LDP3 and it's SEA process. Awaiting final NPF4 which will influence policy content.
Land use	N/A - New	Enhance landscape scale sequestration.	<b>Review and revise our Forest and Woodland Strategy (FWS)</b> as part of LDP3 process. Consider how the FWS can support and encourage private landowners to plant "the right tree, in the right place" to help tackle the climate change and biodiversity crises.	?	Medium - by March 2027	1. Review existing FWS in light of JHI study outcomes, national policy and both climate and nature crises. 2. Work with partner agencies and organisations to develop e.g. Forestry and Land Scotland and NFUS 3. Undertake SEA 4. Produce draft strategy and consult/engage 5. Amend and seek Council Approval 6. Support FWS implementation	Planning and Development	M	Still to be identified	R	Forest and Woodland Strategy will be updated as part of LDP3.
Land use	L3	Increase tree and woodland cover.	<b>Develop a Tree Strategy</b> (native trees) for our parks and maintained open spaces: - Review existing policies on trees, consolidate and update to develop a comprehensive Tree Planting Strategy which reflects and upscales our commitment to delivering on the Climate Change and Net Zero agenda. - Investigate planting our 92 parks (38 hectares) with native trees that will capture greater tonnes of carbon dioxide each year. - Investigate increasing the overall coverage of woodland in maintained open space from current level of 22% (220 hectares) that will capture increased tonnes of carbon dioxide each year and reduce emissions of grass mowing machinery. - Redevelop part of the Westbank site to form a	In Progress	Short - by March 2023	1. Review of current policy landscape, including an audit of existing PKC policies and identification of gaps/ required updates. 2. Develop Tree Planting Strategy Update. 3. Explore the creation of 'Climate Parks' to become carbon stores and more resilient to a changing climate. 4. Strategy approved by Council.	Community Greenspace	H	Available	A	No Tree Officer or Senior Greenspace Officer to implement planting policy. New post not in place. Some work done on planting. Westbank have been growing on trees and shrubs, advice sought on demolition for space to grow more.
Land use	L4	Adapting our approach.	<b>Develop a strategy to ensure sub-fleet machinery</b> are net zero compatible and implement replacement programme for net zero compliant machinery.	Autumn 2021	Short - by March 2023	1. Audit of existing assets, including carbon credentials (if available). 2. Identification of procurement checklist to inform any replacement purchases.	Operations	H	Still to be identified	R	Progress ongoing. Continuing to trial battery powered machinery for general grounds maintenance activities. Currently have a number of battery powered equipment in use but do not envisage purchasing any additional pieces as not at a level to support industrial activities.

Land use	L5 & L20	Halting biodiversity loss. Improving our open spaces.	<b>Develop and trial a policy on use of pesticides and chemicals</b> , including a review of Pitch Strategy in respect of the use and potential reduction in chemical usage.	In Progress	Short - by March 2023	1. Review of existing practice and identification of alternatives (including SWOT analysis of alternative solutions). 2. Identify current baseline figure of pesticide use (type and volume). 3. Develop and implement an updated policy on use of pesticides in P&K.	Operations	H	Still to be identified	A	Reduction on street weed control. No money for other methods available through climate change or nature restoration, paper being put together. Pitch Strategy element - no progress.
Land use	L6	Reducing emissions linked to maintenance. Protecting and enhancing habitats and species. Improving our open spaces.	<b>Review existing grounds maintenance policies and prepare a strategy for site upgrades</b> - to reduce emissions and enhance sustainability and biodiversity. Incorporate a review of grassland management policy to reduce wildflower meadows maintenance.	In Progress	Short - by March 2023	1. Review of current policy landscape, including an audit of existing PKC policies and identification of gaps/ required updates. 2. Review grounds maintenance activities and operations undertaken. 3. New standards approved by Council.	Community Greenspace	H	Available	G	Work underway on Tree & Woodland policies & priorities, grass maintenance trials, shrub bed reviews, cemetery maintenance reviews. Progress is dependent on available staff time and priorities and is variable due to the nature of frontline service delivery.  Methods currently being pulled together, contractor availability being investigated and purchase of flails for community use approve by NRF.
Land use	L7 & L19	Adapting our approach. Protecting and enhancing habitats and species. Improving our open spaces.	<b>Phased programme of enhancement to all major Council parks and greenspace</b> – including exploring the use of natural resources in playscapes through the review of the Council's approach to play areas, and investigating ways to enhance biodiversity, increase tree planting, and reduce non-native species during Site Management Plans.	In Progress	Short - by March 2023	1. Review of current sites when upgrades are undertaken. 2. Monitor use of sustainable equipment and products. 3. Environmental Impact Assessment to be undertaken as part of the design process. 4. Review current Play Strategy 5. Seek approval from SMT/ Committee as required. 6. Implement changes	Community Greenspace	H	Available for phased enhancement programme. Still to be identified for Play Strategy review.	A	Enhancement Programme - New trees and wildflowers being incorporated into Auchterarder, Wallace Park and Muirend Park. Play Strategy review - Senior Officer has left PKC, slippage to this post.
Land use	L17	Increase tree and woodland cover. Protecting and enhancing habitats and species.	<b>Nature Restoration Fund - Develop a list of projects and secure funding</b> for delivery via the NRF.	Ongoing	Immediate - by March 2022		Community Greenspace	H	Still to be identified	G	21/22 round completed.  22/23 round underway - applications for Community projects closed on 30/9/22
Land use	L8		<b>Expand Council's Food Growing Strategy into a comprehensive "Good Food Nation" project.</b>	In Progress	Short - by March 2023	1. Council Approval of Food Growing Strategy. 2. Develop a "Good Food Nation" project and implementation plan. 3. Deliver strategy and specific projects in conjunction with partners and communities.	Community Greenspace	H	Available	G	Whilst the Strategy has been developed through the consultation process the desire to expand this into a comprehensive "Good Food Nation" project has been identified. The integration and expansion of the current work across team needs to be developed together with an implementation plan. Full time officer required to manage strategy and support/advise communities as a single point of contact. Potential links to Tayside LBAP Actions re community/school orchards, School Bee/Wild projects (ditto re sheltered housing complexes and care homes). Will be included in Biodiversity Villages, Neighbourhoods & Towns Initiative.
Land use	L2	Involving young people in our climate response.	<b>Work with Education &amp; Children's Service to develop and implement educational programmes for schools, to maximise the potential for carbon sequestration, and biodiversity protection and enhancement across our school estate, and to raise awareness.</b>  For example: expanding the tree planting project at Perth Grammar to more school grounds; encourage communities and schools to enhance climate change mitigation in their local school grounds and greenspaces using Community Investment Fund (PKC funded).	In Progress	Immediate - by March 2022	1. Produce Climate Change Programme for Learning in conjunction with Schools and pupils including creation of a 'How To' sheet covering issues of where to plant, maintenance etc. 2. Approval of Learning Programme. 3. Identify locations to roll out programme in phases? 4. Identification of a 'Climate Champion' in each school? (Staff and pupils)	Education & Children's Services	M	Feasibility/design only	A	Progress temporarily stalled due to staff absences. Longer term review required on the capacity to deliver utilising existing staff resources and the Nature Restoration Fund.

Land use	L1	Enhance landscape scale sequestration.	<b>Work with Perthshire Nature Connections Partnership to identify and develop landscape scale pilot projects with partners.</b>	In Progress	Short - by March 2023	1. Work with JHI to identify the carbon sequestration potential of 3 key areas across Perth and Kinross (peatlands, forestry and trees, and agricultural land). 2. Develop a Pilot Project in Highland Perthshire with partners (Perthshire Nature Connections Partnership) for potential wider roll out. Set targets, identify partners and measures. 3. Explore options to work with partners to create a monitoring strategy for peatland restoration to understand benefits in local context and encourage local landowner participation. 4. Project Delivery	Planning and Development	Priority	Feasibility/design only	A	JHI report delivered. PNCP - Draft Programme Report produced and circulated to wider partnership group for consideration. Current focus on 4 project areas with initial work around establishing key contacts and networks having already started.
Land use	L9	Halting biodiversity loss. Protecting and enhancing habitats and species.	<b>Accelerate delivery of Tayside LBAP</b> - Work across services to maximise opportunities for the Council to achieve actions set out in the Tayside Local Biodiversity Action Plan 2016-26.	In Progress	Short - by March 2023	1. Review Tayside LBAP projects being delivered and any gaps. 2. Review LBAP to identify list of priority actions for delivery and by whom. 3. Identify a series of implementation projects.	Planning and Development	M	Still to be identified	A	Ongoing. Audit of all PKC actions in the LBAP completed to help identify gaps and resource needs.
Land use	L10	Halting biodiversity loss. Protecting and enhancing habitats and species.	<b>Biodiversity Villages, Neighbourhoods and Towns Initiative</b> - Work with local communities and Tayside Biodiversity Partnership to develop Biodiversity Action Plans, supporting both biodiversity and climate change mitigation and adaptation.	In Progress	Short - by March 2023	1. Identify locations for further roll out of the Biodiversity Villages Project and work with those communities to promote benefits and opportunities and support delivery. 2. Review and reflect on success of project to date and identify any opportunities for improvement/ alternative approaches.	Planning and Development	H	Still to be identified	A	No BAPs currently in development. No further progress to date.
Land use	L12	Halting biodiversity loss. Protecting and enhancing habitats and species.	<b>Perth Biodiversity Capital of Scotland Project</b> - explore what role PKC and Tayside Biodiversity Partnership can have in the development and delivery of this Perth Leadership Forum project.	?	Short - by March 2023	1. Establish scope of project, actions, targets and delivery partners. 2. Identify programme for delivery. 3. Council approval. 4. Branding and launch.	TBC	H	Still to be identified	R	Delays in taking the project forward owing to Nature Scot staff restructuring. The project bid to help fund the project is yet to be determined. More updates will be available later in the year.
Land use	L15	Halting biodiversity loss. Protecting and enhancing habitats and species.	<b>Progress Tayside Biodiversity Partnership's Action to enhance business parks and industrial estates</b> - Work in conjunction with local businesses to seek funding and produce Biodiversity Action Plans, supporting biodiversity enhancement, and climate change mitigation and adaption measures, within existing employment areas. Not limited to protection and enhancement of biodiversity, but also encouraging active travel, provision/signposting to energy audits, EV advice.	TBC (2022)	Medium - by March 2027	1. Review of a suite of business parks and industrial estates across P&K, together with mapping (especially utilities/active travel/ biodiversity potential). 2. Proposals for biodiversity enhancement (tree/hedge planting, verge/grassland management for specific species - butterflies, birds, bats). 3. Proposals for energy audits, active travel, etc across chosen sites. 4. Working with businesses to integrate private business-owned land and PKC-owned land practices to create demonstration sites of good practice.	Planning and Development	M	Still to be identified	R	No Progress. Funding required.
Land use	L16		<b>Progress a "What's Going On?" mapping project</b>		Short - by March 2023		Planning and Development	M	Still to be identified	R	Staff time resource currently not available to develop.
Land use	L18	Halting biodiversity loss. Protecting and enhancing habitats and species. Peatland restoration and enhancement.	<b>Identify and protect sensitive areas (including LNCS) from development for biodiversity resilience</b> , providing connectivity and ensuring planting is not counterproductive. <b>Identify which of these sites (especially peatland) would benefit from restoration/enhancement and provide support/ incentive for landowners to do so.</b>	In Progress	Short - by March 2023		Planning and Development	H	Still to be identified	R	Issues with securing resources needed to undertake LNCS survey work - limited progress to date as a result. No progress to date on analysing peatland sites to identify those which require enhancement.
Land use	L21	Improving our open spaces.	<b>Consider opportunities for Park Power as they arise.</b>	In Progress	Medium - by March 2027	Assist with scheme development as they arise.	Community Greenspace	M	Still to be identified	R	Initial overall concept discussions have already been held. Would generally be led by a building development. Resources would be provided by the developer and may yield a revenue income stream for the Council.

Climate Resilience	R1	Resilient organisations	Build organisational capacity around climate adaptation and mainstream it into project development, procurement and delivery processes Continue to work with Tayside Local Resilience Partnership to implement local risk reductions measures and develop contingency plans	Jan-22	Short - by March 2023		Planning and Development	H	Still to be identified	R	The staff Climate Literacy training will cover adaptation and help build awareness and engagement with the Climate Change Risk and Opportunity Assessment should also help raise awareness with staff.
Climate Resilience	R2	Resilient organisations		In Progress	Ongoing		Communities	H	Available	A	PKC have continued to be a key partner of the Tayside Local Resilience Partnership
Climate Resilience	R3	Resilient organisations	Develop the ability of organisations and businesses to prepare for and build resilience to climate change	In Progress	Ongoing	1. Undertake business survey to understand level of preparedness of the P&K business community. 2. Re-establish Community and Business Resilience Group. 3. Support businesses in developing resilience/continuity plans through Perth & Kinross Councils Emergency Planning Service and other channels.	Economic development	H	Feasibility/design only	R	Limited resource availability for progressing in 2022/23. Next year will be merging with similar action in B&I action plan
Climate Resilience	R4	Resilient organisations	Review the Scottish Climate Change Adaptation Programme 3 (2025-29) when published and identify appropriate local actions	2024	Medium - by March 2027	1. Get involved in consultation process for SCCAP3 2. Review SCCAP3 once published. 3. Develop plan of P&K appropriate actions.	Planning and development	N/A	Feasibility/design only	G	Not applicable
Climate Resilience	R5	Resilient organisations	Embed climate resilience as a criteria into Asset Review processes	Apr-22	Short - by March 2023		Communities	H	Available	A	Climate resilience and adaptation has been included in major asset reviews in 2022.
Climate Resilience	R6	Resilient organisations	Undertake a strategic climate change risk and opportunity assessment for Perth and Kinross Council Area	2021/22 Financial Year	Short - by March 2023		Planning and development	Priority	Feasibility/design only	G	Consultant appointed in September 2022, with a completion date on before the end of March 2023.
Climate Resilience	R8	Resilient infrastructure	Develop and implement green solutions for protecting open space and core paths to protect from flooding and erosion	2022	Medium - by March 2027	1. Training programme for PKC staff. 2. Develop list of potential projects. 3. Engage with SEPA and flooding team.	Greenspaces	M	Feasibility/design only	G	Currently being considered by Greenspace. Currently looking at off bank solutions including willow planting. At Buckie Brae have undertaken Coir matting trials.  Capacity and training needs are limited further expansion
Climate Resilience	R9	Resilient infrastructure	Explore the potential for green-blue infrastructure for Perth, working in strategic partnership with Scottish Water	In Progress	Short - by March 2023	1. Develop structure of potential partnership. 2. Undertake concept study.	Planning and Development	M	Still to be identified	R	Some initial meetings held with Scottish Water (with officer capacity limiting further progression). Scottish Govt policy document received and briefing circulated; Barbara Renton to attend the Water Resilient Places summit on 20 September to discuss. Surface water flooding issues are also being raised a SAIFF Surface Water Management Group.
Climate Resilience	R10	Resilient Ecosystems	Develop overarching environmental advice to developers by linking all current objectives, including on green infrastructure	Dec-21	Medium - by March 2027		Planning and Development	L	Available	A	Action delayed to follow after publication of NPF 4 and cycle with LDP3
Climate Resilience	R11	Resilient infrastructure	Develop updated roads development guide to resolve conflicts with adoption criteria for SUDS with roads maintenance requirements as well as providing wider resilience benefits (e.g. shading and biodiversity corridors and protection)	2022	Medium - by March 2027	1 Review what current conflicts are in terms of SUDS features which could be supported if designed appropriately + review roads development guide and define design standards for these features	Planning and Development	Priority	Still to be identified	A	Resources were unavailable for delivery in 2022/23. This action has wider benefits for the Transport Action Plan and for Council operations, maintenance, planning and greenspace teams.
Climate Resilience	R12	Resilient infrastructure	Develop and implement scour bridge protection programme	2022	Medium - by March 2027	Undertake scour risk assessments across P&K bridge stock  Implement scour protection programme	Structures and Flooding	Priority	Available	G	Scour Engineer appointed June 2022. Structures team have received additional £2m funding for high priority bridge maintenance projects which will include some scour mitigation / repair schemes. £2m projected to be spent in 23/24 and 25/25 subject to securing additional staffing.  Bridges at higher risk of scour are currently being further prioritised so they can be grouped into packages of scour assessments to be completed by specialist engineering consultants in the coming medium to long term.
Climate Resilience	R13	Resilient ecosystems	Explore the potential for an integrated catchment management approach for the River Tay catchment to improve the water environment and reduce flood risk	2022	Medium - by March 2027		Planning/PKCT(?)	H	Still to be identified	R	There were no resources to extend this beyond the catchment approach used as part of Flood Risk Management
Climate Resilience	R14	Resilient ecosystems	Continuing contribution and support to the delivery of Nature Rich Leven and other catchment management approaches	In Progress	Ongoing		Planning and Housing	M	Available	G	Feasibility study on Natural Flood Management in the Upper Leven Catchment was undertaken that showed feasible potential. Currently exploring options for developing this project further.

Climate Resilience	R15	Resilient ecosystems	Undertake research review into native tree and flora and fauna species and how they adapt to the changing climate and develop programme of necessary actions		Dec-21	Short - by March 2023		Planning and Development	H		Feasibility/design only	G	Work underway - due to be completed by March 2023
Climate Resilience	R16	Resilient ecosystems	Working with partners to make Perth a biodiversity exemplar and climate resilient city	On-going		Medium - by March 2027	PCLF Annual conference (Dec 21)	PCLF / Nature Scot/Planning and Development	M		Feasibility/design only	A	PKC supported Nature Scot and the Perth City Leadership Forum who are driving this project forward.  Through the Nature Restoration Fund funding and Tayside Biodiversity Partnership, we worked with community groups on a range of biodiversity and resilience measures.
Climate Resilience	R19	Resilient and empowered communities	Develop and build a public awareness campaign promoting the behavioural changes identified in the SCCAP2		Mar-22	Medium - by March 2027	1. Campaign developed 2. Implementation and M&E of impact	Planning and Development	H		Still to be identified	A	Adaptation actions have been promoted as part of the public information available on the PK Climate Action website and have featured on social media.  Due to need for Communications to focus on Cost of Living , a wider campaign has been deferred until 2023.
Climate Resilience	R20	Resilient and empowered communities	Continue to support and develop Communities Resilience Forums and other community groups and support them to develop proactive preventative measures	In Progress		Long - between 2027-2045	1. Continue to Support CRFs 2. Build capacity with groups around preventative behaviours (e.g. Greenspace groups, CRF)	Communities	H		Feasibility/design only	A	More and more communities want to be active in planning for, responding to and recovering from emergencies. It is anticipated that this appetite will result in a significant uptick in the number of communities with resilience plans over the next five years.
Climate Resilience	R21	Resilient and empowered communities	Promote natural flood management and work with riparian landowners and communities on addressing climate change and implementing actions of new catchment management plans		2022	Ongoing	1. Local place plans use these as a tool to work with communities on climate impacts 2. Continue to support Perthshire Nature Connections Project	Planning and development	H		Still to be identified	A	Working on this for specific locations - 2 NFM studies complete and a further 2 are underway
Climate Resilience	R23	Flood risk management	Use planning system to avoid an increase in flood risk	In progress		Medium - by March 2027	then await finalised NPF4. 2. Update Local Development Plan (LDP) Policy 52 New Development and flooding to add detail to NPF4 if necessary to strengthen current encouragement for flood resilient materials and construction methods particularly where adjacent to medium and high risk areas to make this a requirement. 3. Provide flood risk advice on proposed development through planning process (on-going) (increase in Flooding Team resources required for this). 4. Increase resource for BS so they can input at planning application stage 5. Implement policy requirement for flood resilient materials and constructions methods for properties adjacent to medium and high risk areas.	Planning and Development	H		Feasibility/design only	A	The vacant posts within the Council's Flooding Team have almost all been backfilled and the team is fully up to date on providing flood risk advice in relation to planning applications. However further resources will be required to progress further work required on SUDS, Section 7 Agreements, blue green infrastructure, etc
Climate Resilience	R24	Flood risk management	Implement Flood Protection Schemes (FRM Cycle 2)		2022-2028	Long - between 2027-2045		Flooding Team	Priority		Still to be identified	G	The Scottish Government/COSLA review into capital funding for flood schemes is on-going. The issue of affordability is to be raised with the Minister; further report will be issued to Council Leaders in due course. In the meantime it is likely that C2 Local FRM Plans will be published in Dec '22 with caveats around capital funding for new schemes.
Climate Resilience	R25	Flood risk management	Implement the Comrie Flood Protection Scheme	In Progress		Medium - by March 2027		Flooding Team	H		Available	G	Some delays encountered in late 2021/early 2022 due to extended statutory process, design changes and staffing shortage within flooding team. Advance works commenced on site at end of August 2022. Detailed design of main works on-going; anticipated site start in early 2023.
Climate Resilience	R26	Flood risk management	Implement the Milnathort (Surface Water) Flood Protection Scheme	In Progress		Medium - by March 2027		Flooding Team	H		Available	G	Some delays encountered early in 2022 due to staffing shortages in the Council's flooding team. Outline design is progressing.
Climate Resilience	R27	Flood risk management	Implement the South Kinross Flood Protection Scheme	In Progress		Medium - by March 2027		Flooding Team	H		Available	G	Some delays encountered early in 2022 due to staffing shortages in the Council's flooding team. Outline design is progressing.
Climate Resilience	R28	Flood risk management	Implement the Scone (Annaty Burn) Flood Protection Scheme		2022	Medium - by March 2027		Flooding Team	H		Available	G	Outline design yet to commence due to staffing shortages in flooding team. Consultant to be appointed in 2022/23.
Climate Resilience	R29	Flood risk management	Implement the Bridgend Flood Protection Scheme	In Progress		Medium - by March 2027		Flooding Team	H		Feasibility/design only	A	Detailed design has commenced and will be informed by ground investigation works which are due to commence in September 2022.

Climate Resilience	R30	Flood risk management	Complete On-going Flood Studies - FRM Cycle 1	In Progress	Immediate - by March 2022	Flooding Team	H	Available	A	Some delays encountered due to staff shortages in flooding team. Studies in Blackford, Invergowrie and Dunkeld are complete; Perth Surface Water management Plan, Craigie Burn Flood Study, Perth IFOS Project, Alyth NFM Study and Bridgend Flood Protection Works are on-going. Final studies (Blaigowrie and Scone) to commence in 2022/23 (see next action).
Climate Resilience	R31	Flood risk management	Undertake Flood Studies - FRM Cycle 1	2021	Short - by March 2023	Flooding Team	H	Available	G	Some delays encountered due to staff shortages in flooding team. The Blaigowrie & Rattray Surface Water Management Plan was put out to tender in June 2022 but no suitable tenders were received; the project is currently being re-tendered. The Scone Flood Study will follow in 2022/23.
Climate Resilience	R32	Flood risk management	Undertake Surface Water Management Plans - FRM Cycle 1	2021	Medium - by March 2027	Flooding Team	H	Available	A	Some delays encountered due to staff shortages in flooding team. The Perth Surface Water management Plan commence in January 2022 and is on-going. The Blaigowrie & Rattray Surface Water Management Plan was put out to tender in June 2022 but no suitable tenders were received; the project is currently being re-tendered. The Scone Surface Water Management Plan will commence on 2022/23.
Climate Resilience	R33	Flood risk management	Undertake Flood Studies - FRM Cycle 2	2022-2027	Medium - by March 2027	Flooding Team	H	Available	G	Yet to commence. SEPA published Cycle 2 FRM Plans in December 2021. Cycle 2 Local FRM Plans to be published in Dec 2022.
Climate Resilience	R34	Flood risk management	Undertake Surface Water Management Plans - FRM Cycle 2	2022-2027	Medium - by March 2027	Flooding Team	H	Available	G	Yet to commence. SEPA published Cycle 2 FRM Plans in December 2021. Cycle 2 Local FRM Plans to be published in Dec 2022.
Climate Resilience	R35	Flood risk management	Bodies of Water - Inspection, Assessment and Clearance & Repair Works	In Progress	Ongoing	Flooding Team	H	Still to be identified	G	Inspection programme was delayed in early 2022 due to staffing shortages in the Council's flooding team but has since been brought up to date. Inspections are still carried out by temporary students - permanent, trained and experienced staff still required.
Climate Resilience	R36	Flood risk management	Review climate change impacts on existing flood protection schemes	2028+	Long - between 2027-2045	Flooding	N/A	Still to be identified	G	FRM Cycle 3 (post 2028)
Climate Resilience	R37	Flood risk management	Address reduced input of Scottish Government, SEPA and Scottish Water to the flood risk management planning process (due to Covid, SEPA cyber-attack, issues with funding, issues with legislation, etc)	In Progress	Short - by March 2023		H	Still to be identified	A	Raised at FRM Lead Authority Forum and also at SAIFF Surface Water Management Group. However the input of all three parties has not changes - or has reduced even further.
Climate Resilience	R38	Flood risk management	Surface water management - seek increased collaboration from Scottish Water; address separate funding mechanisms; seek improvements in legislation.	In Progress	Short - by March 2023		H	Still to be identified	A	Scottish Govt initiated SAIFF Surface Water Management Group - initial meeting held and group to meet again in September - issue to remain on the agenda at this group. Ultimately legislation and funding arrangements will have to be amended to deliver any real progress.
Climate Resilience	R39	Flood risk management	Address funding gap for intermediate size flooding projects (greater than annual revenue budget but smaller than formal flood schemes)	2022-2028	Medium - by March 2027		H	Still to be identified	A	No progress - SMT paper required (but no available staff resources to progress).
Climate Resilience	R40	Flood risk management	Increased incidences of flooding - support emergency response to flooding and recovery efforts; emergency works and additional projects (and address impact on delivery of Local FRM Plans)	In Progress	Immediate - by March 2022		H	Still to be identified	A	No resources to progress. SMT decision still awaited on the structure of the Flooding Team (following the Structures & Flooding Manager's retiral in June 2021) and additional resource requirements.
Climate Resilience	R41	Resilient and empowered communities	New - Support community action on climate resilience- e.g. rain gardens		Year 2 (2023/24)		M	Still to be identified	New	New action for Year 2
Climate Resilience	R42	Resilient ecosystems	Deliver Nature Restoration Fund projects that support climate resilience		Year 1 (2022/23)		H	Available	New	New action for Year 2
Climate Resilience	R43	Resilient ecosystems	Develop and deliver proactive resilience programme to address ash dieback and storm damage		Medium - by March 2027		M	Still to be identified	New	New action for Year 2
Climate Resilience	R44	Resilient ecosystems	Explore the feasibility of a pilot natural flood management site in the Upper Leven Catchment.		Medium - by March 2028		Priority			
Governance	G1	Governance and accountability	Produce annual progress report and action plan updates	Oct-22	Ongoing	Climate Change Team	H	Available	G	Annual report prepared
Governance	G2	Governance and accountability	Mainstream climate change into committee procedures and council operations	Jan-22	Medium - by March 2027	Policy and Governance Group	Priority	Available	A	Included in Audit procedures, new CC&S Committee - still work to be done on embedding into work of existing committees and more widely into Council operations
Governance	G3	Business and performance m	Embed climate change into annual business planning process	Jan-22	Short - by March 2023	Performance Team	H	Available	G	L Dott and L Davey working on embedding this in
Governance	G4	Objective and target setting	Develop KPI framework and establish performance targets	In progress	Short - by March 2023	Climate Change Team	H	Available	G	On track included in meeting for 9 November
Governance	G5	Objective and target setting	Measure and develop action plan for our Scope 3 carbon footprint	Jun-22	Short - by March 2023	Climate Change Team	Priority	Still to be identified	R	Requirement now as part of our PSARB - Finance data has GDPR issues about releasing to company that can supply the data

Governance	G6	Sustainable Procurement	Engagement with existing suppliers on their climate ambitions	Apr-22	Short - by March 2023		Procurement Team	H	Still to be identified	R	Not progressed due to resource constraints
Governance	G7	Sustainable Procurement	Build capacity of procurement and contract management staff around ensuring climate change is appropriately considered in procurement and delivery processes	Summer 2022	Medium - by March 2027		Procurement Team	Priority	Still to be identified	R	Not progressed due to resource constraints
Governance	G8	Sustainable Procurement	Undertake a review of Council procurement with respect to climate and environmental considerations	Autumn 2022	Medium - by March 2027		Procurement Team	H	Still to be identified	R	Not progressed due to resource constraints
Transport	T1	Increase active transport across Perth and Kinross	Develop comprehensive Mobility Strategy for Perth and Kinross	2021/22 Financial Year	Ongoing	1. Extend the representation of the Mobility Board to ensure co-production of the Mobility Strategy with partners and stakeholders. 2. Carry out research into modal shift requirements, to inform the development of the Mobility Strategy	Planning and Development	Priority	Available	A	Preliminary work started on various projects and new post recruitment commencing end October
Transport	T2	Increase active transport across Perth and Kinross	Maximise the potential utilisation of Smarter Choices, Smarter Places (SCSP) fund to deliver sustainable and active travel.	In progress	Ongoing	Cross service working	Planning & Housing Strategy Manager	H	Feasibility/design only	G	Recurring project
Transport	T3	Increase active transport across Perth and Kinross	Develop comprehensive active travel network in association with mobility strategy	In Progress	Ongoing	Cross service working	Planning and Development	H	Feasibility/design only	A	Analysis underway on feasibility and traffic impacts
Transport	T4	Increase active transport across Perth and Kinross	Develop detailed design and construction of active travel route by 2025/26 as part of an integrated sustainable transport corridor along the Dunkeld Rd as agreed phase one of the Perth People Place for a city-wide network of enhanced sustainable transport and active travel improvements in and around Perth. In parallel, additional resources will be sought from Sustrans and other funding partners for accelerated design and development of 7 remaining identified primary corridors based on established engagement, procurement, and policy frameworks.	In Progress	Ongoing	1. Dunkeld Road Corridor 2. Mapping active transport links 3. Reprioritise list of existing schemes 4. Cross service working	Planning and Development	H	Feasibility/design only	A	Being developed and delivered through the Perth people Place programme. There are 7 primary corridors and design and development is underway for the Dunkeld Road corridor with a programmed construction delivery by 2025-26. The remaining corridors can be accelerated with additional resource for staff to manage these multiple projects within the overall programme. Discussions are ongoing with Sustrans as key funding partners.
Transport	T5	Increase active transport across Perth and Kinross	Lobby Scottish Government to include sustainable transport and active travel in the school curriculum.	Not started	Short - by March 2023	Cross service working	Planning & Housing Strategy Manager	M	Available	R	
Transport	T6	Increase active transport across Perth and Kinross	Explore measures to increase walking	Ongoing			Planning and Development	H	Feasibility/design only	A	Recurring CWSS Annual programme
	New	Increase active transport across Perth and Kinross	Expansion of cycle storage	Not started	Short - by March 2023	Cross service working	Planning & Housing Strategy Manager	M	Still to be identified	G	Cycling Scotland are launching a fund for the provision of Residential Cycle Parking across Scotland. The fund is likely to be in the order of £2m over the next two years. More details are to follow in the launch, likely to be August/September 2022.
		Accelerate the EV transition	Promotion of e-bikes	Not started				M	Still to be identified	New	New action for Year 2
Transport	T7	Accelerate the EV transition	Develop a strategy for the expansion of EV charging infrastructure	Ongoing	Short - by March 2023	Cross service working	Planning & Housing Strategy Manager	Priority	Available	A	Officer appointed to post. Now working with Regional Partners and Futures Trust on business case and funding models
Transport	T8	Accelerate the EV transition	Work with Taxi Operators to accelerate the transition to electric vehicles	Not started	Short - by March 2023	Cross service working	Planning & Housing Strategy Manager	M	Available	R	Future requirement to engage with Perth Taxi association. No resources at present to take this forward. Potential to restructure Transport Team to address this issue
Transport	T9	Accelerate the EV transition	Work with Transport Scotland to deliver the Electric A9 project	In Progress	Short - by March 2023	Cross service working	Planning & Housing Strategy Manager	H	Available	Complete	Completed
	New	Accelerate the EV transition	Explore embedding EV vehicles in Council Taxi procurement (Moray)	Not started				M	Still to be identified	R	Not started
Transport	T10	Accelerate the EV transition	Develop and implement a strategy to transform the Council's fleet to electric and alternative fuel vehicles	Not started	Short - by March 2023	Cross service working	Fleet Manager	Priority	Feasibility/design only	A	Decarbonisation of Fleet preliminary work done by Urban Foresight. Business Case to be developed re future Fleet requirements in lieu of national targets
		Accelerate the EV transition	Develop an EV awareness and behaviour change campaign	Not started				M	Available	A	There is potential for SCSP funding to be used for the promotion of EV, but Lachlan or Sarah would need to check with Smarter Choices, Smarter Places. Use of PKCA and wider Council comms channels to promote EVs. Some content has already been published in June (Transport month), but there can be potential for a weekly or fortnightly feature. Targeted campaign - raising awareness e.g. tariffs?

Transport	T11	Accelerate the EV transition	Develop the low carbon and active travel hub's project	In Progress	Ongoing	cross service working	Planning and Development	H	Feasibility/design only	A	Broxden hub underway, other sites under consideration at Perth West and rail station
			Raise awareness of alternative approaches to attending meetings across Council employees; including tele/video conferencing and provide training on using ICT equipment to reduce transport emissions		Ongoing		Head of Corporate IT		Available	Complete	Completed
		Accelerate the EV transition	Publish and promote to Council employees the car lease scheme currently being developed for electric vehicles.	In Progress	Ongoing		Head of Finance/ Planning & Housing Strategy Manager		Available	Complete	Completed
Transport	T14	Reduce vehicles in town centres	Develop a revised and expanded Corporate Travel Plan for Perth and Kinross that covers the full range of Council activities		Ongoing		Head of Environmental & Consumer Services	M	Available	A	CTP has been developed, may need reviewed. May need to wait till transport and work patterns settle for review
			Review options for workplace parking (including workplace parking levy), as a means to support more sustainable transport choices to disincentivise use of cars.								
Transport	T15	Remove vehicles from town centres	Bid for Smarter Choices, Smarter Places (SCSP) funding to support discounted bus fare initiatives targeting young people.	Consultation by SG			Planning and Development	M	Feasibility/design only	R	Regulations as part of Transport Act 2019 out to consultation, will be available for local authorities to implement should they so desire. Will be highly contentious issue and significant resource required
Transport	T16	Improve public transport provision	Expand the potential demand for responsive transport and community transport schemes	Identified as part of Mobility Strategy			Parking, Public Transport and Civil Contingencies Manager	H	Still to be identified	R	Need to check whether legitimate spend
Transport	T17	Improve public transport provision	Investigate options and develop plans for future park + ride sites at Luncarty, Walnut Grove and Bridge of Earn.					M	Still to be identified	A	Public Transport Unit are exploring options when available
Transport	T18	Reduce vehicles in town centres	Explore the potential for EV bus chargers across the Council Area	In Progress	Short - by March 2023		Planning and Development	Priority	Feasibility/design only	A	Walnut Grove under discussion with Developers. Feasibility has commenced on Bertha Park
		Improve public transport provision	Identify options and costs to establish an annual 'Sustainable Transport Week' as an incentive to raise the profile of public transport by bus and promote public transport.				Parking, Public Transport and Civil Contingencies Manager	H	Feasibility/design only	New	New
Transport	T19	Improve public transport provision	Explore operating registered school buses within Perth City for or non entitled pupils attending their catchment secondary school to reduce school run journeys.		Immediate - by March 2022			L	Still to be identified	R	No progress at this stage
Transport	T20	Improve public transport provision	Prepare Impact Analysis and costings to identify funding for improving bus stop infrastructure.		Short - by March 2023		Parking, Public Transport and Civil Contingencies Manager	L	Still to be identified	A	New national Under 22 scheme implemented
Transport	T21	Improve public transport provision	Improve bus priority measure at junctions through reconfiguration and/or managed by traffic lights using new technology and providing new bus lanes on key corridors.		Immediate - by March 2022		Parking, Public Transport and Civil Contingencies Manager	H	Feasibility/design only	A	Public Transport Unit are exploring options when available
Transport	T22	Improve public transport provision	Perth Bus/Rail Interchange Project	2021/22 Financial Year	Short - by March 2023		Traffic and Network Manager	N/A	Feasibility/design only	A	Bus Service Partnership appraisal work underway - looking at 7 corridors and city centre options
Transport	T23	Improve public transport provision	Explore community transport priming - re-establish community transport forum				Parking, Public Transport and Civil Contingencies Manager	H	Available	A	Tay Cities Deal funding to augment upgrading of rail station by improved linkages to the city centre
			Apply for Scottish Government funding for air quality projects in 2022/23 which include cross service projects to tackle air quality and climate change.	Ongoing	Short - by March 2023		Regulatory Services Manager	M	Feasibility/design only	New	Development of wider CT and MAAS schemes to come out of wider Mobility Review
Transport	T24	Reduce vehicles in town centres	Continue to monitor the need for and potential benefits for Perth City and Crieff AQM As to identify if the creation of Low Emission Zones (LEZs) or alternative vehicle access restrictions could reduce emissions.	Ongoing	Short - by March 2023		Regulatory Services Manager	H	Available	A	PKC received £273,077 from the Scottish Government Air Quality Grant for 22/23 projects
Transport	T25	Reduce vehicles in town centres	Investigate options for further air quality related regulatory measures which support climate change mitigation.	Ongoing	Short - by March 2023		Regulatory Services Manager		Available	R	2019 NLEF Assessment found that neither Perth nor Crieff required a LEZ to achieve National Air Quality Objectives. As of 2022 there has been no significant change in AQ from this initial 2019 assessment to justify reconsidering the need for an LEZ
Transport	T26	Reduce vehicles in town centres	Roads maintenance to adapt to climate change	Ongoing	Medium - by March 2027		Road Maintenance Partnership	M	Still to be identified	R	No progress at this stage - evidence base to be developed as part of mobility strategy work
Transport	T27	Resilient transport systems									Will be included as part of wider Resilience work



Transport	T28	Reduce vehicles in town centres	Revisit road use to maximise benefits of decreased vehicle traffic in Perth following the CTRL Opening	Ongoing	Short - by March 2023		Planning and Development	N/A	Feasibility/design only	A	Phase 4 Perth Transport Futures expected to start Autumn 2022. Link to PPP
Transport	T29	Reduce vehicles in town centres	Explore supporting the establish		2022		Planning and Development	M	Feasibility/design only	G	will be taken forward as part of wider Mobility Strategy and review of current Lift share scheme
Transport	T30	Reduce vehicles in town centres	Review and update parking polic		2023			M	Feasibility/design only	New	Updates to Parking Policy will be carried out as part of the Mobility Strategy.
Transport	T31	Reduce vehicles in town centres	SURFLOUGH Programme - Distr		2022			M	Still to be identified	A	Working in partnership with Perth West and wider SURFLOUGH project
Engagement & Education	E1	General engagement	Develop and deliver annual climate change engagement plan	In progress	Ongoing		Engagement and education working group	H	Available	G	Generally progressing via regular E&E WG Meetings
Engagement & Education	E2	General engagement	Develop and launch comprehensive Climate Change website	Complete	We developed and launched the website on 16/02/22	Four months after the launch the key milestones are: 3000 users of the website - with over 10000 page views (43 news/blogs/community stories posted, 133 climate related events promoted)  Communications plan developed for website	Climate Change Team	H	Available	G	Web site launched effectively from end February 2022 and ongoing content being developed
Engagement & Education	E3	General engagement	Develop Perth and Kinross Climate Change Commission	In place	Ongoing from June 2022		Now runs autonomously but with support from Climate Team	H	Available	G	Commission now established and operating with formal meetings and themed workshops
Engagement & Education	E4	Council Elected Members and Staff	Refresh Member induction process to include Climate Literacy	In progress	Immediate - by Autumn 2022		Member services	H	Available	A	Planned for second session of new council (after summer recess); training resources being developed with KSB
Engagement & Education	E5	Council Elected Members and Staff	Develop annual programme for staff training and engagement	Jan-22	Ongoing		Engagement and education working group	H	Available	A	Currently promoting the online e-module in place; numbers can be improved. developing suitable new training vehicle for staff training
Engagement & Education	E6	Council Elected Members and Staff	Develop internal climate change resources hub for staff	Apr-22	Short - by March 2023		Climate Change Team	H	Available	G	In process and in work plans for 2022; accessibility to be discussed
Engagement & Education	E7	Schools and young people	Develop engagement plan and platforms for young people	Jan-22	Immediate - by Autumn 2022		Engagement and education working group	H	Available	G	Ongoing resources in place for direct engagement with schools, good plans in place for a YP Climate Conference for Autumn 2022; also promoting Climate Cafes for schools and YP involvement in CC Commission
Engagement & Education	E8	Schools and young people	Ensure climate change is embedded in school curriculums	In progress	Ongoing		Education & Children's Services	H	Available	G	ECS and Climate Change liaison rep; Schools sub-group created; also put in place an Education Officer full time
Engagement & Education	E9	Schools and young people	Review school operations and practices to ensure our schools lead by example	Apr-22	Medium - by March 2027		Climate change working groups	Priority	Available	G	ECS contracts team added to schools sub group; Practices to be reviewed
Engagement & Education	E10	Community groups and organisations	Establish regular update and engagement sessions for community groups	Feb-22	Ongoing		Engagement and education working group	H	Available	G	generally ongoing interaction with various Groups - through hub and web site
Engagement & Education	E11	Community groups and organisations	Mapping and sharing of community groups involved in climate action	Complete	Ongoing	2200 views of the community groups and projects map (286 groups and projects displayed)	Climate Change Team	H	Available	G	Map created and supporting public survey has been produced to allow new groups to provide details of their projects.
Engagement & Education	E12	Residents	Explore expansion of in-person climate change advice centres	Sep-22	Short - by March 2023		Climate Change Team	H	Available	G	Being delivered through SCARF and Heat Project as service providers; SLA to be put in place; funding and spend approved
Engagement & Education	E13	Residents	Implement thematic specific engagement as outlined in the Buildings, Transport, Land Use, Waste and Resilience Road Maps	Jan-22	Ongoing		Engagement and education working group	H	Available	G	Generally ongoing
Engagement & Education	E14	General engagement	Create social media platforms Facebook Twitter Instagram TikTok	Complete	Apr-22	Communications plan and working group developed to create social media content  <b>Views (after 4 months live)</b> Facebook 15.7k Insta 4.6k Twitter 14.4k TikTok 1.7k	Climate Change Team		Available	Complete	Social media platforms launched in Spring 2022
Engagement & Education	E15	General engagement	Create a dedicated landing page for climate change engagement activities and consultations	Complete	Launched Feb 2022	Consultation Hub survey published to ask all community groups how they would like to engage	Climate Change Team		Available	Complete	<a href="https://consult.pkc.gov.uk/climate/">https://consult.pkc.gov.uk/climate/</a>
Engagement & Education	E17	General engagement	Provide support on the corporate PKC cost-of-living campaign	In progress	Sept 22 - March 23	Cost of living support page published on PK Climate Action Website (links to corporate campaign added). This will be promoted on the CC/PKC and partners social media platforms. The information will also be promoted at all community events/meetings.	Climate Change Team	H	Feasibility/design only	G	<a href="https://www.pclimateaction.co.uk/cost-of-living">https://www.pclimateaction.co.uk/cost-of-living</a>

Engagement & Education	E19	Schools and young people	Youth Conference	In Progress	Date 4th Nov. Invites to be sent out September. All presentations/workshops specifics to be finalised by October		Climate Change Team	H	Feasibility/design only		
Engagement & Education	E20	General engagement	Send out monthly newsletter to subscribers	Complete	Ongoing (monthly)			L	Available	G	150 person event planned for 4 November 2022
Engagement & Education	E21	General engagement	Public engagement campaigns	In progress	Dec-22	Currently developing a plan to attend the Winter Festival in November 2022.	Climate Change Team	Priority	Feasibility/design only	G	
Engagement & Education	E22	Schools and young people	Explore and enhance connections between culture and education. Coordinate with museums and RSGS.	In progress	2023		Climate Change Team	M	Still to be identified		
Engagement & Education	E23	Council Staff	Produce a Sustainability Policy for the 2023 Winter Festival in collaboration with the PKC Events Team. This policy will be used as a template to form a policy document which will be used as a guide for PKC led events.	Not Started			Climate Change Team		Feasibility/design only	New	New
					2023			M		New	New
Business and Industry	B1	Data & Strategic targeting	Collate key info and carbon targeted reduction plans from key employers and industry bodies	In progress	Short - by March 2023	Information from employers with more than 250 employees and main energy users collated	Planning and Development	H	Available	G	Expansion of action to include largest employers 250+ employees and large energy private users (>0.5MW)
Business and Industry	B2	Engagement, Empowerment and Awareness	Identify and meet with key employers/businesses for them to lead/champion the Race to Zero campaign at local level	Completed	Immediate - by March 2022	Meetings with SSE, Aviva, Stagecoach and Highland Spring organised	Planning and Development	N/A	Available	Complete	Inception meetings took place with SSE, Aviva, Stagecoach, Highland Spring, Binn Group
Business and Industry	B3	Strategic Actions	Agree with key employers/businesses the key activities, locations or sectors to target to reduce carbon emissions and achieve a just transition.	Completed	Immediate - by March 2022	Agreement reached with SSE, Aviva, Stagecoach, Highland Spring	Planning and Development	N/A	Available	Complete	SSE, Aviva, Stagecoach and Highland Spring have agreed to act as local champions to promote Race to Zero
Business and Industry	B4	Data & Strategic targeting	Promote with key employers/businesses/business organisations the Race to Zero campaign to local businesses.	Completed	Immediate - by March 2022	Agreement on developing joint actions on Transport/travel, asset energy efficiency and skills/job opportunities	Planning and Development	H	Available	Complete	Key priority areas have been agreed: Transport, Energy, Waste, Skills and jobs
Business and Industry	B5	Strategic Actions	Promote advice and support tools for SMEs to reduce carbon, access funding/green finance, ensure business continuity and measure progress.	Completed	Immediate - by March 2022	Joint announcement at Zero emission Tour Bus 26.10.21 event	Planning and Development	H	Available	Complete	Event took place with presence of champions with good media coverage
Business and Industry	B6	Strategic Actions	Develop public/private learning business forums via existing partnerships/networks	In progress	Short - by March 2023	Signposting to sectoral and representative bodies' online resources and advice in place	Planning and Development	H	Available	G	Business signposting page has been developed on Climate Change Action website and signposting has been relayed in Business Bulletins and other media. There is a need to continue to raise awareness.
Business and Industry	B7	Skills/Jobs	Identify and address skills shortage in business and industry including with key employers and their supply chain	In progress	Short - by March 2023	Event to launch forums with strategic partners and practitioners	Planning and Development	M	Available	G	Tay Cities Clean Growth Community has been created and has met several times- Next step is to focus on developing professional networking
Business and Industry	B8	Skills/Jobs	Identify and promote green job opportunities in business and industry including with key employers and their supply chain	In progress	Medium - by March 2027	Joint initiatives agreed	Planning and Development	H	Available	A	Agreed to focus on key industries as identified in Skills Development Scotland (SDS) Green Jobs workforce academy: Construction and Build environment, Transport, Nature, Energy, Engineering, Life and chemical Sciences. There is a need to map skills gap data for each industry
Business and Industry	B9	Skills/Jobs	Develop joint strategic projects to decarbonise Transport (goods and people) with key employers in close liaison with the Transport Group	In progress	Short - by March 2023	Joint initiatives agreed	Planning and Development	H	Available	A	Mapping job opportunities – signpost to SDS website - There is a need to develop more intelligence on job opportunities and how to support access to these jobs. The transition to a greener economy will mean that a broad range of jobs will be subject to varying degrees of green-biased change. Three subcategories of occupations have been identified reflecting the varying impact of greening on jobs and provide an indication of the potential workforce consequences. The three green categories assigned to occupations are:  Green Increased Demand – an increase in employment demand but no significant changes in the work and worker requirements of the occupation. Green Enhanced Skills – a significant change to the work and worker requirements of an existing occupation. Green New & Emerging – new unique work and worker requirements, which results in the generation of new occupations. This approach has led to the identification of 100 out of 369 four-digit UK SOC (Standard Occupation Classification) unit groups as green occupations.
Business and Industry	B10	Strategic Actions		On going	Immediate - by March 2022	Joint initiatives agreed	Planning and Development	H	Available	G	Joint initiatives have been identified: Mobility Strategy, Wider EV infrastructure, Active Travel & Public Transport Dunkeld Corridor

Business and Industry	B11	Strategic Actions	Develop joint strategic projects to decarbonise fixed and mobile asset including energy efficiency with key employers in close liaison with the Building and Energy Group	Completed	Short - by March 2023	Joint initiatives agreed	Planning and Development	H	Available	G	Joint initiatives have been agreed Local Heat and Energy Efficiency Strategy, Smart Local Energy Systems (SLES) and Smart Local Energy Programme
Business and Industry	B12	Strategic Actions	Identify and share business continuity plans with key employers in close liaison with the Resilience Group	In progress	Short - by March 2023	Plans identified and liaison established	Planning and Development	M	Available	A	No real progress due to time constraints
Business and Industry	B13	Measuring performance	Agree with key employers/businesses key indicators and measure performance	In progress	Short - by March 2023	Indicators agreed	Planning and Development	M	Available	G	Indicator agreed as % of businesses (250+ employees or largest energy demand (+0.5M) with a set target for reducing carbon emissions
Business and Industry	B14	Strategic Actions	Develop Perth West and Perth Eco-Innovation Park as a national net zero exemplar for decarbonisation of transport and energy	In progress	Medium - by March 2027	Business Case agreed	Planning and Development	Priority	Available	A	Outline Business Case is being finalised. Bid submitted to UK Levelling-Up Fund
Business and Industry	B15/New	Strategic Actions	Transport: Facilitate Business engagement in the development of PK Mobility Strategy, Wider EV infrastructure, Active Travel & Public Transport Dunkeld Corridor	In progress	Short - by March 2023	Effective engagement	Planning and Development	H	Feasibility/design only	New	New Action
Business and Industry	B16/New	Strategic Actions	Energy: Facilitate business engagement in the development of the Local Heat and Energy Efficiency Strategy (LHEES), Smart Local Energy Systems (SLES) and Smart Local Energy Programme	In progress	Short - by March 2023	Effective engagement	Planning and Development	H	Available	New	New Action
Buildings and Energy	B1	Domestic - Private	Prepare a costed programme and seek funding to complete the Local Heat and Energy Efficiency Strategy (LHEES), as the basis for future planning and delivery of specific building level interventions and heat decarbonisation measures across zones (e.g. heat networks) in Perth & Kinross.	In Progress	Ongoing	1. Formal Statutory Proposals from SG. 2. Complete LHEES process. 3. Identify heat decarbonisation measures across P&K.	Planning and Development	Priority	Feasibility/design only	G	Awaiting finalised guidance/methodology & resourcing commitments from Scottish Govt. Internal preparatory work is ongoing to develop workplan for PKC inc identifying likely resources required internally and potential use of consultancy funding to be issued by Scottish Govt. Work being undertaken to meet statutory requirements by Dec 2023 outlined in LHEES guidance (draft).
Buildings and Energy	New	Domestic - Private	Using Scottish Government awarded grant funding, undertake LHEES pilot project with consultancy/EST support to further develop capacity for future LHEES statutory duties and support ongoing policy development in this area.	Complete	Immediate - by March 2022		Planning and Development	H	Available	Complete	LHEES pilot project has been completed.
Buildings and Energy	B2	Domestic - PKC	Develop and deliver a programme to ensure all existing Council houses are brought up to EPC B by 2032	Financial year 21/22	Long - between 2027-2045	1. Target Council housing with EPC Band D and below by 2026. 2. External consultants to be appointed to carry out a high level review of current housing stock and to identify scope and costs for meeting EPC B.	Housing	Priority	Feasibility/design only	A	Two post holders have now joined the Improvements Team to progress this action. Third technical post holder has been appointed and is due to start within the team on 17 October 2022.
Buildings and Energy	B3	Domestic - PKC	Investigate the potential to deliver new build exemplar projects using a net zero approach incorporating other sustainability measures including potential avenues for funding and potential to incorporate mixed use developments.	At master planning stage	Medium - by March 2027	Review of Design Guide for New Build affordable housing	Planning and Development	M	Available	A	Draft Design Guide available and workshop to be arranged with stakeholders to discuss further and agree final document. Change in personnel within the team and new Team Leader has just been appointed to take this forward.
Buildings and Energy	B4	Domestic - PKC	Develop a comprehensive suite of measures for inclusion in the review of the Local Housing Strategy to assist our tenants in meeting the challenges of climate change mitigation by reducing energy and water consumption.	Ongoing	Immediate - by March 2022	Agreement and issue of Energy Guide for Tenants for 2021	Joint between Planning and Development and Housing	H	Available	G	Draft Local Housing Strategy has been prepared
Buildings and Energy	B5	Domestic - Private	Work with local Housing Associations to maximise the number of social rented homes achieving EPC B by 2032.	Ongoing	Long - between 2027-2045		Planning and Development	H	Still to be identified	R	Housing strategy and sub-group workshops have been undertaken

Buildings and Energy	86	Domestic- Private	Carry out a comprehensive awareness raising programme, giving private landlords notice of impending EPC targets and directing them to the technical advice required, to allow them to upgrade their properties where required.	Ongoing	Long - between 2027-2045		Joint between Housing and Legal and Governance Services	M	Still to be identified	R	Not taken forward and still in early development due to changes in personnel within Planning and Housing strategy team.
Buildings and Energy	87	Domestic- Private	1. Develop support for private landlords to work towards the required housing energy standards where there are issues with the co-ordination of multi owners. 2. Monitor likely demand and consider options for resourcing this service including charging on a cost recovery basis	Financial year 21/22	Long - between 2027-2045		Joint between Housing and Legal and Governance Services	M	Still to be identified	R	Not taken forward and still in early development due to changes in personnel within Planning and Housing strategy team.
Buildings and Energy	88	Domestic- Private	Introduce a scheme for home energy efficiency advice, co-designed with partner organisations, the third sector and the public (to consider also income maximisation)	Ongoing	Short - by March 2023		Joint between Planning and Development and Housing	H	Still to be identified	G	Partnership with SCARF and HEAT Project in place until December 2023 that will double capacity
Buildings and Energy	89	Domestic- Private	Commission research into fuel poverty and housing conditions in the private sector, to assess the scale of the problem and develop an action plan to tackle the issue.	Ongoing	Short - by March 2023		Planning and Development	H	Available	A	Survey work has been completed on Council Housing stock but final report is still awaited. Surveys for Private Properties is still in development.
Buildings and Energy	810	Domestic - PKC	Carry out an updated survey programme (similar to the one being carried out by Property Services) to refresh information about the condition of the Housing non-domestic estate (HRA) portfolio.	Financial year 21/22	Immediate - by March 2022		Housing	H	Still to be identified	A	Finalised list of properties has been agreed with Estates. Energy efficiency surveys to be undertaken as part of wider consultant role.
Buildings and Energy	811	Non-domestic - PKC	Develop options, costs and funding avenues for PKC Estate Portfolios to reduce greenhouse gas emissions. Options should include non-direct emissions heat source and Low and Zero carbon construction methods such as Passivhaus/Enerphit for all new build and major refurbishment projects to achieve energy efficiency and quality. All proposals to be aligned with proposed changes to the Scottish Building standards and the Scottish Futures Trust - 'Net zero public sector buildings standard'.	Ongoing	Short - by March 2023	1. Comply with updated building standards. 2. Align with SFT - Net zero public buildings strategy. 3. Identify a plan to meet SG domestic and non-domestic targets.	Property/Housing	Priority	Feasibility/design only	A	New staff member recruited and work on this action will be commenced in early Oct 22.
Buildings and Energy	812	Non-domestic - PKC	All non - domestic buildings considered for refurbishment must have improved energy efficiency and performance, adopting the 'fabric first' approach by upgrading building fabric and incorporating non-direct emissions heat sources measures as standard to reduce heat demand and 'in use energy' consumption to a level indicated in the Property Services Energy Policy. These measures will also align with wider Scottish Government targets and future LHEES duties to improve EPC ratings and meet future Net Zero emissions targets.	Financial year 21/22	Ongoing	1. Identify additional resources: staffing and financial. 2. Initial scope to be identified using Consultants as part of Phase 1 project. 3. Set specific targets for each building as full scope of works is identified.	Budget Holders incl. - Property Services/Communities/ECS	Priority	Still to be identified	R	New staff member recruited and work on this action will be commenced in early Oct 22.

Buildings and Energy	813	Non-Domestic - P&K	Develop and invest in local district heat/communal heat/electricity networks where viable which use alternative non-direct emissions heat sources such as electricity, hydrogen or bio fuels. This must also be considered in conjunction with the requirements of the LHEES programme, Heat Networks bill and the Scottish Governments Heat in Buildings strategy.	Financial Year 21/22	Short - by March 2023	1. Identify additional financial and staffing resources. 2. Initial scope to be identified using LHEES and Consultants as part of Phase 1 project. 3. Compliance with Scottish Governments Heat in Buildings strategy.	Communities/Housing/Property Services.	Priority	Still to be identified	A	New staff member recruited and work on this action will be commenced in early Oct 22 in conjunction with LHEES project.
Buildings and Energy	814	Non-domestic - PKC	Re-evaluate all existing 'business as usual' programmes of work which are currently funded. Where possible re-prioritise these to ensure that a reduction in greenhouse gas emissions is the key driver for each expenditure programme. Typical reprioritised works to be considered would be upgrading building fabric, glazing, installation of LED lighting, replacing inefficient heating systems with non-direct emissions heat sources, improving Building controls systems and include local energy generation as standard.	On hold	Immediate - by March 2022	1.To be identified and aligned with annual expenditure programmes. 2. To align with investment blueprint. 3. Reduce annual emissions.	Property Services	H	Available	R	Projects prioritised for 22/23 and some works will be undertaken. However due to other essential works and a reduction in budget limited progress will be made.
Buildings and Energy	815	Non-Domestic - P&K	Explore and secure alternative funding streams to assist the transition to zero carbon and meet Scottish Government Climate Change targets.	Financial year 21/22	Ongoing	To identify and secure funding as it becomes available.	Communities - exact Service to be determined.(Corporate Resource)	M	Still to be identified	R	1x Funding Officer recently in post and this is in early development stage.
Buildings and Energy	816	Non-domestic - PKC	Review the property portfolio and reduce emissions through a combination of maximising and optimising the use of buildings in line with the Corporate Asset management review and Smarter Working.		Short - by March 2023	1. Assist with targets for reduction in CO2 emissions by rationalising the estate portfolio.	Property Services/ Communities/Estates	H	Feasibility/design only	A	Currently developing Corporate Asset management strategy to include Property Asset management as part of this process. Smarter working is developing separately but will align.
Buildings and Energy	817	Non-Domestic - P&K	Develop collaborative and partnership working with other Public sector bodies and community planning partners to achieve net zero by 2045.	Financial year 21/22	Short - by March 2023	1. Capitalise and improve partnership working to achieve area wide Net Zero targets.	Property Services/ Communities	H	Feasibility/design only	A	One Public Estate working group established with partner organisations. All agreed we need to look at strategic opportunities for reducing and collaborating with our property estates.
Buildings and Energy	818	Non-Domestic - P&K	Area-wide assessment including the investigation for future local energy targets. To include existing energy resource demand for heat and transport; energy storage potential; building stock (domestic and non-domestic). Potential to include LHEES in this process in line with Local and National targets set by the Scottish Government.	Financial year 22/23	Medium - by March 2027	1. Identify heat decarbonisation measures across P&K	Planning and Development	M	Feasibility/design only	G	Awaiting update from consultants, delayed due to change in personnel.
Buildings and Energy	819	Non-domestic - PKC	Investigate water conservation measures to cost options for a dedicated water management resource to reduce water consumption and waste across the estate. This will reduce the Council's expenditure and assist Partner organisations including Scottish Water to reduce greenhouse gas emissions.	Apr-22	Medium - by March 2027	1. Decrease water consumption 2. Reduce Scope 3 indirect greenhouse gas emissions	Property Services	H	Still to be identified	G	Action not taken forward as deemed as low priority and no financial or staff resource available at this time.
Buildings and Energy	820	Non-domestic - PKC	Explore and enhance connections between culture and education. Coordinate with museums and RSGS.	Ongoing	Ongoing	1.Decrease Energy consumption and emissions 2. Improve energy awareness.	Education & Children's Services	H	Available	R	New ECS officer recently allocated to this role and it is still in development.

Buildings and Energy	B21	Non-domestic - PKC	Replace all Oil fired heating systems with non- direct emissions heat source, adopting a fabric first approach to reduce heat demand. Increase local energy generation and improve heating control systems. Increase level of smart metering for all utilities.	On hold	Ongoing	1.To work towards meeting SG non-domestic targets. 2. To align with investment blueprint. 3. Undertake quick wins to reduce, energy consumption and annual emissions	Property Services	Priority	Still to be identified	R	Action not taken forward as no funding available. Needs to be considered for funding in 23/24 if action is to be achieved. Situation compounded by LHEES and SG targets now set for removal of off gas grid/direct emissions heat sources by 2030.
Buildings and Energy	B22	Non-domestic - PKC	Work with energy and utility suppliers to share ideas, discuss future solutions and partnership working in relation to energy supply and resilience.	Financial year 21/22	Ongoing	1. Decrease Energy consumption and emissions for PKC and wider P&K.	Property Services	H	Available	R	Action ongoing with various working groups set up. SSEN are currently looking at future funding and will have dedicated team available to assist LA's.
Waste & Circular Economy	W1	Data & Strategic Targeting	Conduct a more detailed greenhouse gas assessment of the Waste projects and activities, to prioritise future climate change activities.	Complete	Immediate - by March 2022	Carbon Metric Factors Summary Report and Scenario Modelling. Investigate national co-ordination and support to ensure a consistent methodology and accurate data set is utilised.	Waste Services	H	Available	A	The top 5 materials recording the greatest carbon impact and require targeted are: 1. Animal & Mixed Food Wastes, 2. Household & Similar Wastes (residual waste from RCS?), 3. Textiles , 4. Plastics, 5. Paper & Cardboard  The figures will be reviewed on an ongoing basis (annual)
Waste & Circular Economy	W2	Data & Strategic Targeting	Undertake a Perth & Kinross Circular Scan to establish a baseline for the Circular Economy Route map	In progress	Medium - by March 2027	Building on initial Material Flow Analysis (MFA) and industry sectoral study, a current state analysis will be conducted.	Planning and Development	H	Available	A	End date moved to 2023  Initial Material Flow Analysis has been carried out, but more detailed assessment is needed in close partnership with industry
Waste & Circular Economy	W3	Data & Strategic Targeting	Food Waste: Gather data to create a baseline of knowledge, participation and barriers	In progress	Short - by March 2023	Food waste survey for householders, businesses and organisations on Commonplace.	Waste Services	H	Available	A	End date moved to March 2023  Baseline will be completed by Dec 2022- Follow up mentoring after campaign  Householder FW survey completed April 2022  Niamh Anderson, Ruairidh Hanna added
Waste & Circular Economy	W4	Data & Strategic Targeting	Textiles: Confirm a baseline for behavioural change	Jan-23	Short - by March 2023	Public Consultation. Action Plan Developed	Waste Services	H	Available	A	Focus is currently on Food Waste - Textile campaign has been programmed for delivery in January 2022
Waste & Circular Economy	W5	Ensure alignment with the Scottish Government Climate Change Route map	Review how the national Deposit Return Scheme (DRS) and Extended Producer Responsibility can be introduced effectively in Perth and Kinross & regionally	In Progress	Short - by March 2023	Extended producer Responsibility Consultation Response Submitted Provide indicative cost & performance modelling (rural collections) data to inform research phase for EPR Watching brief on implementation dates	Waste Services	H	Still to be identified	A	Delay to EPR announced - Government response to consultation published. Application to Recycling Improvement Fund deferred until June board - clarifications to be submitted before end of April.  For DRS initial meetings with BIFFA and Circularity Scotland have been had. DRS still to start August 2023. For EPR •Payments to LAs will commence in 2024 for household packaging •Based on a payment calculator and for 'necessary costs' and based on effective and efficient collection systems. •Notification will be given of confirmed payment in
Waste & Circular Economy	W6	Ensure alignment with the Scottish Government Climate Change Route map	Watching brief on requirement to provide separate collections for garden waste and textiles by 2023 & 2025 (EU Commission)	Subject to Scottish Government Timetable	Short - by March 2023	Watching brief on national consultations Model service requirements if required	Waste Services	H	Still to be identified	A	In the Circular Economy Route map, Scottish Government have committed to consult on requirements to separately collect garden waste (by 2023), textiles and hazardous elements of household waste (by 2025), as set out in the Climate Change Plan update (2020), and in line with EU Commission's Circular Economy Package.
Waste & Circular Economy	W7	Ensure alignment with Scottish Government Legislation and Climate Change Route map	Review implications of Circular Economy Bill which will encourage the reuse of products and reduce waste. The bill will tackle our reliance on single-use items and include measures to tackle textile pollution/fast fashion.	Subject to Scottish Government Timetable	Medium - by March 2027	Watching brief on national consultations Model service requirements if required	Waste Services	H	Still to be identified	G	Regulation came into force from June 2022 for some single use plastics
Waste & Circular Economy	W8	Ensure alignment with Scottish Government Legislation and Climate Change Route map	Carry out a further review of actions on completion of the Scottish Government Route map review in 2022. The Scottish Government review will consider whether the national targets and interventions align with net zero.	Subject to Scottish Government Timetable	Short - by March 2023	Attend Stakeholder engagement Sessions Watching Brief on national consultation (March 2022)	Waste Services	H	Still to be identified	A	Delivering Scotland's circular economy - route map to 2025 and beyond: consultation published in May 2022 and closed in August. Work ongoing to understand future requirements. Update will be prepared for the Waste Management Plan update in January 2023.
Waste & Circular Economy	W9	Thematic Action Plan for High Carbon Materials	Develop a Food Waste Action Plan	Aug-21	Short - by March 2023	Public Consultation. Action Plan Developed.	Waste Services	H	Available	A	Project Plan and timeline created for food waste comms . Food Waste Action plan has been drafted. Needs further work.
Waste & Circular Economy	W10	Thematic Action Plan for High Carbon Materials	Review interim Food Waste Action Plan in 2022 following the evaluation of the National Food Waste Reduction Plan	Subject to Scottish Government Timetable	Short - by March 2023	Watching brief on national consultations Model service requirements if required	Waste Services	H	Feasibility/design only	G	Within the Circular Economy Route map the Scottish Government will publish a review of progress towards the food waste reduction target in 2022, alongside an updated Food Waste Reduction Action Plan that sets out our plans to accelerate progress on food waste.

Waste & Circular Economy	W11	Thematic Action Plan for High Carbon Materials	Ensure the effective collection of consumable surplus food from all stages in the supply chain, from farms to retail, and redistribute it to community food organisations while working to raise the nutritional standards of the food being offered.	TBC	Medium - by March 2027	Incorporate as part of the Good Food Strategy & Action plan	TBC	H		Still to be identified	A	In progress- Officers involved still to be identified (Kim MacDonald?)
Waste & Circular Economy	W12	Thematic Action Plan for High Carbon Materials	Recycling Services by (1) Implementing in Nov 2023, expanding PKC recycling services to include flexible plastic packaging and hard rigid plastics (as market conditions allow) (2) Implementing Nov 2022	In progress	Short - by March 2023	Action Plan for Twin Stream Recycling Service change including Contract Strategy development. Action Plan for Perth City Centre	Waste Services	Priority		Available	A	£2.7M RIF funding granted.
Waste & Circular Economy	W13	Thematic Action Plan for High Carbon Materials	Maximise value from waste through reduction of greenhouse gas emissions via diversion of organic waste from landfill into recycling and energy production	In Progress	Short - by March 2023	Secure a long-term residual waste treatment solution to meet the implementation date for the ban on landfilling biodegradable municipal waste ban by 31 December 2025. Waste Analysis completed Autumn 2021. Procure Contract by March 2022 (latest). Award contract by December 2022	Waste Services	H		Available	A	PIN issued to show intention to come out to market with tender by June 2022. Look to award contract by the end of 2022 for a April 2023 start date.  Will be awarded by Dec 2022
Waste & Circular Economy	W14	Promote a rapid transition to the Circular Economy	Develop a Circular Economy route map including an action plan for Circular Textiles & Sustainable Fashion		Jan-23 Short - by March 2023	Public Consultation. Route map developed.	Waste Services	H		Available	R	Work has not started on this action due to resourcing . Extended date until 01/01/2022
Waste & Circular Economy	W15	Promote a rapid transition to the Circular Economy	Develop a Circular Economy Route map including actions to reduce consumption of products and materials and make better use of existing products including tackling single use items		Short - by March 2023	Embed Sustainable Procurement Duty and promote sustainable procurement tools. Investigate Circular Procurement opportunities.	Corporate Procurement Team	Priority		Still to be identified	R	On hold due to procurement capacity until after the Council's Transformation project is complete
Waste & Circular Economy	W16	Leading by Example	Development of a Resource Management Plan for Education & Children's Services		Mar-22 Short - by March 2023	Plan Agreed	Waste Services	H		Still to be identified	A	Template developed in partnership with education to enable internal waste audits to evaluate further actions required i.e. bins, signage  Look to consolidate information for schools alongside other action plans.  First meeting of working group is 13th Sep 2021
Waste & Circular Economy	W17	Leading by Example	Asset Management Review of Waste & Recycling Infrastructure		Apr-22 Ongoing	Building Condition & Suitability Surveys including Climate Change Action Audit, Options Appraisal	Waste Services	H		Still to be identified	A	Asset review underway
Waste & Circular Economy	W18	Leading by Example	Review PKC purchasing Policy in line with Scottish Legislative Single Use Plastics Ban coming into force in 2022. Explore initiatives to reduce the quantity of single use items used by the Council		May-22 Short - by March 2023	Reduction in Single Use products being purchased internally  Engage with PKC users and partners who use single use products and work towards a reduction, or outright ban  Single use products no longer available for procurement via in-house purchasing systems, apart for exempt use e.g. health care  In-house campaign highlighting alternatives to single use products  External campaign highlighting alternatives to single use products	Waste Services	H		Available	G	Ban on single use plastic cutlery, plastic straws, balloon sticks, food & beverage containers and cups for beverages came into force from June 2022.  We are up to date and compliant with Single Use Plastic ban and will now investigate and reduce other types of single use plastics.
Waste & Circular Economy	W19	Cross Cutting Theme/Strategic Action	Develop a Good Food Partnership and prepare a Good Food Strategy & Action Plan for Perth & Kinross.		Jun-22 Short - by March 2023	Elected Member & Stakeholder Engagement & Public Consultation	Waste Services	H		Still to be identified	A	Funding bid successful  Action Plan has been drafted and is in progress Recruiting a Good Food Project Officer to support work
Waste & Circular Economy	W20	Cross Cutting Theme/Strategic Action	Work with the Resources Management Association (RMAS) to decarbonise sector and liaise with the Business & Industry Group		Jul-22 Short - by March 2023	Plan agreed	Planning and Development	H		Still to be identified	A	Meeting with RMAS scheduled October 2022 and timeline to be finalised- Extend to 2022
Waste & Circular Economy	W21	Cross Cutting Theme/Strategic Action	Establish a Stakeholder Advisory Group to review & develop the Waste & Circular Economy Action Plan		Aug-22 Short - by March 2023	Plan reviewed	Waste Services	H		Still to be identified	R	Not actioned- Extend to 2022