



EAST AYRSHIRE COUNCIL

# Local Development Plan 2

# Environmental Report

2024

## Non-Technical Summary

### Purpose of the Environmental Report

- 1.1. East Ayrshire Council have produced this Environmental Report for the Local Development Plan 2 (LDP2) under the requirements of the Environmental Assessment (Scotland) Act 2005. A Strategic Environmental Assessment (SEA) addresses the effects that LDP2 is likely to have on the environment. The overarching aim of the SEA process is to protect, and where possible, enhance the environment of East Ayrshire as shown in Map 1.



**Map 1: The Extent of East Ayrshire**

**Map 1:** illustrates the extents of East Ayrshire in a simplistic form and details the settlements that are found within the authority boundary.

## Key Stages

- 1.2. The key stages of the SEA for a Local Development Plan are scoping, interim environmental report, environmental report and the post-adoption statement. Table 1 below sets out the timescales involved in preparing the Environmental Report and LDP2:

**Table 1: KEY LDP2 and SEA Stages**

Timescale	LDP/SEA Stage
Quarter 1 - 2019	<p><b>Preparation of the Scoping Environmental Report:</b></p> <ul style="list-style-type: none"> <li>❖ Gather comments/feedback from SEA Consultation Authorities</li> <li>❖ Submit Scoping Report to SEA Gateway.</li> </ul>
Quarter 4 2019 and Quarter 1 - 2020	<p><b>Preparation of the Interim Environmental Report and Main Issues Report (MIR):</b></p> <ul style="list-style-type: none"> <li>❖ Collate baseline environmental information (including information regarding European and international designations)</li> <li>❖ Consider comments received on the Scoping Report from Consultation Authorities and refine the methodology.</li> <li>❖ Undertake a Stage 1 Assessment of the MIR by environmentally appraising the preferred and alternative options (including the identification of potential sites and subsequent environmental implications of inclusion within LDP2).</li> </ul>
Quarter 2 - 2020	<p><b>Publication and consultation period on Interim Environmental Report and MIR (minimum of 6 weeks):</b></p> <ul style="list-style-type: none"> <li>❖ Publish Interim Environmental Report and MIR documents for public consultation. Consultation period held between the 1<sup>st</sup> June 2020 – 31<sup>st</sup> July 2020.</li> <li>❖ Submit documents to SEA Gateway</li> <li>❖ Continue to consider implications of main issues</li> <li>❖ Consider comments received</li> <li>❖ Environmentally appraise the Proposed Plan</li> <li>❖ Make the necessary amendments to the Environmental Report and assessment outcomes if required.</li> </ul>
Quarters 1, 2, 3 and 4 - 2021	<p><b>Preparation of the Proposed Local Development Plan:</b></p> <ul style="list-style-type: none"> <li>❖ Consider comments received from Interim Environmental Report and MIR</li> <li>❖ Consider comments from SEA Consultation Authorities on Interim Environmental Report</li> </ul>

	<ul style="list-style-type: none"> <li>❖ Undertake the preparation of policies and proposals of Proposed Plan by environmentally appraising proposed policies and sites.</li> <li>❖ LDP2 Main Issues Report is assessed against the SEA Objectives.</li> <li>❖ Assessment of alternatives to the preferred options for addressing the main issues are also assessed.</li> <li>❖ Requirements for mitigation and monitoring are reported.</li> </ul>
Quarter 1 – 4 2022	<p><b>Publication and consultation on the Proposed Plan and Environmental Report (Minimum of 6 weeks):</b></p> <ul style="list-style-type: none"> <li>❖ The Consultation Authorities will provide a response on the Environmental Report via the SEA Gateway within 12 weeks of receipt.</li> <li>❖ The Consultation Authorities will advise on the content of the Environmental Report and provide feedback which will be considered</li> <li>❖ Consultation period for proposed plan.</li> <li>❖ Prepare a summary of Schedule 4 documents (unresolved representations) and a report of conformity with participation statement</li> </ul>
Quarter 1 2023	<p><b>Submit Proposed Plan to Examination:</b></p> <ul style="list-style-type: none"> <li>❖ Consider response to Proposed Plan</li> <li>❖ Prepare a summary of Schedule 4 documents (unresolved representations) and a report of conformity with participation statement</li> <li>❖ Submit the Proposed Plan, Schedule 4 documents, proposed Action Programme and Statement of Conformity to the Scottish Ministers.</li> <li>❖ Advertise submission of the Proposed Plan.</li> <li>❖ Submit Environmental Report to Scottish Ministers.</li> <li>❖ Advertise submission of the Environmental Report.</li> </ul>
Quarter 4 2023	<p><b>Examination Report Issued:</b></p> <ul style="list-style-type: none"> <li>❖ Consider recommendations and prepare modifications</li> <li>❖ Environmentally appraise the modified Plan.</li> <li>❖ Make the appropriate alterations and accept all appropriate modifications.</li> </ul>
Quarter 1 - 2024	<p><b>Publish modifications and the Proposed Plan as modified:</b></p> <ul style="list-style-type: none"> <li>❖ Publish and send to Ministers revised Environmental Report</li> </ul>
Quarter 1 - 2024	<p><b>East Ayrshire Council adopts the Proposed Plan as LDP2</b></p>
Quarter 3 - 4 2024	<p><b>Publish Post-Adoption SEA Statement and submit to SEA Gateway</b></p>

## *Scoping Report*

- 1.3. The Scoping Report was submitted to the SEA Consultation Authorities in April 2019 which afforded them the opportunity to review the assessment methodology in terms of the appropriate evaluation of the plans proposals in advance of the Interim Environmental Report being prepared. Consultation feedback was in general agreement with the approach to be taken with some changes to terminology, additional questions added to SEA Objectives/Sub-Criteria and data representation. These comments have been summarised in Appendix 1.

## *Interim Environmental Report*

- 1.4. A Scoping Report was submitted to the consultation authorities through the SEA Gateway in April 2019. The Main Issues Report and associated Interim Environmental Report was submitted to the consultation authorities through the SEA Gateway, and open to public consultation from 1<sup>st</sup> June to 31<sup>st</sup> July 2020. Responses from the Consultation Authorities were received on the 31<sup>st</sup> July 2020. The Consultation Authorities comments have been taken into consideration in the preparation of this Environmental Report. Appendix 2 details our responses to the Consultation Authorities Comments.

## **SEA Environmental Topics**

- 1.5. The Environmental receptors that will be assessed are outlined in Table 2 below, grouped by Environmental Topic:

***Table 2: SEA Environmental Topics and Receptors***

<b>Environmental Topic</b>	<b>Receptors</b>
<b>Natural Features</b>	Landscape Biodiversity, Flora and Fauna Climatic factors
<b>Natural Resources</b>	Soil Air Water (including surface water, groundwater and GWDTE)
<b>Historic Environment</b>	Listed Buildings Conservation Areas Scheduled Monuments Archaeological Sites Gardens and Designed Landscapes Historic Battlefields
<b>Social Environment</b>	Health Population Material Assets (infrastructure, amenity and recreational open space i.e. parks etc)

## Context

1.6. The current East Ayrshire Local Development Plan (EALDP) was adopted in July 2017 and is now under review in accordance with Section 16 of the Planning etc. (Scotland) Act, now amended by the Planning (Scotland) Act 2019. The purpose of the Main Issues Report (MIR) was to identify key areas of change that have occurred since adoption of the previous plan, consider if the previous plan has achieved its aims, and to outline East Ayrshire Council's preferred and reasonable alternative options going forward with LDP2. The Proposed Plan (LDP2) now represents the Council's settled view and sets out how the Council want to see East Ayrshire develop over the next 10-20 years, providing a policy framework for all matters, including matters covered by the Minerals Local Development Plan (2020), which LDP2 will supersede.

1.7. The LDP2 will consist of the following:

- ✓ Spatial portrait of East Ayrshire as a Place
- ✓ Vision
- ✓ Aims
- ✓ Spatial Strategy centred around five key themes (*which will detail how the vision and aims will be realised*);
- ✓ Detailed policies and proposals to be utilised in the consideration of the development and use of land
- ✓ Settlement maps which illustrate spatially where development should be directed;
- ✓ Series of relevant schedules and lists
- ✓ Supplementary Guidance

## SEA Approach and Assessment Methodology

### Stage 1 – Assessment of Significance

1.8. The first stage involves using Matrix 1, below, the SEA objectives and the constraints shown on the Council's GIS system will be used to determine whether the identified impact is significant or not. All identified significant environmental impacts will be subject to further assessment under Stage 2.

Environmental Topics	What is the Environmental Impact?	Significance of Impact (Y/N/Unsure) Why? If no, could the impact become a significant cumulative or synergistic impact (y/n) why?
Natural Features		
Natural Resources		
Historic Environment		
Social Environment		

**Matrix 1: Stage 1 Assessment Matrix**

## Stage 2 – Detailed Assessment

- 1.9. Stage 2 assesses the identified significant impacts in greater detail using Matrix 2. The sub-criteria/questions will be used to provide a more detailed assessment which will identify what the significant environmental impacts are in relation to each of the individual environmental components screened into the assessment.

Environment Impact: Key			
Significant Positive	Significant Positive/Negative	Significant Negative	Neutral/Unknown

Environmental Topic	Component	Analysis of the Significant Environmental Impact	Mitigation/ Enhancement & Likely Impacts
Natural Features	Landscape	<i>Commentary to be provided in this column. Text will be colour coded depending on assessment outcome</i>	<i>Commentary to be provided in this column. Text will be colour coded depending on assessment outcome</i>
	Biodiversity, Flora and Fauna		
	Climate		
Natural Resources	Soil		
	Air		
	Water		
Historic Environment	Listed Buildings		
	Conservation Areas		
	Archaeological Sites/Areas		
	Gardens and Designed Landscapes		
	Scheduled Monuments		
	Historic Battlefields		
Social Environment	Population		
	Health		
	Material Assets		
Short, Medium or Long Term Impact	<i>Commentary to be provided in this column. Text will be colour coded depending on assessment outcome</i>		

**Matrix 2 – Stage 2 Assessment Matrix**

## Stage 2 – Site Proforma Assessment Sheet

1.10. All sites or proposals which have an assigned boundary and allocated within LDP2 have been assessed using the same method as outlined within Matrix 2 – Stage 2: Detailed Assessment, only this is layout in a different format. Utilising the Site Assessment Proforma suggested by NatureScot during the Scoping Report Consultation (shown in Appendix 9), an amended Site Proforma has been used to determine environmental impacts. This can be viewed in Appendix 10. Where fields have been removed, the questions contained within them have been incorporated into the SEA Objectives and Sub-Criteria/Questions (Appendix 5).

## Cumulative and Synergistic Assessments

1.11. The Stage 2 assessments will also assess the policy, proposal or site for cumulative and synergistic impacts.

## Environmental Assessment Findings

1.12. East Ayrshire Council have put together a summary of how LDP2 could affect the environment. This can be viewed in Table 3 and Table 4, below:

**Table 3: SEA Stage 1 Findings: Non-Technical Summary**

Policy	Assessed in Stage 1	Screened into Stage 2 Assessment
<b>Vision &amp; Aims</b>		
<b>Vision:</b> Vision Statement	Yes	No
<b>Aim 1:</b> Reduce the effects of climate change and contribute to net zero targets.	Yes	Yes
<b>Aim 2:</b> Create good quality and accessible places, which support the health and wellbeing of all our citizens	Yes	Yes
<b>Aim 3:</b> Stabilise East Ayrshire's population and stimulate population growth	Yes	Yes
<b>Aim 4:</b> Secure the provision of good quality housing to meet a wide range of needs, across all of East Ayrshire	Yes	Yes
<b>Aim 5:</b> Deliver new and improved infrastructure, including green and digital infrastructure, to assist in access to employment opportunities	Yes	Yes
<b>Aim 6:</b> Deliver economic recovery and growth in a sustainable and inclusive manner and ensure there is access to employment opportunities	Yes	No
<b>Aim 7:</b> Protect, enhance and capitalise on East Ayrshire's historic environment and cultural assets	Yes	Yes
<b>Aim 8:</b> Protect and enhance East Ayrshire's diverse natural environment and habitats and help tackle the nature crisis	Yes	Yes
<b>Aim 9:</b> Increase tourism opportunities, in particular those that protect, enhance and increase understand of East Ayrshire's rich biodiversity, landscape, history and cultural heritage	Yes	Yes

<b>Aim 10:</b> Recognise the changing face of retail whilst promoting our town centres as places where all members of the community can meet, work or be entertained	Yes	Yes
<b>Aim 11:</b> Safeguard workable resources of economic or conservation value	Yes	No
<b>Spatial Strategy</b>		
<b>SS1:</b> Climate Change	Yes	Yes
<b>SS2:</b> Overarching Policy	Yes	Yes
<b>SS3:</b> Central Scotland Green Network	Yes	Yes
<b>SS4:</b> Development of Vacant and Derelict Land	Yes	Yes
<b>SS5:</b> Coalfield Communities Landscape Partnership	Yes	Yes
<b>SS6:</b> Galloway and Southern Ayrshire Biosphere	Yes	No
<b>PROP 1:</b> South Central Kilmarnock	Yes	No
<b>SS7:</b> Development in South Central Kilmarnock	Yes	Yes
<b>SS8:</b> Ayrshire Growth Deal	Yes	No
<b>SS9:</b> Community Wealth Building	Yes	No
<b>SS10:</b> Skills and Employment	Yes	No
<b>PROP2:</b> Park & Ride at West Fenwick	Yes	Yes
<b>PROP3:</b> Park and ride at Glasgow Road, Kilmarnock	Yes	Yes
<b>PROP4:</b> Improvements to Bellfield Interchange and East	Yes	No
<b>PROP5:</b> Our Energy Masterplan	Yes	No
<b>PROP6:</b> Our Local Heat & Energy Efficiency Strategy	Yes	No
<b>SS11:</b> Making Space in Settlements for Green Energy	Yes	Yes
<b>SS12:</b> Woodland Creation	Yes	Yes
<b>Place &amp; Environment – Urban Design and Placemaking</b>		
<b>DES1:</b> Development Design	Yes	Yes
<b>LPP1:</b> Preparation of Local Place Plans	Yes	No
<b>LPP2:</b> Development within a Local Place Plan Area	Yes	Yes
<b>OS1:</b> Green and Blue Infrastructure	Yes	Yes
<b>Policy</b>	<b>Assessed in Stage 1</b>	<b>Screened into Stage 2 Assessment</b>
<b>OS2:</b> Safeguarded Open Space	Yes	Yes
<b>PLAY1:</b> Play Provision	Yes	Yes
<b>PROP7:</b> Play Sufficiency Assessment	Yes	No
<b>PLAY2:</b> Loss of Play Equipment and Outdoor Sports Facilities	Yes	Yes
<b>Place &amp; Environment – Historic Environment</b>		
<b>HE1:</b> Listed Buildings	Yes	Yes
<b>HE2:</b> Conservation Areas	Yes	Yes
<b>HE3:</b> Scheduled Monuments, Historic Battlefields and other Archaeological and Historic Environment Assets	Yes	Yes
<b>HE4:</b> Gardens and Designed Landscapes	Yes	Yes
<b>HE5:</b> Enabling Development	Yes	Yes
<b>Place &amp; Environment – Natural Environment</b>		
<b>NE1:</b> Protecting and Enhancing Landscape and Features	Yes	Yes
<b>NE2:</b> Development Impacts on Areas of Wild Land	Yes	Yes
<b>NE3:</b> Local Landscape Area	Yes	Yes
<b>NE4:</b> Nature Crisis	Yes	Yes
<b>NE5:</b> Protection of Areas of Nature Conservation Interest	Yes	Yes
<b>NE6:</b> Vulnerable, Threatened and Protected Species	Yes	Yes

<b>NE7:</b> Geodiversity and Geological Interest	Yes	Yes
<b>NE8:</b> Trees, Woodland, Forestry and Hedgerows	Yes	Yes
<b>NE9:</b> Woodland Creation	Yes	Yes
<b>NE10:</b> Protection of Agricultural Land	Yes	Yes
<b>NE11:</b> Soils	Yes	Yes
<b>NE12:</b> Water, Air, Light and Noise Pollution	Yes	Yes
<b>NE13:</b> Contaminated Land	Yes	Yes
<b>Communities and Housing - Housing</b>		
<b>RES1:</b> New Housing Developments	Yes	Yes
<b>RES2:</b> Affordable Housing	Yes	No
<b>RES3:</b> Residential Amenity	Yes	No
<b>RES4:</b> Compact Growth	Yes	Yes
<b>RES5:</b> Conversions to Residential Use	Yes	No
<b>RES6:</b> Gypsy Travellers' Sites	Yes	Yes
<b>RES7:</b> Non-Permanent Dwellings	Yes	No
<b>Communities and Housing – Rural Housing</b>		
<b>RH1:</b> Housing in the Rural Protection Area	Yes	Yes
<b>RH2:</b> Housing in the Rural Diversification Area	Yes	Yes
<b>RH3:</b> Rural Housing Clusters	Yes	Yes
<b>RH4:</b> Housing for Agricultural Workers and Other Rural Enterprises	Yes	No
<b>RH5:</b> Rural Housing Development	Yes	Yes
<b>Economy and Employment – Town Centres</b>		
<b>TC1:</b> Supporting Development in Centres	Yes	Yes
<b>TC2:</b> Town Centre First Assessment	Yes	Yes
<b>TC3:</b> Small scale retail development in out-of-centre locations	Yes	Yes
<b>TC4:</b> Town Centre Living	Yes	Yes
<b>Policy</b>	<b>Assessed in Stage 1</b>	<b>Screened into Stage 2 Assessment</b>
<b>TC5:</b> Residential Amenity in Town Centres	Yes	No
<b>Economy and Employment – Business and Industry</b>		
<b>IND1:</b> Business and Industrial Development	Yes	No
<b>IND2:</b> Business and Industrial Development in Rural Areas	Yes	Yes
<b>IND3:</b> Alternative Use of Business and Industrial Land or Premises	Yes	No
<b>IND4:</b> Working from Home	Yes	No
<b>Economy and Employment – Tourism</b>		
<b>TOUR1:</b> Tourism Development	Yes	Yes
<b>TOUR2:</b> Tourism Accommodation	Yes	No
<b>TOUR3:</b> Rural Sporting, Leisure and Recreational Activities	Yes	No
<b>TOUR4:</b> The Dark Sky Park	Yes	No
<b>TOUR5:</b> Loss of Tourist Facilities	Yes	No
<b>TOUR6:</b> Loudoun Castle Estate Garden and Designed Landscape	Yes	Yes
<b>Infrastructure – Digital Infrastructure</b>		
<b>INF1:</b> Infrastructure First	Yes	No
<b>INF2:</b> Installation of Fibre Broadband for New Developments	Yes	No
<b>INF3:</b> Installation of Digital Communications Infrastructure	Yes	Yes
<b>Infrastructure – Developer Contributions</b>		

<b>INF4:</b> Developer Contributions	Yes	No
<b>Infrastructure – Promoting Sustainable Transport</b>		
<b>T1:</b> Transport requirement in new development	Yes	Yes
<b>T2:</b> 20 Minute Neighbourhoods	Yes	Yes
<b>T3:</b> Transportation of Freight	Yes	Yes
<b>T4:</b> Development and protection of core paths and other routes	Yes	Yes
<b>T5:</b> Charging Infrastructure for electric vehicles	Yes	Yes
<b>Energy and Resources – Supporting Renewable Energy</b>		
<b>RE1:</b> Renewable Energy	Yes	Yes
<b>RE2:</b> Heat and Cooling	Yes	Yes
<b>RE3:</b> Low and Zero Carbon Buildings	Yes	Yes
<b>Energy and Resources – Minerals</b>		
<b>MIN1:</b> Sterilisation of Workable Minerals Resources	Yes	No
<b>MIN2:</b> Extraction of Minerals	Yes	Yes
<b>MIN3:</b> Minerals Restoration and Placemaking	Yes	Yes
<b>MIN4:</b> Protecting Communities	Yes	Yes
<b>MIN5:</b> Protecting Residential Amenity	Yes	Yes
<b>MIN6:</b> Duration of Extraction Period	Yes	Yes
<b>MIN7:</b> Borrow pits	Yes	Yes
<b>MIN8:</b> Reworking of Waste Spoils Tips	Yes	Yes
<b>MIN9:</b> Extraction of Secondary Aggregates	Yes	Yes
<b>Energy and Resources – Sustainable Waste Management</b>		
<b>WM1:</b> Waste Management in New Development	Yes	Yes
<b>WM2:</b> Development & the Circular Economy	Yes	Yes
<b>WM3:</b> Waste Management Facilities	Yes	Yes
<b>WM4:</b> Recovery of Energy from Waste	Yes	Yes
<b>Policy</b>	<b>Assessed in Stage 1</b>	<b>Screened into Stage 2 Assessment</b>
<b>Financial Guarantees</b>		
<b>FIN1:</b> Financial Guarantees	Yes	No
<b>Climate Resilience</b>		
<b>CR1:</b> Flood Risk Management	Yes	Yes
<b>CR2:</b> Emissions	Yes	No
<b>CR3:</b> Carbon Sequestration	Yes	Yes

## Stage 2 Assessment Results: Non-Technical Summary

- 1.13. Table 4 summarises the overall outcomes of Stage 2 Assessments. For a more detailed summary of Stage 2 outcomes, see the main body of the Report and Appendix 7 and 8.

**Table 4: Stage 2 Assessment Results (Policies & Proposals):  
Non-Technical Summary**

LDP2 Policy Stage 2 Assessment Results	Overall Impact (Average)
<b>Vision &amp; Aims</b>	
<b>Aim 1:</b> Reduce the effects of climate change and contribute to climate change targets.	Significant Positive
<b>Aim 2:</b> Create good quality and accessible places, which support the health and wellbeing of all our citizens	Significant Positive
<b>Aim 3:</b> Stabilise East Ayrshire's population and stimulate population growth	Unknown
<b>Aim 4:</b> Secure the provision of good quality housing to meet a wide range of needs, across all of East Ayrshire	Significant Positive
<b>Aim 5:</b> Deliver new and improved infrastructure, including green and digital infrastructure, to assist in access to employment opportunities	Significant Positive /Negative
<b>Aim 7:</b> Protect, enhance and capitalise on East Ayrshire's historic environment and cultural assets	Significant Positive /Negative
<b>Aim 8:</b> Protect and enhance East Ayrshire's diverse natural environment and habitats and help tackle the nature crisis	Significant Positive
<b>Aim 9:</b> Increase tourism opportunities, in particular those that protect, enhance and increase understand of East Ayrshire's rich biodiversity, landscape, history and cultural heritage	Significant Positive / Negative
<b>Aim 10:</b> Recognise the changing face of retail whilst promoting our town centres as places where all members of the community can meet, work or be entertained	Significant Positive
<b>Spatial Strategy</b>	
<b>SS1:</b> Climate Change	Significant Positive
<b>SS2:</b> Overarching Policy	Significant Positive
<b>SS3:</b> Central Scotland Green Network	Significant Positive
<b>SS4:</b> Development of Vacant and Derelict Land	Significant Positive
<b>SS5:</b> Coalfield Communities Landscape Partnership	Significant Positive
<b>SS7:</b> Development in South Central Kilmarnock (PROP1)	Significant Positive/ Negative
<b>PROP2:</b> Park & Ride at West Fenwick	Significant Positive/ Negative
<b>PROP3:</b> Park and ride at Glasgow Road, Kilmarnock	Significant Positive / Negative
<b>SS11:</b> Making Space in Settlements for Green Energy	Significant Positive
<b>SS12:</b> Strategic Woodland Creation	Significant Positive
<b>Place &amp; Environment – Urban Design and Placemaking</b>	
<b>DES1:</b> Development Design	Significant Positive

<b>LPP2:</b> Development within a Local Place Plan area	Unknown
<b>OS1:</b> Green and Blue Infrastructure	Significant Positive
<b>OS2:</b> Safeguarded Open Space	Significant Positive
<b>PLAY1:</b> Play Provision	Significant Positive
<b>PLAY2:</b> Loss of Play Equipment and Outdoor Sports Facilities	Significant Positive
<b>Place &amp; Environment – Historic Environment</b>	
<b>HE1:</b> Listed Buildings	Significant Positive / Negative
<b>HE2:</b> Conservation Areas	Significant Positive
<b>HE3:</b> Scheduled Monuments, Historic Battlefields and other Archaeological and Historic Environment Assets	Significant Positive
<b>HE4:</b> Gardens and Designed Landscapes	Significant Positive
<b>HE5:</b> Enabling Development	Significant Positive / Negative
<b>Place &amp; Environment – Natural Environment</b>	
<b>NE1:</b> Protecting and Enhancing Landscape and Features	Significant Positive
<b>NE2:</b> Development Impacts on Areas of Wild Land	Significant Positive / Negative
<b>NE3:</b> Local Landscape Area	Significant Positive
<b>NE4:</b> Nature Crisis	Significant Positive
<b>NE5:</b> Protection of Areas of Nature Conservation Interest	Significant Positive
<b>NE6:</b> Vulnerable, Threatened and Protected Species	Significant Positive
<b>NE7:</b> Geodiversity and Geological Interest	Significant Positive / Negative
<b>NE8:</b> Trees, Woodland, Forestry and Hedgerows	Significant Positive
<b>NE9:</b> Woodland Creation	Significant Positive / Negative
<b>NE10:</b> Protection of Prime-Quality Agricultural Land	Significant Positive
<b>NE11:</b> Soils	Significant Positive / Negative
<b>NE12:</b> Water, Air, Light and Noise Pollution	Significant Positive
<b>NE13:</b> Contaminated Land	Significant Positive
<b>Communities and Housing - Housing</b>	
<b>RES1:</b> New Housing Developments	Significant Positive / Negative
<b>RES4:</b> Compact Growth	Significant Positive
<b>RES6:</b> Gypsy Travellers' Sites	<b>Significant Negative</b>
<b>Communities and Housing – Rural Housing</b>	
<b>RH1:</b> Housing in the Rural Protection Area	<b>Significant Negative</b>
<b>RH2:</b> Housing in the Rural Diversification Area	<b>Significant Negative</b>

<b>RH3:</b> Rural Housing Clusters	Significant Positive / Negative
<b>RH5:</b> Rural Housing Development	Significant Positive / Negative
<b>Economy and Employment – Town Centres</b>	
<b>TC1:</b> Supporting Development in Centres	Significant Positive / Negative
<b>TC2:</b> Town Centre First Assessment	Significant Positive
<b>TC3:</b> Small scale retail development in out-of-centre locations	Significant Positive / Negative
<b>TC4:</b> Town Centre Living	Significant Positive / Negative
<b>Economy and Employment – Business and Industry</b>	
<b>IND2:</b> Business development in the Rural Area	<b>Significant Negative</b>
<b>Economy and Employment – Tourism</b>	
<b>TOUR1:</b> Tourism Development	Significant Positive / Negative
<b>TOUR6:</b> Loudoun Castle Estate Garden and Designed Landscape	Significant Positive / Negative
<b>Infrastructure – Promoting Sustainable Transport</b>	
<b>Policy T1:</b> Transport requirements in New Development	Significant Positive
<b>Policy T2:</b> 20-Minute Neighbourhoods	Significant Positive
<b>Policy T3:</b> Transport of Freight	Significant Positive / Negative
<b>Policy T4:</b> Development and Protection of Core Paths and other routes	Significant Positive / Negative
<b>Policy T5:</b> Charging Infrastructure for electric vehicles	Significant Positive
<b>Energy and Resources – Supporting Renewable Energy</b>	
<b>Policy RE1:</b> Renewable Energy	Unknown
<b>Policy RE2:</b> Heat and Cooling	Unknown
<b>Policy RE3:</b> Low and Zero Carbon Buildings	Significant Positive
<b>Energy and Resources – Minerals</b>	
<b>MIN2:</b> Extraction of Minerals	<b>Significant Negative</b>
<b>MIN3:</b> Minerals Restoration and Placemaking	Significant Positive
<b>MIN4:</b> Protecting Communities	Significant Positive
<b>MIN5:</b> Protecting Residential Amenity	Significant Positive
<b>MIN6:</b> Duration of Extraction Period	Significant Positive
<b>MIN7:</b> Borrow pits	Significant Positive / Negative
<b>MIN8:</b> Reworking of Waste Spoils Tips	Significant Positive
<b>MIN9:</b> Extraction of Secondary Aggregates	Significant Positive / Negative

<b>Energy and Resources – Sustainable Waste Management</b>	
<b>WM1:</b> Waste Management in New Development	Significant Positive / Unknown
<b>WM2:</b> Development & the Circular Economy	Significant Positive
<b>WM3:</b> Waste Management Facilities	Significant Positive / Negative
<b>WM4:</b> Recovery of Energy from Waste	Significant Positive / Negative
<b>Climate Resilience</b>	
<b>CR1:</b> Flood Risk Management	Significant Positive
<b>CR3:</b> Carbon Sequestration	Unknown

**Table 5: Stage 2 Assessment Results (Development Opportunity Sites):**

**Non-Technical Summary**

Ref No	Site Address/Location	Overall Impact (Average)
<b>Residential</b>		
AL-H1	Coal Road, Auchinleck	Significant Positive / Negative
AL-H2	Dalsalloach Wood, Auchinleck	Significant Positive / Negative
AL-H3	School Road, Auchinleck	Significant Positive / Negative
BS-H1	Burnside (West), Burnside	<b>Significant Negative</b>
BS-H2	Burnside (North), Burnside	<b>Significant Negative</b>
CA-H1	John Street (East), Catrine	Significant Positive / Negative
CA-H2	John Street (West), Catrine	Significant Positive / Negative
CA-H3	Mill Street, Catrine	Significant Positive / Negative
CA-H4	Shawwood Farm, Catrine	Significant Positive / Negative
CR-H1	Grougar Road (East), Crookedholm	Significant Positive / Negative
CH-H1	Gatehead Road, Crosshouse	Significant Positive / Negative
CH-H2	Holm Farm, Crosshouse	Significant Positive / Negative
CH-H3	Irvine Road, Crosshouse	Significant Positive / Negative
CN-H1	Auchinleck Road, Cumnock	Significant Positive / Negative
CN-H2	Barrhill Road, Cumnock	Significant Positive / Negative
CN-H3	Dalgleish Avenue, Cumnock	Significant Positive / Negative
CN-H4	Ryderston Avenue, Cumnock	Significant Positive / Negative
DA-H1	Ayr Road, Dalmellington	Significant Positive / Negative
DA-H2	Gateside Road, Dalmellington	<b>Significant Negative</b>
DA-H3	High Street, Dalmellington	Significant Positive / Negative
DR-H1	Burnton Road, Dalrymple	Significant Positive / Negative
DL-H1	Burn Road, Darvel	Significant Positive / Negative
DL-H2	Crofthead, Priestland	Significant Positive / Negative
DL-H3	Jamieson Road, Darvel	Significant Positive / Negative
DL-H4	West Donnington Street, Darvel	Significant Positive / Negative
DG-H1	Martnaham Way, Drongan	Significant Positive / Negative
DG-H2	Mill O'Shield Road, Drongan	Significant Positive / Negative

<b>DU-H1</b>	West View Terrace, Dunlop	Significant Positive / Negative
<b>FW-H1</b>	Bowling Green Road, Laigh Fenwick	Significant Positive / Negative
<b>FW-H2</b>	Main Road, Fenwick	Significant Positive / Negative
<b>FW-H3</b>	Stewarton Road, Fenwick	Significant Positive / Negative
<b>GA-H1</b>	Belvedere View, Galston	Significant Positive / Negative
<b>GA-H2</b>	Bewland Street, Galston	Significant Positive / Negative
<b>GH-H1</b>	Main Road, Gatehead	Significant Positive / Negative
<b>HU-H1</b>	Galston Road, Hurlford	Significant Positive / Negative
<b>KK-H1</b>	Altonhill, Kilmarnock	Significant Positive / Negative
<b>KK-H2</b>	Bridgehousehill, Kilmarnock	Significant Positive / Negative
<b>KK-H3</b>	Fardalehill (East), Kilmarnock	Significant Positive / Negative
<b>KK-H4</b>	Fardalehill (West), Kilmarnock	Significant Positive / Negative
<b>KK-H5</b>	Glasgow Road (East), Kilmarnock	Significant Positive / Negative
<b>KK-H6</b>	Glasgow Road (West), Kilmarnock	Significant Positive / Negative
<b>KK-H7</b>	Irvine Road, Kilmarnock	Significant Positive / Negative
<b>KK-H8</b>	Kennedy Drive, Kilmarnock	Significant Positive / Negative
<b>KK-H9</b>	Maxholm, Kilmarnock	Significant Positive / Negative
<b>KK-H10</b>	Moorfield, Kilmarnock	Significant Positive / Negative
<b>KK-H11</b>	Mount Pleasant Way/Hill Street, Kilmarnock	Significant Positive / Negative
<b>KK-H12</b>	Northcraigs, Kilmarnock	Significant Positive / Negative
<b>KK-H13</b>	Sutherland Drive, Kilmarnock	Significant Positive / Negative
<b>KK-H14</b>	Treesbank, Kilmarnock	Significant Positive / Negative
<b>KK-H15</b>	Western Road (South), Kilmarnock	Significant Positive / Negative
<b>KK-H16</b>	Western Road (North), Kilmarnock	Significant Positive / Negative
<b>KM-H1</b>	Crosshouse Road, Kilmaurs	Significant Positive / Negative
<b>KM-H2</b>	Habbieauld Road, Kilmaurs	Significant Positive / Negative
<b>KM-H3</b>	Irvine Road, Kilmaurs	Significant Positive / Negative
<b>KM-H4</b>	Standalane, Kilmaurs	Significant Positive / Negative
<b>KT-H1</b>	Southhook Road, Knockentiber	Significant Positive / Negative
<b>MA-H1</b>	Sorn Road, Mauchline	Significant Positive / Negative
<b>MA-H2</b>	Station Road (North), Mauchline	Significant Positive / Negative
<b>MA-H3</b>	Station Road (South), Mauchline	Significant Positive / Negative

<b>MK-H1</b>	Smallburn Road, Muirkirk	Significant Positive / Negative
<b>MK-H2</b>	Wellwood Street, Muirkirk	Significant Positive / Negative
<b>NC-H1</b>	Castle, New Cumnock	Significant Positive / Negative
<b>NC-H2</b>	Crown Hotel, New Cumnock	Significant Positive / Negative
<b>NC-H3</b>	Dalhanna Drive, New Cumnock	Significant Positive / Negative
<b>PA-H1</b>	Ayr Road, Patna	Significant Positive / Negative
<b>PA-H2</b>	Carskeoch Caravan Site, Patna	Significant Positive / Negative
<b>PA-H3</b>	Cemetery Road, Patna	Significant Positive / Negative
<b>PA-H4</b>	Main Street, Patna	Significant Positive / Negative
<b>ST-H1</b>	Draffen East, Stewarton	Significant Positive / Negative
<b>ST-H2</b> (PROP11)	Kilwinning Road, Stewarton	<b>Significant Negative</b>
<b>Business &amp; Industry</b>		
<b>AL-B1(O)</b>	High House Industrial Estate, Auchinleck	Significant Positive / Negative
<b>DL-B2(O)</b>	Jamieson Road, Darvel	Significant Positive / Negative
<b>HU-B1(O)</b>	Galston Road, Hurlford	Significant Positive / Negative
<b>KK-B6(O)</b>	Northcraig/Rowallan, Kilmarnock	Significant Positive / Negative
<b>MK-B1(O)</b>	Furnace Road Industrial Estate, Muirkirk	Significant Positive / Negative
<b>NM-B1(O)</b>	Brown Street, Newmilns	Significant Positive / Negative
<b>PA-B1(O)</b>	Ayr Road Industrial Site, Patna	Significant Positive / Negative
<b>RU-B2(O1)</b>	Kirklandside & Kaimshill (North)	Significant Positive / Negative
<b>RU-B2(O2)</b>	Kirklandside & Kaimshill (South)	Significant Positive / Negative
<b>RU-B3(O)</b>	Crowbandgate	Significant Positive / Negative
<b>ST-B1(O)</b>	Magbiehill, Stewarton	Significant Positive / Negative
<b>Miscellaneous</b>		
<b>AL-M1</b>	Former Auchinleck Academy, Auchinleck	Significant Positive / Negative
<b>AL-M1</b>	Templeton Roundabout, Auchinleck	<b>Significant Negative</b>
<b>BG-M1</b>	Bank School, Bank Glen	Significant Positive / Negative
<b>CA-M1</b>	Bridge Street, Catrine	Significant Positive / Negative
<b>CN-M1</b>	Caponacre, Cumnock	Significant Positive / Negative
<b>CN-M2</b>	Glaisnock Glen, Cumnock	Significant Positive / Negative
<b>DA-M1</b>	Croft Street, Dalmellington	Significant Positive / Negative
<b>DA-M2</b>	Doon Academy, Dalmellington	Significant Positive / Negative

<b>GA-M1</b>	Bridge Street, Galston	Significant Positive / Negative
<b>GA-M2</b>	Corner of Cross St, Galston	Significant Positive / Negative
<b>GA-M3</b>	Garden Street, Galston	Significant Positive / Negative
<b>KK-M1</b>	Former ABC Cinema, Titchfield Street, Kilmarnock	Significant Positive / Negative
<b>KK-M2</b>	Former Burlington Bertie's, Kilmarnock	Significant Positive / Negative
<b>KK-M3</b>	Wellington Street, Kilmarnock	Significant Positive / Negative
<b>KK-M4</b>	West Shaw Street, Kilmarnock	Significant Positive / Negative
<b>KK-M5</b>	Western Road (area centre), Kilmarnock	Significant Positive / Negative
<b>KK-M6</b>	Northcraigs, Kilmarnock	Significant Positive / Negative
<b>MK-M1</b>	Former Nursery School, Main Street, Muirkirk	Significant Positive / Negative
<b>MK-M2</b>	Carruthers Park, Muirkirk	Significant Positive / Negative
<b>NC-M1</b>	Castle, New Cumnock	Significant Positive / Negative
<b>NM-M1</b>	High Street, Newmilns	Significant Positive / Negative
<b>NM-M2</b>	Loudoun Road, Newmilns	Significant Positive / Negative
<b>RU-M1</b>	Barony Colliery, Near Ochiltree and Auchinleck	Significant Positive / Negative
<b>RU-M2</b>	Loudoun Castle, near Galston	Significant Positive / Negative
<b>RU-M3</b>	South of Moorfield, Kilmarnock	Significant Positive / Negative
<b>ST-M1</b>	Bridgend, Stewarton	Significant Positive / Negative
<b>ST-M2</b>	Kilwinning Road, Stewarton	Significant Positive / Negative
<b>Ayrshire Growth Deal</b>		
<b>CN-A1</b>	CoRE, Cumnock	Significant Positive / Negative
<b>KK-A1</b>	Ayrshire Engineering Park, Kilmarnock	Significant Positive / Negative
<b>KK-A2</b>	Balmoral Road/Hill Street, Kilmarnock	Significant Positive / Negative
<b>RU-A1</b>	Advanced Manufacturing Investment Corridor, Near Kilmarnock and Hurlford	Significant Positive / Negative
<b>Proposals</b>		
<b>PROP1</b>	South Central Kilmarnock, Kilmarnock (Policy SS8)	Significant Positive
<b>PROP2</b>	Park & Ride at West Fenwick, Near Fenwick	Significant Positive
<b>PROP3</b>	Park & Ride at Glasgow Road, Kilmarnock	Significant Positive
<b>PROP8</b>	Mount Carmel Primary School, Kilmarnock	Significant Positive / Negative
<b>PROP9</b>	Onthank Primary School, Kilmarnock	Significant Positive / Negative
<b>PROP10</b>	Altonhill/Fardalehill (West), Kilmarnock (KK-H1 & KK-H4)	Significant Positive / Negative
<b>PROP11</b>	Kilwinning Road, Stewarton (ST-H2)	<b>Significant Negative</b>

<b>PROP12</b>	Hillhead Primary School, Kilmarnock	Significant Positive / Negative
<b>Cemetery Extension</b>		
<b>CEM1</b>	Auchinleck Cemetery, Auchinleck	Neutral
<b>CEM2</b>	Catrine Cemetery, Catrine	Neutral
<b>CEM3</b>	Dalmellington Cemetery, Dalmellington	Neutral
<b>CEM4</b>	Dalrymple Cemetery, Dalrymple	Neutral
<b>CEM5</b>	Drongan Cemetery, Drongan	Neutral
<b>CEM6</b>	Fenwick Cemetery, Fenwick	Neutral
<b>CEM7</b>	Galston Cemetery, Galston	Neutral
<b>CEM8</b>	Kilmarnock Cemetery, Kilmarnock	Neutral
<b>CEM9</b>	Kilmaurs Cemetery, Kilmaurs	Neutral
<b>CEM10</b>	Mauchline Cemetery, Mauchline	Neutral
<b>CEM11</b>	Muirkirk Cemetery, Muirkirk	Neutral
<b>CEM12</b>	Riccarton Cemetery, near Kilmarnock	Neutral
<b>Waste Management Facilities</b>		
<b>CN-W1</b>	Caponacre HWRC & bulking facility, Cumnock	Significant Negative
<b>RU-W4</b>	Killoch Energy recovery Facility nr. Ochiltree	Significant Negative
<b>Future Growth Sites</b>		
<b>CH-F1(H)</b>	Kilmaurs Road, Crosshouse	Significant Positive / Negative
<b>DA-F1(H)</b>	Saw Mill, Dalmellington	Significant Positive / Negative
<b>DG-F1(H)</b>	Watson Terrace, Drongan	Significant Positive / Negative
<b>FW-F2(H)</b>	Waterslap Road, Fenwick	Significant Positive / Negative
<b>GA-F1(H)</b>	Maxwood Road, Galston	Significant Positive / Negative
<b>KK-F1(H)</b>	Caprington Golf Course, Kilmarnock	Significant Positive / Negative
<b>KK-F2(H)</b>	Land at Grassmillside, Kilmarnock	Significant Positive / Negative
<b>KM-F1(H)</b>	Crosshouse Road, Kilmaurs	Significant Positive / Negative
<b>MA-F1(H)</b>	Sorn Road (North), Mauhcline	Significant Positive / Negative

## Summary of Cumulative Impacts – Policies and Proposals

- 1.14. In general, for each individual spatial strategy policy and proposal, the significant cumulative impacts in terms of general assessment results were either significant positive or significant positive/negative. There were 7 policies which were identified that were likely to have significant negative cumulative environmental impacts: Aim 3, RES6, RH1, RH2, RH3, IND2 and MIN2. After mitigation negative impacts are reduced.
- 1.15. In general, the aims in terms of their impacts on individual environmental receptors were likely to have positive, neutral or unknown impacts, given their high level, overarching nature.
- 1.16. The implementation of the Spatial Strategy policies and proposals, in terms of their impacts on individual environmental receptors were likely to have largely significant positive impacts.
- 1.17. The implementation of the wider LDP2 policies, in terms of their impacts on individual environmental receptors were likely to have significant positive or significant positive/negative impacts. Where impacts are unknown or neutral, the implementation of mitigation is likely to result in significant positive or neutral impacts being experienced.
- 1.18. For further detail, see Section 8 of the Environmental Report.

## Summary of Cumulative Impacts – Development Sites

- 1.19. In general, the LDP2's identified development opportunity sites are considered to have individual significant positive/negative cumulative impacts.
- 1.20. There are 7 sites which may have largely significant negative impacts on environmental receptors: BS-H1, BS-H2, DA-H2, ST-H2 (PROP11), AL-B2(O), CN-W1 and RU-W4. There are 3 sites which may have largely significant positive impacts on most environmental receptors: PROP1 (Policy SS7), PROP2 and PROP3.
- 1.21. Overall, the implementation of the Proposed Plan development sites are likely to have significant positive/negative cumulative environmental impacts in terms of the original assessment but when the mitigation/enhancement measures were applied.

## Synergistic Impact Assessment

- 1.22. Synergistic impacts occur when the combination of individual and unrelated impacts combine to produce a different impact to the sum of the individual impacts concerned. Synergistic impacts are anticipated through the interrelationship of different plans, programmes and strategies as promoted by Council services e.g. a reduction in greenhouse gas emissions will positively impact on biodiversity conservation and protection and can also impact on air quality, by reducing pollution levels, which can lead to a reduction in asthma.
- 1.23. It is considered that there is potential for positive synergistic impacts across a number of criteria. These include:
- Policies intended to have positive impacts on landscape and protecting the character of the rural area, are also likely to have positive impacts on biodiversity, flora and fauna
  - Policies intended to reduce car usage and decrease emissions, will combine to have a positive impact on human health and population
  - Policies intended to have a positive impact on the economy and diversity of town centres, are also subsequently likely to have a positive impact on climatic factors and air quality through concentrating development in areas with good public transport and active travel links.
  - Policies intended to direct development to previously developed land and vacant and derelict sites, are also likely to have a positive impact on soils and climatic factors.
- 1.24. Removal of contaminated soil and water and redevelopment of brownfield land is also likely to have significant positive synergistic impacts on landscape, biodiversity, flora and fauna and health.

## Mitigation and Enhancement

- 1.25. Where the stage 2 assessments indicated that there were likely to be adverse impacts as a result of the spatial strategies, policies, proposals and development sites, mitigation measures were proposed to reduce the overall environmental impact to an acceptable or negligible level for each of the environmental receptors that are affected. The stage 2 assessments also propose enhancement measures where appropriate and, as with the mitigation measures, these are identified against the individual environmental receptors in the stage 2 assessments.

## Monitoring

- 1.26. The LDP2 vision, spatial strategy, proposals and development sites that are likely to have significant environmental impacts require to be monitored, to ensure that adverse and unforeseen impacts do not arise or can be easily identified and remedied. The proposed Monitoring Measures are provided in Table 6 below:

***Table 6: Monitoring Objectives and Targets***

Environmental Issues to be Monitored	Objective & Target	Monitoring Measures
Landscape & Geology	<ul style="list-style-type: none"> <li>❖ The landscape of East Ayrshire is protected and any alterations to its character and setting are avoided or minimised.</li> <li>❖ To monitor the impact of LDP2 on landscape within East Ayrshire:</li> <li>❖ To protect, enhance and where appropriate restore landscape, local distinctiveness and areas of value.</li> <li>❖ Avoid impacts on visually prominent areas.</li> <li>❖ Development is largely directed to brownfield sites, as greenfield development is likely to have negative impacts on biodiversity through the loss and/or fragmentation of habitats and species.</li> <li>❖ Geological resources and their settings within East Ayrshire are preserved.</li> </ul>	<ul style="list-style-type: none"> <li>❖ Implementation and effectiveness of MLDP Spatial Strategy, Environment policies</li> <li>❖ Monitoring of information contained within the East Ayrshire State of Environment Report 2019 (or any subsequent updated version(s)) relating to landscape including: <ul style="list-style-type: none"> <li>- number of national and local landscape designations in EA</li> <li>- Status and trends in designated landscapes in EA</li> <li>- Land use and development pressures on landscape: development types and locations</li> </ul> </li> </ul>
Biodiversity, Flora and Fauna	<ul style="list-style-type: none"> <li>❖ Enhance biodiversity across East Ayrshire.</li> <li>❖ Avoid the irreversible loss and fragmentation of valuable sites, areas of important green space, 'green' and 'blue' network features, protected species/habitats and green networks within East Ayrshire.</li> <li>❖ Natural Environment and open space policies will be utilised to protect and enhance Green networks.</li> <li>❖ Development is largely directed to brownfield sites, as greenfield development is likely to have negative impacts on biodiversity through the loss and/or fragmentation of habitats and species.</li> </ul>	<ul style="list-style-type: none"> <li>❖ Implementation and effectiveness of LDP2 Spatial Strategy, which is focused on improving our climate resilience (<b><i>sustainable travel and transport; energy and climate resilience as well as sustainability and green recovery</i></b>), alongside the <b>Place and Environment, natural environment, Infrastructure and Energy, Resources and Resilience policies</b></li> <li>❖ Monitoring of information contained within the East Ayrshire State of Environment Report 2019 (or any subsequent updated version(s)) relating to climate, including: <ul style="list-style-type: none"> <li>- assessment of greenhouse emissions</li> <li>- assessment of temperature and rainfall</li> <li>- number and location of wind farms in East Ayrshire (including information on operational sites, consented/under construction and planning applications)</li> </ul> </li> </ul>
Climate	<ul style="list-style-type: none"> <li>❖ To monitor the impact of LDP2 on air quality within East Ayrshire:</li> </ul>	<ul style="list-style-type: none"> <li>❖ Implementation and effectiveness of LDP2 Spatial Strategy, which is focused on improving our climate resilience (<b><i>sustainable travel and transport; energy and climate resilience as well as</i></b></li> </ul>

	<ul style="list-style-type: none"> <li>❖ Reduce climate change impacts in accordance with Scottish Government policy.</li> <li>❖ Reduce carbon emissions where possible.</li> <li>❖ To contribute towards the reduction GHG outputs in line with Government targets for net zero.</li> <li>❖ To improve East Ayrshire's resilience to a changing climate within new developments and established areas.</li> <li>❖ Remove and/or treat areas of contaminated land.</li> <li>❖ Protect prime quality agricultural land from loss.</li> </ul>	<p><b>sustainability and green recovery</b>), alongside the <b>Place and Environment, natural environment, Infrastructure and Energy, Resources and Resilience policies</b></p> <ul style="list-style-type: none"> <li>❖ Monitoring of information contained within the East Ayrshire State of Environment Report 2019 (or any subsequent updated version(s)) relating to climate, including: <ul style="list-style-type: none"> <li>- assessment of greenhouse emissions</li> <li>- assessment of temperature and rainfall</li> <li>- number and location of wind farms in East Ayrshire (including information on operational sites, consented/under construction and planning applications</li> </ul> </li> </ul>
Soil	<ul style="list-style-type: none"> <li>❖ To monitor the impact of LDP2 on soil across East Ayrshire.</li> <li>❖ To protect and enhance soil and land resources, such as peat and carbon rich soils, and restore degraded soils.</li> <li>❖ Where appropriate, use soil resources in a sustainable manner.</li> <li>❖ Reduce contamination and safeguard soil quality and quantity</li> <li>❖ No loss of prime or locally important agricultural land.</li> <li>❖ Allocations will be directed away from peat and carbon-rich soils.</li> <li>❖ Development should not involve the removal or disturbance of peat or be located on significantly important areas of peat (Class 1, 2, 3 and 5), raised bog or carbon rich soils.</li> <li>❖ Remediation and/or removal of contaminated land</li> <li>❖ Development directed to brownfield land, which will have positive impacts on soil quality.</li> <li>❖ No significant change or loss to the percentage of rural land.</li> </ul>	<ul style="list-style-type: none"> <li>❖ Implementation and effectiveness of LDP2 Natural Environment Policies: NE10, NE11 and NE13.</li> <li>❖ Monitoring of information contained within the East Ayrshire State of Environment Report 2016 (or any subsequent updated version(s)) relating to soils including: - assessment of superficial deposits and bedrock, in terms of soil degradation processes and degradation - location of peat and other carbon rich soils and classes associated in line with NatureScot Carbon and Peatland Map 2016</li> </ul>
Air	<ul style="list-style-type: none"> <li>❖ To monitor the impact of the LDP on air quality within East Ayrshire.</li> <li>❖ No increase in pollutants into the atmosphere.</li> </ul>	<ul style="list-style-type: none"> <li>❖ Implementation and effectiveness of relevant applicable LDP2 policies, including transport, natural environment, communities and housing, but more specifically policies T1, T2, T3, T4, INF1, RE1 and CR2.</li> <li>❖ Monitoring of information contained within the East Ayrshire State of Environment Report 2016 (or any subsequent updated version(s))</li> </ul>

		<p>relating to air including - Assessment of NO2 and PM10 - Number of AQMAs</p> <ul style="list-style-type: none"> <li>❖ Monitoring methods could involve school travel plans, traffic levels, parking rates and numbers in our town centres, number of new houses built out, usage data for sustainable transport and length new pedestrian cycle routes and pathways.</li> </ul>
Water	<ul style="list-style-type: none"> <li>❖ To monitor the impact of LDP2 on the water environment of East Ayrshire:</li> <li>❖ To manage and reduce flood risk and safeguard the environment from deterioration and where possible enhance water quality.</li> <li>❖ Reduce overall flood risk</li> <li>❖ No degradation of water quality.</li> <li>❖ No increase in the risk of flooding within East Ayrshire.</li> <li>❖ Protect water bodies and ground water</li> <li>❖ Allocated sites must be resilient to changes in climate and the water environment. This could include integrating SUDS, buffer strips, multifunctional open spaces and compensatory storage.</li> </ul>	<ul style="list-style-type: none"> <li>❖ Implementation and effectiveness of LDP2 policies, including DES1, OS1, OS2, CR1 and NE12</li> <li>❖ Monitoring of information contained within the East Ayrshire State of Environment Report 2016 (or any subsequent updated version(s)) relating to water including: <ul style="list-style-type: none"> <li>- location and status of surface water bodies in EA</li> <li>- location and status of superficial groundwater bodies in EA</li> <li>- Flood risk areas in EA and flood risk levels</li> <li>- surface water management plans in EA</li> </ul> </li> <li>❖ Review and monitor SEPA's database on the status of waterbodies.</li> <li>❖</li> </ul>
Historic Environment	<ul style="list-style-type: none"> <li>❖ To monitor the impact of the LDP on the historic environment.</li> <li>❖ All historic features and their setting are protected from inappropriate development within East Ayrshire.</li> <li>❖ Development shall not adversely affect the landscape of townscape.</li> <li>❖ Reduced number of historic buildings registers as "at risk".</li> </ul>	<ul style="list-style-type: none"> <li>❖ Implementation and effectiveness of LDP2 historic environment policies HE1-HE4.</li> <li>❖ Monitoring of information contained within the East Ayrshire State of Environment Report 2016 (or any subsequent updated version(s)) relating to cultural heritage including: - number and location of historic environment sites in EA - Listed buildings considered at 'risk' - Trends and pressures on historic environment and impacts</li> <li>❖ The completion of a conservation area appraisal is a key factor in safeguarding conservation areas. LDP2 plans to undertake a CAA for Stewarton and London Road Outstanding Conservation (Kilmarnock). These will give an up to date assessment of the character and condition of CAs</li> <li>❖ Utilising details of planning consents granted where schedules ancient monuments are affected.</li> <li>❖ Utilising details of planning consents granted where sites on the inventory gardens and designed landscapes are affected – this will help to identify if negative impacts have been experienced and if the integrity of this area has been preserved.</li> <li>❖ Liaison with Historic Environment Scotland may be required.</li> </ul>

		<ul style="list-style-type: none"> <li>❖ Utilising details of planning consents granted where sites on the inventory historic battlefields are affected – this will help to identify if negative impacts have been experienced and if the integrity of this area has been preserved.</li> </ul>
Population & Human Health	<ul style="list-style-type: none"> <li>❖ To monitor the impact of the LDP on human health and local communities.</li> <li>❖ Ensure that developments are sustainably located and that development takes place where it can be accommodated.</li> <li>❖ Removal and treatment of contaminated land</li> <li>❖ Redevelopment of vacant and derelict land</li> <li>❖ Reduce waste through maximising the reuse, recycling and recovery of resources</li> <li>❖ New developments are located within a walkable distance of basic amenities and public transportation routes.</li> <li>❖ No excessive air, water, noise or light pollution for new developments</li> </ul>	<ul style="list-style-type: none"> <li>❖ Implementation and effectiveness of LDP2 policies, including but not limited to: SS1, SS2, SS3, DES1, OS1, OS2, PLAY1, RES1, RH1-RH3, T1-T5.</li> <li>❖ Monitoring of information contained within the East Ayrshire State of Environment Report 2016 (or any subsequent updated version(s)) relating to human health, including <ul style="list-style-type: none"> <li>- life expectancy in EA</li> <li>- causes of death and death rates in EA</li> <li>- chronic disease rates and trends in EA</li> <li>- environment/neighbourhood quality</li> <li>- percentage of populations in EA living within 500m of a derelict site</li> </ul> </li> <li>❖ Utilise the latest population and household projects</li> </ul>
Material Assets	<ul style="list-style-type: none"> <li>❖ To monitor the impact of the LDP on areas of protected green space and on paths and cycle routes.</li> <li>❖ No loss of protected open space, playing fields, recreational open spaces and play provision</li> <li>❖ Improve the design quality of the built environment</li> <li>❖ Increase the quality, quantity and connectivity of multi-functional green and blue infrastructure</li> <li>❖ Enable improved connectivity of public transport</li> <li>❖ Ensure that there is no loss of protected open space, playing fields, and other important recreational open spaces within East Ayrshire.</li> <li>❖ Developments should use low carbon materials and construction methods and should embrace renewable</li> </ul>	<ul style="list-style-type: none"> <li>❖ No loss of protected open space, playing fields, and other important recreational open space within East Ayrshire.</li> <li>❖ Master planning of new sites in East Ayrshire will ensure that habitat links are maintained and enhanced.</li> <li>❖ Shortfalls in infrastructure will be identified.</li> <li>❖ Ensure that development in areas with limited-to-no capacity area delayed until the necessary infrastructure is in place. Where additional infrastructure is not possible, planning applications should not be permitted until mitigation measures and improvements are agreed.</li> <li>❖ Developer contributions will be sought towards infrastructure improvements in terms of road</li> <li>❖ Implementation and effectiveness of LDP2 policies, including but not limited to DES1, OS1, OS2, PLAY1, PLAY2, CR1, HE1-HE4, T1 and T4.</li> <li>❖ Monitoring of information contained within the East Ayrshire State of Environment Report 2016 (or any subsequent updated version(s)) relating to material assets including: <ul style="list-style-type: none"> <li>- existing transport infrastructure in EA</li> <li>- accessibility in EA, in terms of core paths and rights of way: amount of routes and locations</li> </ul> </li> </ul>

		<ul style="list-style-type: none"><li>- amount and distribution of open space in EA</li><li>- employment and employment sector information in EA</li><li>❖ Utilise Scottish transport statistics.</li></ul>
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## **Next Steps**

- 1.27. Following the adoption of Local Development Plan 2 and publication of this associated Environmental Report, the Council will need to publish a Post-Adoption SEA Statement which will be submitted to the SEA Gateway.
- 1.28. Following the adoption of the Local Development Plan 2, the Council will be responsible for implementing the contents of the LDP2 and monitoring its potential impacts.



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