

Tuesday, 06 June 2023

Dear Councillor

Climate Change and Sustainability Committee

The Members listed below are requested to attend a meeting of the Committee to be held as follows:-

Date: Wednesday, 14 June 2023

Time: 10:00

Venue: Hybrid - Committee Room 1, Council Offices, Almada Street, Hamilton,

ML3 0AA

The business to be considered at the meeting is listed overleaf.

Yours sincerely

Cleland Sneddon Chief Executive

Members

Mark McGeever (Chair), Kirsten Robb (Depute Chair), Joe Fagan (ex officio), Alex Allison, John Anderson, Ralph Barker, Janine Calikes, Maureen Chalmers, Ross Clark, Margaret Cooper, Colin Dewar, Ross Gowland, Lynsey Hamilton, Gavin Keatt, Ross Lambie, Richard Lockhart, Katy Loudon, Julia Marrs, Monique McAdams, Lesley McDonald, Elaine McDougall, Carol Nugent, Mo Razzaq, John Ross, Graham Scott, Bert Thomson, Margaret B Walker

Substitutes

Walter Brogan, Robert Brown, Andy Carmichael, Gerry Convery, Poppy Corbett, Andrea Cowan, Allan Falconer, Gladys Ferguson-Miller, Elise Frame, Mark Horsham, Martin Hose, Richard Nelson, David Watson

BUSINESS

1 Declaration of Interests

2 Minutes of Previous Meeting

3 - 6

Minutes of the meeting of the Climate Change and Sustainability Committee held on 26 April 2023 submitted for approval as a correct record. (Copy attached)

Item(s) for Decision

3 Update on South Lanarkshire Council Motion to 'Cut Fuel Bills, Cut 7 - 16 Carbon Emissions, Kick Start the Green Economy'

Joint report dated 25 May 2023 by the Executive Directors (Housing and Technical Resources) and (Community and Enterprise Resources). (Copy attached)

4 Area Wide Emissions Route Map

17 - 52

Report dated 25 May 2023 by the Executive Director (Community and Enterprise Resources). (Copy attached)

Item(s) for Noting

5 The Role of Planning and Building Standards

53 - 58

Report dated 24 May 2023 by the Executive Director (Community and Enterprise Resources). (Copy attached)

Urgent Business

6 Urgent Business

Any other items of business which the Chair decides are urgent.

Clerk Name:	Susan Somerville
Clerk Telephone:	07557 323097
Clerk Email:	susan.somerville@southlanarkshire.gov.uk

CLIMATE CHANGE AND SUSTAINABILITY COMMITTEE

2

Minutes of meeting held via Confero and in Committee Room 1, Council Offices, Almada Street, Hamilton on 26 April 2023

Chair:

Councillor Mark McGeever

Councillors Present:

Councillor Alex Allison, Councillor John Anderson, Councillor Ralph Barker, Councillor Maureen Chalmers, Councillor Ross Clark, Councillor Margaret Cooper, Councillor Colin Dewar, Councillor Elise Frame (substitute for Councillor Dr Ali Salamati), Councillor Ross Gowland, Councillor Lynsey Hamilton, Councillor Mark Horsham (substitute for Councillor Janine Calikes), Councillor Gavin Keatt, Councillor Ross Lambie, Councillor Katy Loudon, Councillor Julia Marrs, Councillor Lesley McDonald, Councillor Elaine McDougall, Councillor Carol Nugent, Councillor Kirsten Robb (Depute), Councillor John Ross, Councillor Graham Scott

Councillors' Apologies:

Councillor Janine Calikes, Councillor Joe Fagan (ex officio), Councillor Richard Lockhart, Councillor Monique McAdams, Councillor Monique McAd

Attending:

Community and Enterprise Resources

D Booth, Executive Director; K Allan, Sustainable Development Officer; A Brown, Head of Enterprise and Sustainable Development; F Carlin, Head of Planning and Regulatory Services; K Carr, Head of Facilities, Waste and Grounds; D Gibson, Fleet Manager; S Laird, Engineering Manager; C Park, Head of Roads and Transportation Services; J Richmond, Carbon Management Officer; G Simpson, Development Officer

Housing and Technical Resources

J Forbes, Head of Property Services; S Turner, Section Leader (Legislative)

Finance and Corporate Resources

T Little, Head of Communications and Strategy; P MacRae, Administration Adviser; K McLeod, Administration Assistant

1 Declaration of Interests

No interests were declared.

2 Minutes of Previous Meeting

The minutes of the meeting of the Climate Change and Sustainability Committee held on 8 February 2023 were submitted for approval as a correct record.

The Committee decided: that the minutes be approved as a correct record.

3 Climate Change Milestones and Position Statement

A report dated 6 April 2023 by the Executive Director (Community and Enterprise Resources) was submitted providing information on the key national milestones relating to Scotland's climate change and net zero ambitions.

The statutory framework for climate action and reporting was outlined in the Climate Change (Scotland) Act 2009 and the Climate Change (Public Duties) (Scotland) Act. Section 44 of Part 4 of the Climate Change (Scotland) Act 2009 came into force on 1 January 2011 and stated that a public body must, in exercising its functions, act in a way:-

- best calculated to contribute to the delivery of Scotland's national emissions reduction targets
- ♦ best calculated to help deliver Scotland's statutory climate change adaptation programme
- that it considered was most sustainable

All public bodies listed in Schedule 1 of the Climate Change (Duties of Public Bodies: Reporting Requirements) (Scotland) Order 2015, as amended by the Climate Change (Duties of Public Bodies: Reporting Requirements) (Scotland) Amendment Order 2020, were required to report annually on compliance with climate change duties established under Section 44 of the Climate Change (Scotland) Act 2009 and in accordance with Schedule 2 of the 2015 Order.

The key milestones relating to Scotland's national climate change ambitions were detailed in Appendix 1 to the report. The list, while not exhaustive, detailed key categories which were instrumental to achieving Scotland's climate change ambitions. Those were:-

- buildings
- transport
- waste
- energy
- agriculture and land use
- biodiversity and nature
- mitigation and adaptation

A high-level position statement outlining the Council's ongoing progress towards Scotland's national climate change milestones was detailed at Appendix 2 to the report. The position statement had been prepared in consultation with Resources within the Council.

An update on progress would be submitted to a future meeting of the Committee and would outline the overall achievability of Scotland's climate change milestones.

There followed a discussion during which officers:-

- responded to members' questions on various aspects of the report
- undertook to submit a report to a future meeting of the Committee highlighting the financial implications in working towards and meeting the key national milestones relating to Scotland's climate change and net zero ambitions

The Committee decided: that the key climate change milestones and the Council's current position statement be noted.

Councillor Chalmers joined the meeting during consideration of the above item of business

4 Current Energy Efficiency and Sustainability Standards Within New Council Properties

A joint report dated 3 April 2023 by the Executive Directors (Community and Enterprise Resources) and (Housing and Technical Resources) was submitted on the current energy efficiency and sustainability standards achieved within the Council's new domestic and non-domestic properties.

At its meeting on 30 November 2022, the Executive Committee approved a new target of 1,300 additional council homes to be delivered by the end of 2027/2028. This target was anticipated to be achieved through a combination of new build properties and the purchase of existing former council properties.

At its meeting on 7 December 2022, South Lanarkshire Council approved a motion requiring consideration of opportunities to improve energy efficiency and sustainability standards within the Council's domestic and non-domestic estate. Opportunities to progress this within existing budgets and resources were currently being considered and a report would be submitted to an early future meeting of the Committee.

A range of key Council strategies and plans highlighted actions and measures to improve the sustainability associated with the Council's domestic and non-domestic estate.

The new council homes built since 2017, and those currently being delivered as part of the new target, generally achieved the 'bronze level of sustainability', with certain aspects achieving the 'silver standard' including those relating to both carbon dioxide emissions and Energy for Space Heating. Details of the standards were provided in Appendix 1 to the report.

The Council did not have a significant new build programme for its non-domestic properties. The last significant programme involving new or replacement non-domestic properties was the Council's primary schools' modernisation programme, implemented between 2004 and 2019. As part of this programme, a range of energy efficiency and sustainability measures were considered and implemented in the 125 buildings that were replaced, details of which were provided in the report.

The Council would continue to maximise opportunities to enhance sustainability within its new domestic and non-domestic properties.

A range of developments were currently being progressed at a national and local level which could result in changes to the statutory and non-statutory requirements or guidance the Council required to adhere to in relation to its new buildings.

Officers responded to members' questions on various aspects of the report.

The Committee decided: that the current energy efficiency and sustainability

standards achieved within the Council's own new and non-

domestic properties be noted.

[Reference: Minutes of the Executive Committee of 30 November 2022 (Paragraph 6) and

Minutes of South Lanarkshire Council of 7 December 2022 (Paragraph 16)]

5 Urgent Business

There were no items of urgent business.



Report

3

Report to: Climate Change and Sustainability Committee

Date of Meeting: 14 June 2023

Executive Director (Housing and Technical Resources)

Report by: Executive Director (Community and Enterprise

Resources)

Subject: Update on South Lanarkshire Council Motion to 'Cut

Fuel Bills, Cut Carbon Emissions, Kick Start the Green

Economy'

1. Purpose of Report

1.1. The purpose of this report is to advise the Climate Change and Sustainability Committee on:-

 progress in relation to the motion approved by full council on 7 December 2022 entitled 'Cut Fuel Bills, Cut Carbon Emissions, Kick Start the Green Economy'

2. Recommendations

- 2.1. The Climate Change and Sustainability Committee is asked to approve the following recommendation(s):-
 - (1) that the update on progress to the South Lanarkshire Council motion to 'Cut Fuel Bills, Cut Carbon Emissions, Kick Start the Green Economy', be noted.
 - that the proposal to provide further updates on progress in relation to the motion and wider regulatory or legislative changes in this area, be approved.

3. Background

- 3.1. At the full South Lanarkshire Council meeting on 7 December 2022, a motion was submitted and approved that asked council services to consider opportunities to further improve energy efficiency and sustainability standards within its domestic and non-domestic estate.
- 3.2. The motion included a range of points relevant to services across the council to take additional action on improving energy efficiency with the aim of saving money for front line services, reducing the council's risk to future energy price increases, cutting carbon emissions, improving wellbeing, reducing fuel poverty and kick starting the green economy.
- 3.3. The full motion, including pre-amble and policy drivers, as amended, has been included at Appendix 1.

4. Update on Actions Progressed in Response to Council Motion

4.1. The motion is structured into three sections with a number of actions outlined within each. An update on progress has been provided to each aspect of these from the relevant services from within Housing and Technical Resources and Community and Enterprise Resources, as set out in the tables below.

4.2. Section 1: <u>Produce an energy demand reduction plan for council buildings</u>

Action

Produce an energy demand reduction plan for council buildings considering actions such as consulting on a set point of 18 degrees where it is safe to do so, reducing heating times or boiler temperatures and engaging and supporting Members and staff in other immediate, no/low cost ways to reduce bills.

Response

An update on the inclusion of a new Energy Demand Reduction Plan within the next Property Asset Management Plan for council buildings was provided to Housing and Technical Resources Committee on 31 May 2023.

The new plan will outline key actions to promote behavioural change across council departments alongside considering physical changes required to improve council building efficiency. This will be developed throughout 2023 and reported to Housing and Technical Resources Committee as part of the asset management planning approach.

4.3. Section 2: Adopt the highest standards of energy efficiency for all South Lanarkshire Council funded building projects and in the forthcoming Residential Design Guide

Action(s)

Moratorium on fossil-fuelled heating systems in new builds

Response

As a result of revised Building Regulations in Scotland, all new social housing will no longer be able to be heated with direct emission heating systems from January 2024. As such, as part of new homes within its new Affordable Housing Supply Programme, the council will be utilising zero direct emission heating systems and is already amending its house building designs accommodate these and working with developers to ensure compliance. Action 4.1 within the Local Housing Strategy 2022-27 also commits the council to preparing for and implementing this new requirement.

For new non-domestic buildings, no direct emission heating systems will be installed from March 2024 in line with Scottish Government guidance.

Formally adopt the 'Fabric First' approach by using Passivhaus, Net Zero Public Building Standard or equivalent highest energy efficiency standards for all future council funded new builds.

The fabric first approach remains a key priority within the council's Housing Investment Programme with the aim of reducing heat demand within its domestic properties.

Previously working towards the Energy Efficiency Standard for Social Housing (Phase 1), the council committed to working towards achieving higher specification Phase 2 of the standard by 2032, where it was practically feasible to do so. Phase 2 of this standard is, however, now currently under review by the Scottish Government and the council is awaiting detail of revisions to this. Once known, the council will identify how the standard, or others such as those contained within the motion, can be achieved within the budget parameters available.

In addition, the Scottish Government has committed to bring forward legislation by 2025 to 'to introduce new minimum environmental design standards for all new build housing to meet a Scottish equivalent to the Passivhaus standard'. As with revised EESSH standards, the council will be required to review additional cost implications associated with this change.

Investigate retrofitting council buildings to Passivhaus/Gold standards for properties where it could bring substantial savings for council and/or tenants.

Action 4.4 within the Local Housing Strategy 2022-27 sets out the council's commitment to exploring options for enhanced energy efficiency or decarbonised heating measures across the council housing stock. In addition, Action 3.8 seeks to explore opportunities to reduce fuel costs for council tenants.

These opportunities include the possibility of retrofitting existing council buildings to Passivhaus or Gold Standard, however, the availability of funding and current budgetary constraints will impact the council's ability to deliver such improvements at the scale required to provide a positive impact to all tenants. This has been raised with the Scottish Government locally and nationally with COSLA noting the need for adequate funding to be provided to ensure that any transition is truly just and does not place the financial burden on council tenants to meet unacceptable levels of cost through their rent payments.

Recognition should also be given to the significant behavioural change required to realise running cost savings from conversion to Passivhaus standard from tenants and building users.

Use learning from council funded high energy efficiency building projects to engage with volume house builders to share learning and develop a future mandatory 'South Lanarkshire Standard' to reach the highest efficiency levels possible.

Under the current Building Regulations developers are required to achieve the minimum standard set out in the Regulations. While developers are encouraged to deliver beyond this, the Council has no legislative powers to require a higher standard to be provided.

A review of the Council's existing Residential Design Guide is currently being carried out to support developers to build to the highest standard. It is intended this document will set out guidance to encourage housebuilders (including the Council and Registered Social Landlords) to incorporate energy efficiency measures in the design their new developments.

When submitting plans for planning permission, ask developers in their energy statement to demonstrate how the development will adhere to the principles of 'Fabric First', and how high operational standards of energy efficiency will achieved.

The adopted South Lanarkshire Local Development Plan 2 requires applications for major development to include an energy statement, to highlight that proposals are designed to deliver that at least 10% of the carbon dioxide emissions reduction standard in the Building Regulations is met by installing low and zero carbon generating technology.

National Planning Framework 4, which was recently adopted by the Scottish Government, sets out the issues to be taken into consideration when assessing planning applications as well as preparing the next Local Development Plan. This includes, but is not limited to, topics such as climate mitigation and adaptation, energy heat and cooling.

Develop a local system to check compliance against a suitable indicator which gives a good measure of build quality and energy efficiency such as air tightness. The current application process for building warrants and completion certificates includes a check that the relevant standard in the Building Regulations in relation to energy and carbon dioxide emissions has been achieved. This ensures that the conservation of fuel and power is incorporated within the design of new or refurbished buildings by addressing the performance of the building fabric and fixed building services.

4.4. Section 3 of the motion focuses on actions to 'Kick start the local green economy' and an initial response to this is currently being considered by services within Economic Development and Employability services. This will be reported to Climate Change and Sustainability Committee as part of further reports on this agenda.

5. Next Steps

- 5.1. Subject to Committee approval, it is proposed further reports will be provided on progress made in relation to all aspects of the motion, as well as local and national developments being implemented within this agenda area. This includes the development of the next Local Development Plan and the new statutory requirements for the Local Heat and Energy Efficiency Strategy.
- 5.2. Services will continue to monitor national policy development and legislative requirements in this area, ensuring the council continues to directly contribute and facilitate the contribution of others to tackling climate change.
- 5.3. The council will continue to maximise opportunities to enhance sustainability within its new domestic and non-domestic buildings within the budget parameters available and through identifying appropriate external funding opportunities.

6. Employee Implications

6.1. There are no current employee implications associated with this report.

7. Financial Implications

7.1. As part of the approval of the new 1,300 additional council home target by Executive Committee on 30 November 2022, the council set out the financial implications associated with the delivery of its Affordable Housing Supply Programme. This was based on assumptions relating to the grant levels, council borrowing rates and existing

unit costs using current deign specification and identified that, over a 40 year period, the programme would have a neutral impact to the Housing Revenue Account Business Plan.

- 7.2. Financial implications relating to the retrofitting of energy efficiency and decarbonisation measures of the council's existing housing stock are currently delivered through the Housing Investment Programme, funded by the Housing Revenue Account. Acceleration of planned investment to meet new targets or enhanced specification will impact the Housing Revue Account Business Plan and require additional internal or external resourcing.
- 7.3. Financial implications from enhanced energy efficiency or decarbonisation measures within new or existing non-domestic buildings considered by the council to meet service needs or replace existing assets will be assessed as part of the feasibility of the project.
- 7.4. Additional inspection or service requirements proposed as part of the motion may have financial implications for the relevant services.
- 7.5. It should be noted that the timeframe for meeting national net zero targets is unachievable within current levels of resourcing.

8. Climate Change, Sustainability and Environmental Implications

- 8.1. The contents within this report link with key priorities of the Local Housing Strategy, South Lanarkshire Community Plan and Sustainable Development and Climate Change Strategy. As part of the development of these, a full Strategic Environmental Assessment (SEA) was undertaken with the report submitted to the SEA Gateway and published online for consultation.
- 8.2. This assessment identified that these priorities can make a positive contribution to local and national sustainability and climate change targets.

9. Other Implications

9.1. There are no other implications associated with this report.

10. Equality Impact Assessment and Consultation Arrangements

10.1. Equality Impact Assessment (EqIA) processes were undertaken throughout the development of the key strategies aligned to this agenda, including the Sustainable Development and Climate Change Strategy and Local Housing Strategy. These assessments aimed to identify and mitigate any negative impacts and seek opportunities to promote equality and found that the strategies would have no negative impacts on any protected characteristics groups and will have significant positive impacts in relation to age and disability.

Stephen Gibson Executive Director (Housing and Technical Resources)

David Booth
Executive Director (Community and Enterprise Resources)

25 May 2023

Link(s) to Council Values/Priorities/Outcomes

- ♦ Accountable, effective, efficient and transparent
- Good quality, suitable and sustainable places to live

Previous References

- ♦ 30 November 2022, Executive Committee, South Lanarkshire Council Housing Supply Target.
- ♦ 30 November 2022, Executive Committee, South Lanarkshire Local Housing Strategy 2022-27.
- ♦ 7 December 2022, South Lanarkshire Council, 'Cut Fuel Bills, Cut Carbon Emissions, Kick Start the Green Economy'
- ♦ 31 May 2023, Housing and Technical Resources Committee, Property Asset Management Plan 2021-25 Annual Update

List of Background Papers

- ♦ South Lanarkshire Local Housing Strategy 2022-27
- ♦ South Lanarkshire Sustainable Development and Climate Change Strategy 2022-27
- ♦ South Lanarkshire Strategic Housing Investment Plan 2023-28
- South Lanarkshire Council Corporate Asset Management Plan 2021

Contact for Further Information

If you would like to inspect background papers or want further information, please contact:-

Jonathan Read, Strategy and Policy Advisor Housing and Technical Resources

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Tony Finn, Planning Manager Community and Enterprise Resources E-mail: tony.finn@southlanarkshire.gov.uk

Appendix

"Motion Pre-amble:-

Fuel bills impact on council budgets, poverty and business profitability – The council's budget strategy identified an exceptional additional budget pressure of £7.450 million due to projected increases in utilities costs (Full Council, June 2022) and the risk to budgets of future energy price inflation has been repeatedly flagged by officers. Equally, our residents and businesses are seeing their bills rising dramatically too, plunging more householders into fuel poverty (in 2019, 22% of South Lanarkshire households lived in fuel poverty) and undermining business profitability.

Climate change – The largest source of the council's emissions is from our council buildings and South Lanarkshire wide, the domestic sector makes up the largest source of South Lanarkshire's emissions (SLC State of the Environment report 2021). The costs of not acting on climate change, far outweigh the costs of acting boldly now.

Policy drivers – National building standards are changing on 1st Feb 2023 with further increased energy standards and mandatory testing of all new builds. All new builds will need to be heated by a non-fossil fuel source by 2024. All public sector buildings should be zero-carbon heated by 2038 and fuel poverty should be eradicated by 2040. National Planning Framework 4 Policies 1, 2 and 19 seeks to 'minimise emissions from development', 'build more efficient net zero homes with decarbonised heating and cooling systems' and 'support development proposals for buildings that will be occupied by people to promote sustainable temperature management, for example by prioritizing natural or passive solutions such as siting, orientation, and materials'.

In South Lanarkshire, both the Community Plan and the Council plan seek to deliver on People, Planet and Progress. And the South Lanarkshire administration's 'New Hope' agreement aims to 'maximise the energy efficiency of homes' and wishes to 'Develop a Green New Deal for South Lanarkshire'. This motion will contribute to that.

Examples – 'Fabric First' - Buildings designed and constructed using a fabric first approach aim to minimise the need for energy consumption – the cheapest form of energy is that which you don't use, so it makes sense to maximise insulation whilst also maintaining a healthy environment. There are various voluntary quality standards which would help ensure a vast improvement in energy efficiency. One is the Net Zero Public Sector Building Standard https://www.scottishfuturestrust.org.uk/page/net-zero-public-sector-buildings-standard, now being encouraged to access funding for new schools and also takes into account the carbon embodied in the construction materials used and how the

building operates. Another is the Passivhaus standard (https://www.passivhaustrust.org.uk, http://www.architype.co.uk/blog/what-howand-why-passivhaus-the-pupils-of-wilkinson-primary-school-explain/), which aims to reduce energy demand as much as possible but also improves health and comfort too through ventilation without heat loss. Heat demand in a Passivhaus non-domestic building is less than a fifth of that in a typical non-domestic building with architects reporting a £30,000-£50,000 saving in fuel bills in primary schools and a third of costs in domestic properties (more now with energy price increases). Edinburgh council has adopted Passivhaus for its future school builds and Glasgow council has Passivhaus offered as a route to achieve Gold Level compliance for all new residential developments. Overall, a study showed that the Passivhaus standard in the UK can be achieved now for a modest extra-over cost and this is likely to reduce to nominal levels if adopted at scale: https://www.passivhaustrust.org.uk/guidance_detail.php?gld=41. Any_additional_ upfront costs will save money further down the line on energy bills.

Motion: This council agrees to take the following additional action on energy efficiency to achieve multiple benefits: save money for front-line services, reduce South Lanarkshire's risk to future energy price shocks, cut carbon emissions, improve wellbeing, reduce fuel poverty and kick start the local green economy.

- Produce an energy demand reduction plan for council buildings as part of
 its coming strategy for corporate assets considering actions such as
 consulting on a set point of 18 degrees or a 'one degree less' approach where
 it is safe to do so, reducing heating times or boiler temperatures and
 engaging and supporting Members and staff in other immediate, no/low cost
 ways to reduce bills.
- 2 Adopt the highest possible standards of energy efficiency for all South Lanarkshire Council funded building projects and in the forthcoming Residential Design Guide, by:
- Requesting a report on the transition to higher energy standards be brought to the Climate Change and Sustainability Committee with recommendations made to a future meeting of the full Council and that this report consider: -
 - ♦ Challenges, opportunities, current and emerging issues and progress in the transition to higher standards of energy efficiency.
 - ♦ A moratorium on fossil-fuelled heating systems in new builds and appropriate lead-in times.
 - Further development of the 'Fabric First' approach, including Passivhaus, Net Zero Public Standard or equivalent highest possible energy efficiency standards for all future council funded new builds.
 - ♦ The Council's expectations of volume house-builders and developers and the case for a 'South Lanarkshire Standard' to help reach the highest energy efficiency standards possible.
- ♦ Investigating retrofitting council buildings to Passivhaus/Gold or equivalent standards for properties where it could bring substantial savings for council and/or tenants.

- Use learning from council funded high energy efficiency building projects and research from South Lanarkshire College and other partners to engage with volume house builders to share learning.
- ♦ Asking developers in their energy statement to demonstrate how the development will adhere to the principles of 'Fabric First', and how high standards of operational energy efficiency will be achieved
- ♦ To close the building performance gap, consider a local system to check compliance against a suitable indicator which gives a good measure of build quality and energy efficiency such as air tightness, reporting back to a suitable committee on options
- 3 **Kick start the local green economy** through the council's own long term new build / retrofit programme so giving local businesses the confidence to develop new products and skills to serve the council's investment programme and the growing wider market
- Working with local colleges, Hamilton based https://www.be-st.build/about/, Skills Development Scotland and businesses to review the local supply chain for low carbon construction materials, construction / retrofit qualifications and skills to identify current supply, gaps and opportunities for local workers and the economy.
- Using and encouraging others to use / gain the government TrustMark (or equivalent) which details registered qualified professionals who build/install to the standards required to meet high energy efficiency standards
- Exploring setting up / expanding a green-economy skills academy and apprenticeship programme with local colleges, social landlords and businesses to skill-up and embed the high standards required and provide local work force opportunities."



Report

4

Report to: Climate Change and Sustainability Committee

Date of Meeting: 14 June 2023

Report by: Executive Director (Community and Enterprise

Resources)

Subject: Area Wide Emissions Route Map

1. Purpose of Report

- 1.1. The purpose of the report is to:-
 - update the Climate Change and Sustainability Committee on consultancy work carried out on area wide carbon emissions and discuss next steps

2. Recommendations

- 2.1. The Committee is asked to approve the following recommendations:-
 - (1) note the progress on baselining area wide carbon emissions and agree next steps.

3. Background

- 3.1. An application was made in April 2022 to the Council's Climate Emergency Fund for £35,000 to appoint an industry expert to advise on how to measure and reduce area wide carbon emissions for South Lanarkshire. The purpose was to establish a baseline position and identify actions to help the Council meet its long term targets.
- 3.2. The application was approved and, after competitive tender in August 2022, Aether Ltd. was appointed. Aether employs a number of consultants who are experts in environmental data analysis and interpretation and have provided a number of Scottish local authorities with advice. It was agreed that a report would be prepared by Aether and presented to the appropriate Committee in 2023.
- 3.3. As part of the scope of works, two workshops were held to inform the final report. One workshop was held in September 2022 with internal stakeholders, and a second workshop with external stakeholders was held in November 2022. The list of invitees, attendees and participants can be found at Appendix 1.
- 3.4. The Council has actively monitored and reduced its own carbon footprint since 2005 but, as reported to this Committee on 26 April 2023, there are many legislative milestones that the Council must work towards. Many of these milestones include action much wider than just the Council's own footprint. Some of the long term national targets are also under considerable external scrutiny with calls for further support for local authorities.

4. Aims and Objectives of Project

- 4.1. The project brief detailed that the final report should:-
 - identify and baseline the biggest contributors to South Lanarkshire's emissions
 - outline the scale of reduction required to meet net-zero by 2045
 - ◆ provide details of cost effective, carbon effective and transformational action required to meet net-zero
 - outline the Council's scope of influence to reduce emissions through its regulatory powers and policies
- 4.2. The project was undertaken with the knowledge that the final report would provide the foundation for area wide emissions reduction. It was expected that key stakeholders would be identified and, whilst some high level actions were anticipated, there was no expectation that costs or skills would be specified.
- 4.3. It is worth highlighting that statutory duties to deliver the area wide carbon reductions fall on a number of bodies including councils, the Scottish Government, and other national agencies. Work will be undertaken to identify lead agencies and partners in respect of South Lanarkshire.

5. Key findings and messages

- 5.1. The full report is attached at Appendix Three, however, the key messages include:-
 - the biggest contributors to area-wide emissions is from transport (31%) and domestic energy (31%)
 - the scale of action required for area-wide emissions reduction is extensive
 - the timeframe for meeting national net zero targets is unachievable within current levels of resourcing
 - the potential for the Council to use its powers of influence and policy is extensive
 - the proportion of the area's carbon footprint that comes from Council services is minimal (2.5%)
 - engagement with local businesses, developers, organisations and communities is key to future area-wide emissions reduction
 - the potential for local businesses to invest in Council led offsetting opportunities is significant but the appetite for this is unknown
 - examples of good practice in other Scottish local authority areas can be used to inform how South Lanarkshire could reduce area-wide emissions
- 5.2. The Council's carbon footprint has reduced significantly, by 64.2% between 2005 and March 2022. As expected, however, the proportion of area wide emissions that come from the Council's own carbon footprint is minimal. Nevertheless, the Council does have a significant influencing role to play and should continue to lead by example and take action internally to reduce its own emissions where possible, whilst recognising the limitations within current financial and resourcing constraints. Focus should also now be given to:-
 - engaging more with external stakeholders to work together in reducing area wide emissions
 - considering offsetting opportunities within the South Lanarkshire area, given the potential for carbon absorption through our peatland and forestry resources
- 5.3. The Aether report is considered to be the initial step in area wide emissions reduction, and it can be used to engage and work with wider stakeholders to plan and develop emissions reduction projects and actions to best assist South Lanarkshire in achieving

net zero by 2045. If partnership engagement and widespread innovation is not forthcoming, then it is unlikely that the net zero targets set by Scottish Government will be met.

5.4. Table six within the report sets out a series of actions which the Council needs to undertake to reduce emissions across different sectors. This table has been expanded and attached at Appendix Two to detail what progress has already been made within these areas, and where there are gaps.

6. Next steps

- 6.1. The suggested next steps are detailed in Appendix Three, but in summary these include:-
 - subject to clarity on who has primary duty, agree how to engage with key stakeholders and involve them in area wide emissions reduction
 - agree, in conjunction with key stakeholders, set targets for area wide emissions reduction
 - ◆ consider how to link area wide emissions reduction with the Net Zero Town project and Town Centre Visioning project, and other key Council strategies/policies/projects
 - ensure that due consideration is given to climate justice and ensuring the transition to net-zero does not exacerbate poverty or inequalities

7. Employee Implications

7.1. All Resources are required to contribute to the implementation of the Sustainable Development Climate Change Strategy to ensure that actions and targets are met. The Sustainable Development Officer and Carbon Management Officer will lead on the development of an area wide emissions route map.

8. Financial Implications

- 8.1. Significant financial consideration will be required for the Council and area wide stakeholders to contribute to the challenging national net zero carbon targets and the global sustainable development goals.
- 8.2. There may be the opportunity for organisations to contribute to Council led carbon reduction projects.

9. Climate Change, Sustainability and Environmental Implications

9.1. Any efforts that can be made to reduce the area's carbon footprint will contribute to national targets, and to the global sustainable development goals.

10. Other Implications

10.1. 'Failure to meet sustainable development and climate change objectives' is one of the top risks for the Council, with a score of 15.

11. Equality Impact Assessment and Consultation Arrangements

11.1. This report does not introduce a new policy, function or strategy or recommend a change to an existing policy, function or strategy and, therefore, no impact assessment is required. The Sustainable Development and Climate Change Strategy 2022-2027 has undergone full Strategic Environmental Assessment and Equality Impact Assessments.

David Booth

Executive Director (Community and Enterprise Resources)

Link(s) to Council Values/Priorities/Outcomes

- ♦ Fair, open and sustainable
- ♦ We will work towards a sustainable future in sustainable places
- Good quality, suitable and sustainable places to live
- Caring, connected, sustainable communities

Previous References

♦ None

List of Background Papers

♦ Sustainable Development and Climate Change Strategy 2022-2027

Contact for Further Information

If you would like to inspect the background papers or want further information, please contact:-

Name: Gillian Simpson

Designation: Development Adviser

E-mail: gillian.simpson@southlanarkshire.gov.uk

Appendix 1

Aether - Stakeholder Engagement

Organisation

Organisation type and function

Attended

Forestry and Land Scotland
National Farmers Union Scotland
SAC Consulting
East Kilbride Housing Association
NHS Lanarkshire
CALA
Agriculture and Land Use
Agriculture and Land use
Housing Association
Health Service
Housing developer

CALA Housing developer
Stewart Milne Housing developer
Taylor Wimpey Housing developer

Elected Members South Lanarkshire Council

Glasgow City Region Transport & Economic Development

New College Lanarkshire Skills development

Scottish Enterprise Transport & Economic Development Strathclyde Partnership for Transport Transport & Economic Development

University of West Scotland Education
Sustainable Scotland Network Public Sector

Expressed interest but were unavailable to attend

Clyde Valley Housing Association
Clydesdale Housing Association
Miller
Robertson
Housing Association
Housing Association
Housing developer
Housing developer

Banks Group Property development and renewable generation

Scottish Communities Action Network Third Sector

Invited but did not attend

Scottish Power Energy Networks Energy

East Kilbride Housing Association
West of Scotland Housing Association
West Whitlawburn Housing Cooperative
Business Gateway
Skills Development Scotland
VASLan
Housing Association
Housing Association
Skills development
Skills development
Skills development

Appendix 2 Aether - Key priority actions for SLC to enable decarbonisation across the council area

Key priority actions	Possible implementation methods	Progress to date
Transport		
Promote cycling and walking in South Lanarkshire through network improvements to create safe cycling and walking routes	Engage Services to identify their plans for improvements. Appoint external agency e.g. Sustrans or Cycling Scotland to review and assess infrastructure and make recommendations on connecting neighbourhoods	 Active Travel Studies for each main town and links between towns and villages are complete. The above studies include liaison between various organisations / agencies and residents and are being used to the develop priorities identified as resources permit. Works are currently being programmed for the construction of new cycle routes for this financial year.
Increase the amount of EV charging points across the council area.	Engage with relevant EV charging solutions companies. Install chargers in all public car parks and at council and other public buildings. Ensure that all new residential and commercial developments include charging infrastructure. Trial on street chargers in areas where there is no off-street parking.	 The Council and 7 other Local Authorities commissioned Mott McDonald to undertake a review and develop a regional and local strategy and plan. This is currently being reviewed and further work to consider financial / implementation models is to be taken forward shortly. EV charging infrastructure already forms part of the considerations given to new developments and relevant conditions are attached to planning applications. On-street charging infrastructure at 13 locations will be commissioned in the coming weeks. There are currently 145 dual chargers in public spaces throughout South Lanarkshire.
Improve public transport provision across the council area and support its use through incentives	Engage with local public transport providers to ensure joined up provision for employment, education and retail etc. Connections with the planned park and ride scheme. Consider financial incentives to increase use rates, potentially in parallel with changes to parking provision if appropriate.	The Council currently participates in the Glasgow Bus Partnership, have developed the Clydesdale STAG, and work with Network Rail / ScotRail, Transport Scotland / SPT and bus operators. Through these projects, current ongoing works include Bus Priority corridor works, Lanark Interchange, East Kilbride Rail Enhancement and various other bus stop infrastructure improvements.

Buildings

Enable skills development for net zero building retrofits.

Provision of training courses and apprenticeships by local colleges. Provide carbon literacy information and training for the public. The Council is liaising with higher education establishments to better understand the courses and skills being offered and identify any gaps in training. The Council has employed a Sustainable Communities Engagement Officer who works with a range of community groups across South Lanarkshire, providing information and training where appropriate

Review and update South Lanarkshire Development Plan 2 when appropriate to require high standards of energy performance and low carbon heat for new build and refurbishment of commercial properties Work collaboratively with Planning and Building Standards Service to ensure energy performance standards are included, enforced and reviewed.

- The Council is carrying out a review of the Residential Development Guide. The updated version will cover both planning and building standards functions and will incorporate measures relating to the energy performance of buildings and the siting and design of new build properties.
- Building standards surveyors are implementing revised building regulations introduced in February 2023 when assessing building warrants. In addition, online learning on Passivhaus has been made available to surveyors and planners.
- Planning policy in the National Planning Framework 4 which was adopted by the Scottish Government in February 2023 is being used in decision making on planning applications. A separate Supporting Planning Guidance document on Climate Change is being prepared.
- Supporting Planning Guidance on Electric Vehicle Charge Points has been approved and is in operation.

Residential

Set targets for % homes retrofits needed per year to meet EESSH2, ensuring those in fuel poverty are not adversely affected

Engage Housing and Technical Resources for scoping exercise for improvements to social housing properties. Identify the likely cost of homes retrofits required to meet EESSH2 following the outcomes of the Scottish Government's review of the specifications and timescales within the standard.

- Over 91% of Council homes are currently at EPC Band C or above.
- New Council homes built with grant funding applied for after December 2023 will be prohibited from installing direct emissions heating systems.

Transport, Buildings, Residential, Non-residential

Following Stages 1-4 of the Local Heat and Energy Efficiency Strategy (LHEES) methodology outputs, determine what needs to be done to change buildings and local infrastructure over the coming years to fulfil Scottish Government objectives and local priorities.

Create a cross-Resource working group to take forward development of LHEES. Integrate LHEES appropriate actions into cross Council policies and strategies.

 A cross-Resource officer working group has been set up to take forward the development of LHEES. The group will be assisted by the environmental consultants, Changeworks, who will support the development of the LHEES and Delivery Plan.

Non-residential

Establish a local climate change partnership

Support information sharing by local business and organisations through a local forum.

 The Council works with the Community Planning Partnership (CPP) members and has mapped the Community Plan 2022-2032 to the Sustainable Development Goals. This is with a view to identifying how the CPP can contribute to climate change and sustainability action.

Support local businesses and organisations in making good decisions about carbon reduction Provide information about buildings energy audits, and the development of business cases. Provide links to local trades and suppliers of low carbon solutions.

 Currently local businesses are supported by external organisations such as Business Gateway and Energy Savings Trust. More could be done if the Council worked on climate action in partnership with local businesses.

Waste

Public awareness campaign on waste prevention through changing patterns of consumption and its connection to climate change Work with Waste Department to schedule communications to residents with a strong climate focus

- Waste awareness team engage with residents and schools on a regular basis.
- A review of kerbside refuse collection services will take place in 2023-24 to identify what can be done to improve recycling and composting rates and reduce the amount of residual waste generated.
- Waste Services work with stakeholders, including waste contractors and householders to reduce the amount of waste being sent to landfill

Appendix 3 Aether Report

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1 Context

Scotland has a target to become net zero by 2045, as set out in the Climate Change (Emissions Reduction Targets) (Scotland) Act 2019, which amends the Climate Change (Scotland) Act 2009. South Lanarkshire Council has recognised the importance of quantifying and reducing emissions by establishing a Climate Change and Sustainability Committee in 2019 and a supporting cross-resource climate change and sustainability steering group.

The Council has an active sustainability network of employees annually reporting the greenhouse gas (GHG) emissions for their estate and wider area in compliance with climate change duties under the Climate Change (Scotland) Act 2009¹.

The Council has produced multiple strategy documents that aim to address the council's role in addressing climate change in South Lanarkshire. The Council's Sustainable Development and Climate Change Strategy (SDCCS) 2022-2027² sets out the overall approach to sustainable development and addresses the challenges and opportunities of climate change. It outlines the changes in sustainable development and climate change policy since the publication of the last strategy, and the Council's strategic outcomes for sustainable development and climate change over the next five years.

The Sustainable Development and Climate Change Strategy and Local Transport Strategy cover 2022–27 and 2013–23, respectively. The Local Development Plan was published in January 2021 and covers 2020–25.

The council has already reduced emissions from its estate through projects such as installing PV systems, installing biomass boilers, and use of ground source heat pumps in council properties. South Lanarkshire Council also implemented an LED streetlighting replacement programme, which was completed in 2018. Since 2019, waste from South Lanarkshire has been treated at an Energy from Waste (EfW) facility located in Dunbar, East Lothian, resulting in diversion away from landfill.

Whilst South Lanarkshire Council continues to decarbonise their estate, the council now seeks to identify how the council can use its influence to enable actions to reduce GHG emissions in the wider area. The need to meet national targets provides an opportunity for the council to explore the ways in which it can embed climate action into the wider

Aether has been commissioned by South Lanarkshire Council to provide evidence and recommendations to update and influence their climate change strategy and work towards an area-wide emissions reduction route map.

The purpose of this report is to summarise this work including establishing baseline emissions in South Lanarkshire and production of potential future emission projections based a 'do nothing' and low carbon scenario for the council estate and area to 2045 (**Chapter 2**).

2

https://www.southlanarkshire.gov.uk/info/200303/climate change and sustainability/2100/sustainable d evelopment and climate change strategy

¹ https://www.legislation.gov.uk/asp/2009/12/section/44

Findings from the workshops held with council staff and external stakeholders were held to understand current action in the local area alongside potential barriers and solutions to future actions and findings from these are included in **Chapter 4**.

Chapter 5 covers the co-benefit review and matrix developed, which rates a range of cobenefits across a range of recommended mitigation actions.

Recommendations and next steps for the council to work towards an area-wide emissions reduction route map are included in **Chapter 6**.

2 Area-wide historical emissions

An emissions inventory is a dataset which presents estimates of emissions of various GHGs from a wide range of activities in an organisation, country or other geographical area. The latest historical data is used to construct an emissions inventory to best reflect historical emission levels, from which emission trajectories can then be developed.

The standard approach to estimate GHG emissions is by multiplying activity data by an emission factor associated with the activity being measured (**Equation 1**).

Equation 1: Emission factor approach for calculating GHG emissions.

GHG emissions = activity data * emission factor

Emission Factor - This is the emissions per unit of activity, which usually comes from scientific literature. It is typically derived from measurement.

Activity data - This is a measure or estimate of the activity which is taking place, such as number of cows or tonnes of fuel. This data typically comes from national or subnational statistical datasets or from the organisation in question.

2.1 Scope of emissions

The sources in **Figure 1** included in the area-wide emissions inventory are presented and the datasets used to compile the baseline are listed in **Table A1** in Appendix 1.

Figure 1 also shows sources that are not in scope of the analysis within this report, because either the data are not available or not good enough for making estimates, or the sources were felt to be outside the influence of council action.

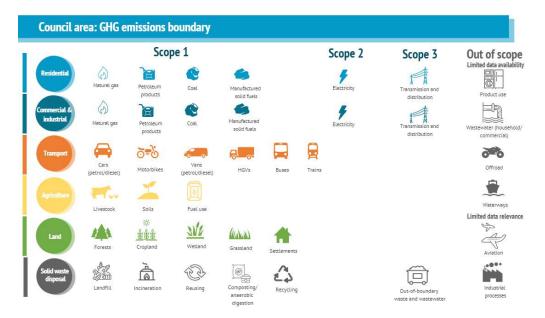
The council is responsible for collecting and transporting municipal waste for disposal. Emissions resulting from council-owned waste collection vehicles were included within the inventory as part of the council estate fleet, rather than reported as waste transfers, due to lack of granularity in the fuel data. The remaining emissions (waste processing emissions) were included in the area-wide baseline, as these emissions are dependent on amounts and composition of waste from residents and organisations across the council area.

The UK Government GHG Conversion Factors for Company Reporting³ account for both the transport and processing of waste emissions in a single emission factor, so new emission factors were calculated to estimate emissions from transport and processing separately, thus avoiding double counting.

Therefore, due to the allocation of waste emissions across the council fleet and areawide waste processing, estimates differ from those reported by South Lanarkshire Council where their Public Bodies Duties Climate Change Report accounts for emissions from collection, transport, and disposal in their estimates.

³ https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting

Figure 1: Diagram of the sources that are in and out of scope of the area-wide baseline



2.2 Historical emissions estimates

For this report, 2018 was selected as the first year (baseline) for emissions estimates. Estimates have also been made for 2019 and 2020 based on the latest data available.

The council's own emissions were calculated to compare against the area-wide emissions (see below). Data on energy consumption for the estate's buildings and fleet vehicles, in addition to distances travelled as business travel were provided by the council and used to calculate emissions for the estate.

South Lanarkshire area's GHG emissions were estimated at 2,023 ktCO₂e in 2018, decreasing to 1,751 ktCO₂e in 2020. Emissions by sector are presented in **Figure 2** and **Table 1.**

The most significant emissions source in 2018 was the transport sector, comprising 35% of total emissions. Car and HGV use were the largest sources of transport emissions.

There was also a large contribution from the residential sector, the majority of which were emissions from natural gas for heating and electricity for heating and lighting homes, businesses and other buildings such as hospitals and schools.

Emissions from land use and land use change and waste in South Lanarkshire are small, at 3% and 2% respectively. Land use was a source of emissions due to emissions from cropland, grassland, wetland and settlements being greater than removals from forests.

■ Residential (electricity) 2,500 ■ Residential (gas/other fuels) Commercial and Industrial 2,000 (electricity) Commercial and Industrial (gas/other fuels)
■ Transport (private cars) Emissions (ktCO₂e) 1,500 ■ Transport (LGVs/HGVs) 1,000 ■ Transport (bus/rail) ■ Agriculture 500 ■ Land Use

Figure 2: Estimated ktCO₂e emissions for South Lanarkshire Council estate and area in 2018 - 2020

Transport emissions remained constant across 2018 and 2019 and decreased in 2020, representing 31% of emissions in 2020. Commercial energy use steadily decreased across the timeseries, from 361 ktCO2e in 2018 to 288 ktCO2e in 2020. Emissions from the residential, agriculture, and land use sectors remained relatively constant across the timeseries.

2020

■ Waste

■ Council estate

Table 1: Estimated ktCO₂e emissions for South Lanarkshire area in 2018 - 2020

2019

2018

	Emissions (kt CO ₂ e)	% of total emissions	Emissions (kt CO ₂ e)	% of total emissions	Emissions (kt CO ₂ e)	% of total emissions
Residential (electricity)	158	8%	142	7%	136	8%
Residential (gas/other fuels)	374	18%	396	20%	404	23%
Commercial and Industrial (electricity)	165	8%	145	7%	116	7%
Commercial and Industrial (gas/other fuels)	196	10%	171	9%	172	10%
Transport (buses and rail)	29	1%	32	2%	24	1%
Transport (LGVs and HGVs)	330	16%	322	16%	280	16%
Transport (cars and motorbikes)	348	17%	355	18%	242	14%
Agriculture	318	16%	299	15%	309	18%
Land use	67	3%	85	4%	61	4%
Waste	39	2%	22	1%	7	0%
Total	2,023		1,968		1,751	

Out of the total emissions in the area, an estimated 2.5% were direct emissions from the council's estate (see **Table 2** for a breakdown of the council's emissions. Energy used in council buildings were the largest source of emissions, at 78% of total emissions.

Emissions resulting from gas and other fuel use was the largest contributor at almost half of total emissions. A breakdown of the data by building service area was provided but was not complete enough to present emissions by department.

We would recommend that this data is analysed further to enable council departments to estimate and set carbon budgets. Aether is happy to advise on this process and the most effective ways to engage different council departments.

Table 2: Estimated ktCO₂e emissions for South Lanarkshire council in 2018/19 – 2020/21

	Emissions (kt CO₂e)	% of total emissions	Emissions (kt CO ₂ e)	% of total emissions	Emissions (kt CO ₂ e)	% of total emissions
Council Business Travel	0.38	1%	0.47	1%	0.21	0.4%
Council Fleet	8.80	17%	8.94	18%	7.16	15%
Streetlighting	2.43	5%	2.04	4%	1.95	4%
Council Buildings (electricity)	16.2	31%	14.37	28%	11.51	25%
Council Buildings (gas/other fuels)	24.1	46%	25.12	49%	25.55	55%
Total	51.97		50.93		46.38	

3 Emission trajectories to 2045

Estimates of emission trajectories provide an indication of the impact that climate action within South Lanarkshire could have on the area's carbon emissions. The emission trajectory analysis for South Lanarkshire Council has been undertaken using the Carbon Scenario Model (CSM). Originally developed for use by local authorities (funded by Resource Efficient Scotland and Sustainable Scotland Network⁴), this Excel-based tool has been adapted by the project team to provide a bespoke modelling solution for South Lanarkshire. The CSM has been used to compile emission reduction trajectories up to 2045 in line with the Scotland net zero target.

Within the model, emissions are disaggregated by sector (e.g. transport, domestic, industrial/commercial) and by "fuel" type (e.g. electricity, natural gas, petrol). This allows for the identification of key emission sources, and for the impact of decarbonisation actions on sectors to be displayed in model outputs.

In 2020, the Climate Change Committee (CCC) published *The Sixth Carbon Budget*⁵, a series of reports and datasets which summarises and presents the required action, enabling policy drivers, and estimated emissions outcomes of climate action needed for the UK to reach net zero. The CCC developed a series of national projections under differing levels of climate ambition, which are summarised as follows:

- **Business As Usual**: Assume no additional climate action is taken; there is no significant behaviour change or technological innovation.
- Headwinds: Assumes small-scale behaviour change and new technology developments, which doesn't reduce the cost of green technologies ahead of current projections. This scenario is more reliant on the use of large hydrogen and Carbon Capture and Storage (CCS) infrastructure.
- Widespread engagement: Assumes greater societal and behaviour changes.
 There is reduced demand for the most high-carbon activities and there is uptake of some climate mitigation measures. This scenario also assumes the cost of green technology doesn't decrease ahead of current projections.
- Widespread innovation: This scenario assumes there is greater success in reducing the costs of low-carbon technologies, allowing for more widespread electrification, a more resource- and energy-efficiency economy. It also allows for more cost-effective technologies to remove CO₂ from the atmosphere. This scenario assumes small-scale behaviour change similar to that seen in the Headwinds scenario.
- Balanced Net Zero Pathway: This pathway is based on known technologies and behaviours and takes a whole-system approach to decarbonisation. In this scenario, key options for decarbonisation are developed in the 2030s and 2040s, with action in the 2020s, accepting that some actions will not work but need to be tried to identify the best options and develop effective policies. The CCC believe that the Balanced Pathway is challenging but feasible.
- Tailwinds: This scenario assumes considerable success in both innovation and societal/behavioural changes and goes beyond the Balanced Pathway to achieve Net Zero before 2050. This scenario represents the highest level of ambition.

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⁴ https://sustainablescotlandnetwork.org/resources/carbon-footprint-and-project-register-tool

⁵ https://www.theccc.org.uk/publication/sixth-carbon-budget/

The analysis presented within this report uses the 'Business As Usual' (BAU) and 'Tailwinds' (TW) national scenarios. The sector level emission reductions within these scenarios were applied to the local historical emissions to provide estimates of potential emission reduction within South Lanarkshire. There is significant uncertainty in the application of these fairly high-level scenarios and therefore the modelling outputs need to be treated as indicative.

3.1 Business as usual scenario

The BAU scenario estimates South Lanarkshire emissions if no further climate action is taken beyond 2020. This includes currently funded low-carbon policies, for example existing government-backed renewable energy contracts, but does not include unfunded policy proposals or further uptake of low-carbon technologies. There are no technological innovations or societal changes regarding climate change in this scenario⁶. This can be viewed as the 'worst-case' at both the national and local level. ONS population projections were used to project emissions from waste.

Due to a limitation of the CSM model, the same emission factors are applied for both model scenarios. The emission factor for grid electricity is based on the Balanced Net Zero Pathway in the Sixth Carbon Budget and predicts significant decarbonisation of electricity generation.

The Balanced Net Zero Pathway is a scenario which represents a whole-system approach to decarbonisation and is one that the CCC believe is challenging but feasible. Therefore, the BAU scenario includes reductions in emissions from grid electricity that goes further than currently funded climate policies. This means there will be a slight overestimate of emission reductions in the BAU scenario.

The changes in the baseline emission profile are a response to pressures and actions from outside the area such as the national process of decarbonising electricity generation, expected changes in population, growth forecasts for traffic, changes in technology and so on.

The results of the modelling are shown in

Figure 3. Under the BAU scenario emissions decrease 26% from 2023 ktCO $_2$ e in 2018 to 1487 ktCO $_2$ e in 2045. Transport remains the significant source throughout. There is a small amount reduction across residential and commercial sectors due to electrification of the national grid. The Dunbar Energy from Waste (EfW) facility became operational in early 2019 which resulted in a diversion of waste from landfill. Therefore, direct emissions from waste become negligible from 2019 onwards.

⁶ Sixth Carbon Budget, CCC: https://www.theccc.org.uk/publication/sixth-carbon-budget/

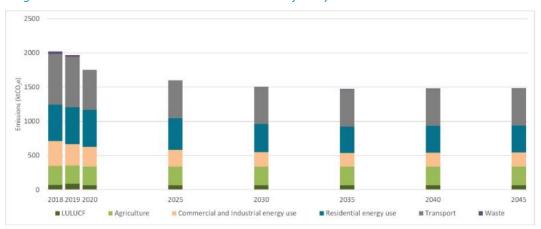


Figure 3: South Lanarkshire area-wide emissions trajectory under a business as usual scenario

3.2 Tailwinds scenario

The Tailwinds scenario estimates South Lanarkshire's emissions assuming significant climate action is taken at the national level beyond 2020. In this scenario, the CCC has assumed there is widespread engagement in climate action⁷. People and business make significant beneficial changes to their behaviour, reducing demand for carbon producing activities while buying in to climate mitigation measures. There are high levels of societal and behavioural change to climate action. Additionally, there is considerable success with widespread innovation, and the economy becomes more resource and energy efficient. Widespread innovation and engagement synergise and lead to significant carbon reductions. This can be viewed as a 'best-case' scenario.

There are some key sector-specific assumptions for the Tailwinds scenario as implemented within Scotland. Some significant Scottish policies across the sectors include:

- **Transport**: The phase out of new petrol and diesel vehicles and vans by 2030 and a reduction of car kilometres by 20% by 2030
- Buildings: 50% of homes and non-domestic buildings will need to convert to a low or zero carbon heating system by 2030, and the rate of zero emission heat installations in new and existing homes and buildings double every year out to 2025
- Electricity: Delivery of the actions in the Scottish Government Offshore Wind Policy Statement to support the development of between 8 and 11 GW of offshore wind capacity by 2030 and supporting the achievement of 2 GW of renewable energy being in local community ownership by 2030
- Waste: a commitment to end landfilling of biodegradable municipal waste by 2025 and recycling 70% of all waste by 2025
- Agriculture and land use: an increase of new woodland creation from current target level of 12,000 hectares annually in 2020-21 up to 18,000 hectares in 2024-25 and go beyond the current 20,000 hectare annual peatland restoration target

The Tailwinds emissions trajectory estimate is shown in **Figure 4**. Under this scenario, the emissions decrease from 2023 ktCO₂e in 2018 to 383 ktCO₂e by 2045. The greatest

⁷ https://www.theccc.org.uk/wp-content/uploads/2020/12/The-Sixth-Carbon-Budget-Methodology-Report.pdf

reduction is estimated to be in the residential sector, where emissions decrease by 524 ktCO₂e between 2018 and 2045 (98% reduction).

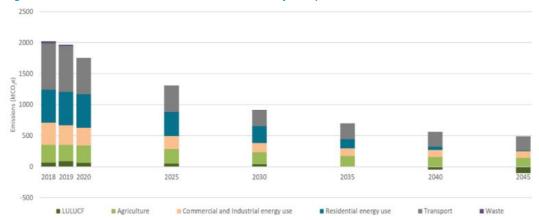


Figure 4: South Lanarkshire area-wide emissions trajectory under a tailwind scenario

3.3 Taking action locally

Historically the transport sector was the greatest emissions source in South Lanarkshire, followed by the residential sector. The largest contributors within these sectors were gas usage in residential homes, petrol car use and diesel car usage. Therefore, the council should prioritise reducing emissions across these areas to maximise emission reduction.

A list of recommended actions to tackle emissions reduction across each sector has been developed to enable the council to identify where action could be taken (see **Chapter 5** for further information). The council should engage with local housing association organisations as well as landlords and private owners to discuss how to incentivise replacing gas and oil-fired boilers with low-carbon alternatives as well as improving building fabric to reduce heat demand.

Reducing emissions from private car use involves both incentivising active travel and public transport through increasing accessibility, as well as reducing emissions from continued car use through enabling electrification or use of biofuels. The former should be prioritised due to associated co-benefits (see **Chapter 5**) and would involve engagement with bus and rail stakeholders to discuss ways to improve the frequency, connectivity, and cost of services within South Lanarkshire.

3.4 Residual emissions

Under the Tailwinds scenario there are currently predicted to be residual emissions in 2045 because not all emissions can be removed within this timescale according to the CCC data, but the amount of these emissions is highly uncertain.

Specifically, a significant portion of South Lanarkshire's transport emissions are from HGVs, and the optimal decarbonisation technology for HGVs is not yet certain⁸. The size and range of HGVs is a limiting factor in electrification.

⁸ https://www.theccc.org.uk/wp-content/uploads/2020/12/The-Sixth-Carbon-Budget-Methodology-Report.pdf Page 56.

The agriculture sector will not be able to reach zero carbon emissions without offsetting due to biologically occurring greenhouse gas emissions from livestock.

Overall, there is currently a projected estimated total residual emissions of $383 \text{ ktCO}_2\text{e}$. Therefore, offsetting these emissions would be necessary to reach net zero in the council area.

3.5 Considerations for offsetting

Offsetting enables individuals and organisations to compensate for any emissions they cannot avoid or reduce (residual emissions), by paying for a carbon credit i.e. to pay for an equivalent amount of emissions to be reduced or removed elsewhere. However, there is a significant amount of confusion around carbon offsetting, with variations in definitions and an immature market.

It is important to distinguish between funding activities which reduce emissions (either locally or elsewhere) and activities where emissions are removed from the atmosphere. The latter is needed to ensure true net zero is reached overall but the currently variable definitions of offsetting mean that some schemes do include carbon reduction projects due to varying demands and priorities.

Because climate change is a global issue and GHGs mix in the atmosphere, in practical terms it does not matter precisely where the GHGs are removed. However, carbon offsetting must always be considered last within the net zero strategy and the mitigation hierarchy, where GHG emissions are always reduced as far as practical first and offsetting should be used to counterbalance residual emissions⁹. The Climate Change Committee warns that offsetting is not a solution and that to reach net zero, "most sectors will need to reduce emissions close to zero without offsetting; the target cannot be met by simply adding mass removal of CO_2 onto existing plans." ¹⁰

These offsets, in the context of net zero, can be made through a wide variety of projects across a wide range of locations and might range from planting trees to enhanced weathering, from peat bog restoration to Carbon Capture and Storage (CCS).

Key considerations in weighing up offsetting options include:

• Carbon Price: Current offsetting costs are relatively low, sometimes under £10 per tonne. However, it is expected that offsetting costs will increase, partly due to rising demand but also because of increasing costs of abatement through time. However, there are two different types of data, which can cause confusion. Carbon values are used across government for valuing impacts on GHG emissions resulting from policy interventions. They represent a monetary value that society places on one tonne of carbon dioxide equivalent (£/tCO2e). They differ from carbon prices, which represent the observed price of carbon in a relevant market (such as the UK Emissions Trading Scheme). In the current BEIS valuation of greenhouse gas emissions, for policy appraisals and evaluation policy paper, the carbon values in £ 2020 prices per tonne CO2 under the Central series trajectory rise from £241 per tonne in 2020 to £351

⁹ ISO Net Zero Guidelines: https://www.iso.org/netzero

¹⁰ Committee on Climate Change (2019), Net Zero – The UK's contribution to stopping global warming, 2019

- per tonne in 2045^{11} . But, the most recent data on the projected **price** of carbon¹² grows from £14 (central estimate) per tonne of CO_2 in 2020 to £43 per tonne in 2030. Alternatively, a 2019 report has suggested a shadow price consistent with a net-zero target would start at £50 per tonne of CO_2 (with a range of £40–100) in 2020 and complete decarbonisation will require the use of negative emissions technology, which, at the scale required, could cost in the order of £160 (£125–300) per tonne of CO_2 in 2050¹³.
- Location: The geographic origin of carbon offsets is important to consider. Most carbon offsets available for purchase are generated by activities taking place in countries other than the UK. Carbon offsets from international activities can offer particular benefits: they tend to be lower cost than abatement options in the UK, maximising the value of each pound spent on climate change mitigation, and can also support wider sustainable development goals. However, domestic schemes can provide homegrown environmental and economic benefits (literally, in the case of tree planting) and may be a preferable option.
- Timing: South Lanarkshire Council will need to consider when any push to begin offsetting the council's or area's emissions should begin. One approach could be to wait until 2045 before offsetting residual emissions. This may focus minds on emissions reductions until that point. But other options could include setting up offsetting schemes and policies sooner, to help normalise the process and costs of offsetting, to increase the 'price' of carbon-intensive activities (and therefore de-incentivise them) and to help fund emissions reductions within the council area.
- Budget and ownership: South Lanarkshire Council will need to think carefully about the potential costs of offsetting area-wide emissions, particularly if the aim is to offset all scopes (i.e. including scope 3 emissions). The costs of doing this could be prohibitive, although support and collaboration with stakeholders could provide an opportunity to contribute to local carbon sequestration projects. And who should be responsible for offsetting? How will this be monitored and reported, ensuring transparency of data? One option could be for South Lanarkshire Council to choose to commit to offsetting all emissions from its own operations, and then encourage individuals and organisations to offset their own emissions (direct and indirect).
- Scopes: Should emissions from all scopes be offset? As highlighted above, costs of offsetting all indirect emissions could be prohibitive. And given they are difficult to quantify; it may not be possible to robustly measure how much carbon needs to be offset. Limiting the scope of what should be offset (e.g. Scopes 1 and 2) may be a pragmatic option and might also help avoid double counting.
- Quality and verification: Whichever option or scheme(s) South Lanarkshire opt for, it will be important to select an offset strategy that involves the purchase of robust, verifiable carbon offsets to ensure that any carbon offset:
 - Is additional

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/79418 6/2018-short-term-traded-carbon-values-for-appraisal-purposes.pdf

¹¹ <u>Valuation of greenhouse gas emissions: for policy appraisal and evaluation - GOV.UK</u> (www.gov.uk)

¹³ https://www.lse.ac.uk/GranthamInstitute/wp-content/uploads/2019/05/GRI POLICY-REPORT How-to-price-carbon-to-reach-net-zero-emissions-in-the-UK.pdf

- Avoids carbon "leakage"
- Is not double-counted
- Is permanent
- Does not overestimate the GHG reduction
- Does not cause the buyer to postpone its own mitigation actions
- Does not cause other environmental or social damage
- Is not claimed by other entities¹⁴.

In practice, it is very difficult to find carbon offset purchases that truly meet all of the quality criteria listed above¹⁵.

The Oxford Principles for Net Zero Aligned Carbon Offsetting¹⁶ provides a useful framework for considering priorities within the currently immature market place. Their four key principles are stated as:

- Cut emissions, use high quality offsets, and regularly revise offsetting strategy as best practice evolves
- Shift to carbon removal offsetting
- Shift to long-lived storage
- Support the development of net zero aligned offsetting.

With these concepts in mind, it is important that focused investments, whether defined as offsets or some other mechanism, are encouraged locally to support systematic GHG emissions reductions to as close to zero as possible. This will in turn limit the level of offsetting to be made by South Lanarkshire which pay for emission removals elsewhere.

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¹⁴ Broekhoff, D., Gillenwater, M., Colbert-Sangree, T., and Cage, P. (2019) Securing Climate Benefit: A Guide to Using Carbon Offsets. Stockholm Environment Institute & Greenhouse Gas Management Institute.

¹⁵ http://www.anjakollmuss.com/posts/unterstanding-carbon-offsets/

¹⁶ https://www.smithschool.ox.ac.uk/sites/default/files/2022-01/Oxford-Offsetting-Principles-2020.pdf

4 Stakeholder engagement

In September 2022, Aether led an internal Council workshop to engage all relevant departments and teams including Education and Learning, Planning and Building Standards, Housing, Roads and Transport, Waste, Economic Development and Corporate Communications.

The workshop was used as an initial touch point with the departments to engage them on the South Lanarkshire Plan for Net Zero and to identify current and future planned actions within each department to reduce emissions across the council area.

Following this internal workshop and to expand discussions on the projects and actions identified at the internal workshop, Aether led a workshop for external stakeholders deemed crucial in reducing emissions across the South Lanarkshire area.

Delegates from across 14 organisations attended, as well as elected members from South Lanarkshire Council. Attendees are listed in **Table 3** which also includes the list of organisations who wished to attend but who were unable to, in addition to those who were invited and did not attend.

This workshop was used as initial engagement and to garner support from external stakeholders on South Lanarkshire's Plan for Net Zero The workshop gave each organisation to provide information on their current and planned actions that could support South Lanarkshire Council in their journey to Net Zero.

Breakout discussions were held between similar organisations to gain an understanding of the sector-specific planned and implemented actions within the area. The topics in the breakout groups covered:

- How South Lanarkshire Council's plan fits with external organisation objectives:
- How organisations can support South Lanarkshire Council in achieving net zero; and
- What matters to the clients and customers of organisations when aiming for net zero

Responses varied across groups (see **Table 4**), with some stakeholders wishing for greater clarity on the council's plans. Funding, return on investment, and cost of energy prices were identified as the main concerns to organisation's clients.

The topics in a second set of breakout group discussions covered:

- How likely the attendees felt their organisations or South Lanarkshire Council will meet their emission reduction targets/implement plans and projects;
- What barriers and challenges are in place for attendees' organisations and/or South Lanarkshire Council's aspirations in meeting net zero; and
- What South Lanarkshire Council and/or attendees could do to drive action or reduce these barriers

Generally, barriers identified covered gaps in funding (from central government and private sector) and skills in manufacturing and deploying low carbon technologies (see **Table 5**).

Proposed solutions to these barriers included wider knowledge sharing and use of case studies to highlight climate action efforts (local or otherwise) to reflect on successes and failures to learn from other areas.

Table 3: List of organisations who attended the external stakeholder workshop

Attended

Forestry and Land Scotland Agriculture and Land Use
National Farmers Union Scotland Agriculture and Land Use
SAC Consulting Agriculture and Land use
East Kilbride Housing Association Housing Association

NHS Lanarkshire Health Service

CALA Housing developer

Stewart Milne Housing developer

Taylor Wimpey Housing developer

Elected Members South Lanarkshire Council

Glasgow City Region Transport & Economic Development

New College Lanarkshire Skills development

Scottish Enterprise Transport & Economic Development
Strathclyde Partnership for Transport Transport & Economic Development

University of West Scotland Education

Sustainable Scotland Network Public Sector

Expressed interest but were unavailable to attend

Clyde Valley Housing Association Housing Association

Clydesdale Housing Association Housing Association

Miller Housing developer

Robertson Housing developer

Banks Group Property development and renewable generation

Scottish Communities Action Network Third Sector

Invited but did not attend

Scottish Power Energy Networks Energy

East Kilbride Housing Association Housing Association
West of Scotland Housing Association
West Whitlawburn Housing Cooperative Housing Association
Business Gateway Skills development
Skills Development Scotland Skills development
VASLan Skills development

Table 4: Summary of the first breakout discussions

Housing Associations	Opportunities to contribute to decarbonisation through air source heat pumps (ASHP) and EV chargers in new builds, retrofit insulation in existing buildings.	Cost of energy bills is important to clients/customers, which ASHPs should reduce, although current prices may delay uptake.	Organisations are keen to support South Lanarkshire's net zero plan. Funding opportunities will need to be identified.
Housing Developers	All have emission reduction targets, ranging from gas free by 2024 to decarbonisation by 2045.	Can provide timelines for planning regulations and review Section 75 contributions to support SLC in achieving net zero.	Reduced bills, return on investment, ease of use, and longevity identified as matters important to clients/customers.
Transport and economic development	Plans broadly align with SLC, in addition to wider plans on economic opportunities, skills development etc. Clearer messaging on SLC's plans would be appreciated.	Education institutions can equip people (particularly locally) with the knowledge and skills to communicate and deploy low carbon technologies.	Current energy prices are main concern for businesses and transport companies, along with recovery from COVID-19.
Agriculture and land use	A change in consumption is not that linked at a local authority level – livestock reduction in South Lanarkshire will mean a rise in consumption emissions elsewhere to meet current demand.	SLC can be supported through discussions with stakeholders e.g. farmers, Forestry and Land Scotland to discuss carbon reduction opportunities through land use e.g. peat restoration, tree planting and regeneration.	Funding that delivers practical actions e.g. agroforestry, peatland restoration, habitat creation.

Table 5: Summary of the second breakout discussions

Cross-cutting	Communication and consistency between departments (facilitated by long lead up times) highlighted as important needs.	Barriers include renewables costs while keeping rents affordable, predictable funding, and addressing a risk-adverse culture.	Addressed through leadership, cross-agency work, mapping green job opportunities, community planning, and officers challenging national government
Housing	Overall feeling that targets could be met but thinking and action is fragmented across stakeholders. Confident in zero gas in new builds by 2024.	Barriers include retrofitting and maintenance of existing buildings and supporting elderly and vulnerable populations - cost/messaging around uptake and understanding the technology. Is the grid equipped for an electricity transition?	Solutions include review the planning system for renewables, apply for more funding (in collaboration with other HAs), consumer education programmes to educate residents, and development of a Scotland equivalent of the England Future Homes Hub Roadmap.
Transport and economic development	Reaching net zero currently feels unlikely due to the scale of the challenge. Action currently feels like it is driven from top down rather than bottom up. Climate change currently low priority for businesses and general public due to cost of living, COVID-19 etc.	Skills gap identified as a major barrier. Staff and infrastructure lacking due to lack of funding and encouragement. Negative mindset also identified, linked to scale of problem, and lack of individual action. Infrastructure development needed — transport network developed in/out of city centre but remaining areas less connected. Funding is an overarching issue.	Barriers can be addressed through communication plans and ideas; local and wider knowledge sharing. Use of case studies to encourage businesses to take risks/show that actions can be beneficial. Reframe discussions – job and skills opportunities, new growth, wider impacts of emissions reduction. Celebrate successes and note where actions weren't as successful.
Agriculture and land use	No response was provided to this question.	One barrier identified was on liability e.g. who is responsible for peatland restoration? Others included inconsistencies in carbon trading schemes and their accreditation proposed to individual farms and uncertainty around what the environmental conditionality of payment will look like.	Support could include biodiversity net gain funding, SLC embedding carbon mitigation into the land use planning process, biochar application, and use of local renewables to decarbonisation farm operations e.g. community windfarms.

5 Co-benefit review and action matrix

An Action Matrix has been developed for South Lanarkshire Council to present a list of actions needed across the council area to reach net zero. The list has been supplemented with additional information such as potential emissions savings and insight gained from the internal and external stakeholder workshops. The Matrix has been presented in an excel file (titled *ActionsCo-benefitsMatrixFinal.xlsx*) enabling users to filter for specific parameters. It is illustrated below but is best viewed in Excel.

It is proposed that the council use the Action Matrix as a reference internally, to periodically review progress of ongoing actions, and to identify future climate actions. The resource can also be updated with new information on ownership and partnerships for actions once external stakeholders have been engaged in more detail.

The recommended actions to reduce the area-wide emissions were developed and framed around the actions assumed within the CCC Tailwinds scenario, presented by sector (Figure 5). Details of the CCC Tailwinds scenario are provided in section 3.2.

The content of the action matrix is as follows:

- **Sector**: The actions are colour-coded by sector the action is relevant for
- Category: Summary of the type of action
- Recommended action: Actions recommended by the CCC to reach net zero linking to local actions identified in stakeholder workshops
- **Emissions saved**: Indicative emissions savings for each action, categorised in high, medium, and low
- **Implementation:** Whether the action is led by the council, or the council provides an enabling role
- **Timeframe**: Indicative timeframes for when the planning, implementation, and widespread rollout for each action should occur
- Council role: Identifying whether the council is leading, coordinating, or enabling engagement
- **Stakeholders**: Examples of lead and support stakeholders that could lead or assist in the completion of the action
- **Co-benefits**: Matrix of rating the co-benefits associated with each actions classified under the following headings: social, economic and environmental

There will be considerable co-benefits accrued as a result of taking significant action to reduce GHG emissions in the area. The co-benefits for each action identified were given a rating ranging from '++' where the climate action could have significant positive wider impacts to '-' where the climate action could conflict with other priorities. Ratings were assigned based on previous analysis and literature review undertaken by Aether^{17,18,19}.

¹⁷ Aether Wider Impacts: https://aether-uk.com/Products-and-Services/Policies-and-Wider-Impacts/Wider-Impacts

Wider impacts of climate action in Luxembourg: https://aether-uk.com/CMSPages/GetFile.aspx?guid=6ea193e8-dca3-4736-a5d5-5ca3ef8c21c9
 Wider impacts of climate mitigation and adaptation actions in Jersey: https://aether-uk.com/CMSPages/GetFile.aspx?guid=c8608aa3-1fbc-4ef0-af0b-c8186496b2f7

Figure 5: Screenshot of the co-benefit and action matrix

					1		1							nefits of action outcomes Economic Environmental					
											Socia	!			Econ	omic		Enviro	imental
										Engaging local									
					Timefr					residents and					Driving a				Increasing
							-			businesses in					fair		Building a		biodiversity,
					Implemen					climate action;					recovery	Providing	green, low		improving
			Emissions			learly Widespread		Lead	Support	changing	health and	fuel		Minimising	from	skills and	carbon	Improving	soil and
Sector	Category		saved		Plan and engag actions)	rollout	Council role	stakeholders		behaviour	wellbeing	poverty	inequality	waste	COVID-19	green jobs	economy	air quality	water quality
Transport		el. Continue to work with schools, colleges and large employers to develop travel plans which decrease u		Enabling	2023		Coordinating		Local schools, co	**	**	0		0	•	0	0	**	. 0
Transport	Active trave	el. Continue to promote cycling and walking in South Lanarkshire thorugh network improvements to creat	Medium	Council	2023		0 Leading		SPT	**	**	0	•	0	•	0	0	••	0
Transport	Active trave	el. Continue to implement supportive measures to encourage modal shift to active travel, and monitor in	Medium	Council	2023	2025 203	0 Leading		Cycling Scotland,	**	**	0	•	0	•	0	0	••	0
Transport	Public trans	sp Design and develop a Park and Ride (Travel Hub) site	Low	Enabling	2025		Leading		First Bus, Stageo	•	+/0	0	0	0	0	0	+/0	+/0	0
Transport	Public trans	sr Continue to engage with and promote travel schemes and discounted tickets	Medium	Council	2023		Enabling engageme	SPT	Network Rail, Firs	•	+10	0	**	0	+10	0	•	+10	0
Transport	Public trans	sp. Work with local universities and colleges to investigate how public transport connections to/from an	Medium	Enabling	2025		Enabling engageme	University of Wes	t Scotland, Glasgo		0	0	•	0	0	0	0	0	0
Transport	Public trans	sp. Continue to improve the availability, quality, frequency and reliability of public transport	Medium	Council	2024		Enabling engageme	SPT	Network Rail, Firs	•	0	0	**	0					0
Transport	Public trans	sp. Transition bus fleet to electric and work towards Euro 6 by retrofitting existing fleet, all buses entering	Medium	Council	2030	2035	Enabling engageme	First Bus, Staged	oach, SPT	0		0	0	0	0				0
Transport			Medium	Council	2025	2030	Enabling engageme			•	0	0	•	0	•			•	0/-
Transport			Low	Council	2025		Enabling engageme		SPT	0	**	0	0	0	0			••	0
Transport			Medium	Council	2023	2028 204	0 Coordinating	Fastned		**	•	0	0	0	0			•	0
Transport		nic To support residential EV charging and to develop the on-street EV charging network, the Council will create	High	Enabling	2024	2024	Leading			**	0	0	+/0	0	0		0		0
Transport	Electric vehi	nic Support EV infrastructure development at taxi ranks for drivers across South Lanarkshire e.g. loc	Low	Enabling	2025		Coordinating	Fastned, taxi corr	panies	•	•	0	0	0	0				0
Transport	Infrastructur	ure All major residential and commercial planning applications to include a Travel Plan in line with cu	Low	Enabling	2023		Leading			•	•	0		0	+40	0	0	+10	0
Transport	Other		Medium	Enabling	2025	2030	Leading			•	•	0	0	0	0	•	•	•	0
Transport	Freight	Supportive measures to enable freight consolidation, use of rail freight and renewable fuels	Medium	Enabling	2030		Coordinating	Local businesses	delivery companie	•	0	0	0	•	•	•	•	•	0
Transport	Governance	e Continue to implement traffic monitoring mechanisms e.g. Urban Traffic Management Control. Traf	Low	Enabling	2024	2025	Leading			0	+/0	0	0	0	0	0	0	•	0
Transport		e Establish a formal partnership with bus operators with the objective of a more joined up public trans		Enabling	2024		Leading		SPT, First Bus, S	•	0	0	•	0	0	0	0	•	0
Transport		e Incorporate 15-minute neighbourhood approach that accelerates the transition to a zero-emission road tran		Enabling	2024		Leading	Developers		**	•	0	•	•	0	0	•	•	0
		m Setout the level and likely cost of homes retrofits required to meet net zero by 2045. Set		Enabling	2023		5 Leading		Social and private	+10	0	0	0	0	0	0	0	0	0
		m Monitor progress towards percentage of homes retrofit annually. Achieving these targets is highly depended		Enabling	2023	2030 203	5 Leading			**	**	**		0	0	0	0	0	0
Residential b		Ensure that there is planning guidance available to developers, households and landlords that clearly explain		Enabling	2025		Leading		Developers, landl		٠	**	•	0	0	**	•	•	0
Residential b		Review and update the draft Local Plan to ensure policies that promote net-zero carbon developme		Enabling	2025		Leading	l	I	•	•	**	•	0	0	•	•	0	0
		a Ensure that skills development for housing improvements is integrated within wider employment initiati		Enabling	2023		Enabling engageme	Local colleges e.		••	•	U	•	0	•	••	•	0	0
		Provision of sufficient resources for communications about and enforcement of new building regul		Enabling	2023		Leading		Developers	•	**	**	••	0	0	0	U	•	0
		nt Establish Landlord licencing including phased energy efficiency improvements with EPC level and carbo ra Ensure that residents have access to impartial advice through information campaigns and sign-p		Enabling	2023 2024		Leading			•	-:	- :	0		+(0	+/0	+10	· 0	0
		ralensure that residents have access to impartial advice through information campaigns and sign-pa a Engage with supply chain of installers to encourage them to reach out to meet new demands. Support		Enabling Enabling	2024		Leading Coordinating			**	•	0	+/0	0	+/0	- 0	*10	0	
		a Engage with supply chain or installers to encourage them to reach out to meet new demands, support nt Retrofit zero carbon demonstration / show home(s) (council owned property) to provide real ex		Enabling	2025		Leading				0	0	+ru N	0	-10	0	0	0	
		m Building on existing awareness raising (as above), work with neighbouring local authorities to establish a bu		Enabling	2027		Leading		Neighbouring auti		0	0	0	0	0	+10	ů	0	
		New housing developers to provide low carbon new homes built to the Future Homes standard		Enabling	2025		Coordinating	Developers	rueignbodinig add	**		••	•	•	0	*10			
			High	Enabling	2023		Leading			- :		**		0	•		+/0	-	Ö
		cir Continue to encourage detailed energy audits of business and public sector buildings	High	Enabling	2023		Enabling engageme	nt .	Local business ar	<u> </u>	0	0	0	ŏ	0	Ö	0	0	ů
		Review and update the draft Local Plan to require high standards of energy performance and	Medium	Enabling	2023	2025	Leading	Ϊ	arababilicas di	· ·	·	Ť	•	•	0	•	·	•	ů
		nt Establish a South Lanarkshire climate change partnership to co-ordinate regular energy and clim		Enabling	2023	2025	Leading		Business and pub		0	0	0	0	0	0	0	0	ŏ
		orly Develop more detailed heat network plan (based on existing heat mapping work and town centre master plan		Enabling	2023	2025	Leading		pac	0	0	+10	Ů.	ő	0		i i	ő	Ö
		nt Provision of support and advice to local business on transition to net zero	Low	Enabling	2023	2025	Leading			**	0	0	0	0	0		•	Ö	0
		rc Provide support to business and public sector property owners to invest in retrofit to reduce	High	Enabling	2023	2025	Enabling engageme	nt		**	0	0	0	0	•			Ö	0
Waste		y (Public awareness campaign on waste prevention through changing patterns of consumption and i		Enabling	2023	2024	Leading			**	0	0	0	••	0	0	0	0	0
Waste	Planning	Review and procure waste disposal contract to incentivise waste reduction and increase recycling rate	Low	Enabling	2024	2025	Leading			0	0	0	0	•	0	0	0	0	0
Waste		y (Community and business partnership initiatives applying waste minimisation and circular economy		Enabling			Enabling engageme			•	0	0	+/0	**	0	+/0	•	0	0
Waste	Retrofit	Installation of carbon capture and storage technology to all energy from waste plants. To be made	High	Enabling	2040	2045 204	5 Leading	Viridor Dunbar EF		0/-	0	0	0	0/-	0	•	0	0	0
Agriculture	Engagemen	nt Engage with farmers, farming groups, and other related stakeholders to discuss best outcomes for land																	
			Medium	Enabling	2023		Enabling engageme	NEU		•	+10	0	0	0	0		•		**
Agriculture	Community	y Engage with the public to discuss how to be conscious about where their food is sourced, and to																	
		reduce food waste	Low	Enabling	2023		Enabling engageme			**	0	0	0	••	0	0	0	0	0
Land Use			Medium	Enabling	2023		Enabling engageme		d Scotland	•	•	0	0	0	0	•	0	•	••
Land Use	Planning/en	ng Engage with key stakeholders to discuss how to effectively increase the amount of peatland restored	Medium	Enabling	2023		Enabling engageme	nt		•	+/0	0	0	0	0	•	0	-10	**

Examples of the co-benefits covered are as follows:

- Improvements to health and wellbeing as a result of improved air quality and safer streets, increased activity from people walking or cycling more, reduced fuel poverty and improved health from more energy efficient homes and healthier diets. Whilst shifting to electric vehicles from petrol and diesel is an important aspect of the route to net zero, electric vehicles are not a panacea. Actions to encourage active travel and reduce private vehicle use should be pursued with vigour.
- Improved equity and social cohesion through focusing on the most vulnerable in society, such as action to alleviate fuel poverty or create access to green spaces.
 Increasing the energy efficiency of homes can reduce fuel bills, increase comfort, and reduce the effect of heatwaves or cold spells.
- Economic benefits through reduced expenditure on energy as well as the creation of a wealth of economic opportunities and jobs. Transforming the transport sector has huge potential economic benefits. Reducing LGV and HGV use by increasing "first/last mile delivery" using cargo bikes can reduce emissions and save businesses on delivery costs.
- Increased resilience of towns and their communities to future changes in energy prices
 and energy systems, as well as a potential increase in the resilience of communities and
 infrastructure to the impacts of climate change. The temperature in homes that are
 highly energy efficient will be less affected by heatwaves, being more comfortable and
 less of a stressor on residents.

6 Conclusions and recommendations

6.1 Conclusions

This report has been designed to support South Lanarkshire Council in understanding their baseline carbon emissions and trajectory to 2045 for the wider Council area. It also summarises stakeholder engagement to date and work to identify further projects and actions to prioritise within South Lanarkshire. Actions identified have been classified in terms of potential for emissions reduction, stakeholders that should be involved in implementation and the wider social, economic and environmental impacts expected to be achieved.

Considerable emission reduction is evident across the Council estate to date and, given the relatively small proportion of emissions from the Council estate in comparison to the Council area, focus should be drawn to emission reduction projects and actions beyond the Council estate. This will maximise emissions reduction and the likelihood of the whole area reaching net zero.

This report can be used to engage and work with internal Council departments and wider stakeholders to plan and develop emissions reduction projects and actions to best assist South Lanarkshire Council in achieving net zero by 2045.

6.2 Recommendations

- 1. To achieve maximum emission reduction, priority should be given to area wide emission reduction projects particularly in the sectors of the highest emissions of transport and residential energy use, with a focus on the actions identified as having a high impact on reducing emissions and bringing important co-benefits (see Key priority actions in **Table 6** below).
- 2. Further engagement and co-ordination are needed across all relevant Council departments with a focus on developing area-wide emissions projects.
- 3. Information needs to be shared with wider stakeholders, including the public, to raise awareness and profile of South Lanarkshire's journey to net zero:
- Develop a climate change landing page on the Council's website or separate a separate local climate change site to provide further information to residents and wider stakeholders.
- b. Create an outward facing Route map document for consultation to encourage further engagement.
- 4. Further engagement is needed with external stakeholders to support and implement local projects and actions, building on the Council's knowledge and local influence.
- 5. Connect and learn from other Scottish local authorities demonstrating notable climate change action planning e.g. Aberdeenshire Council, Perth and Kinross Council, Dundee City Council and Highland Council.
- 6. To enable focused further action on Council carbon emissions reduction, further data analysis is required on council emissions, in particular building energy use, in order to establish council department estimates and carbon budgets.

7. Create a detailed Action Plan based on the recommendations listed above and below to define what the Council needs to do to reduce emissions across different sectors, identify gaps and need for additional resources.

Table 6 Key priority actions for SLC to enable decarbonisation across the council area

Transport	Roads and Transport : Active Travel Projects	Promote cycling and walking in South Lanarkshire through network improvements to create safe cycling and walking routes	Engage Transport and Streets Department to identify their plans for improvements. Appoint external agency e.g. Sustrans or Cycling Scotland to review and assess infrastructure and make recommendations on connecting neighbourhoods
Transport	Roads and Transport: Parking and Car Parks	Increase the amount of EV charging points across the council area.	Engage with relevant EV charging solutions companies. Install chargers in all public car parks and at council and other public buildings. Ensure that all new residential and commercial developments include charging infrastructure. Trial on street chargers in areas where there is no offstreet parking.
Transport	Roads and Transport: Public and Community Transport	Improve public transport provision across the council area and support its use through incentives	Engage with local public transport providers to ensure joined up provision for employment, education and retail etc. Connections with the planned park and ride scheme. Consider financial incentives to increase use rates, potentially in parallel with changes to parking provision if appropriate.
Buildings	Education and Learning: Youth, Family and Community Learning	Enable skills development for net zero building retrofits.	Provision of training courses and apprenticeships by local colleges. Provide carbon literacy information and training for the public.
Buildings	Planning and Building Standards: Development Plans	Review and update the South Lanarkshire Local Development Plan 2 when appropriate to require high standards of energy	Work collaboratively with Planning and Building Standards Service to ensure energy performance standards

		performance and low carbon heat for new build and refurbishment of commercial properties	are included, enforced and reviewed.
Residential	Housing and Homelessness: Council and Social Tenants and Private Renting and Landlords	Set targets for % homes retrofits needed per year to meet EESSH2, ensuring those in fuel poverty are not adversely affected	Engage Housing and Technical Resources for scoping exercise for improvements to social housing properties. Identify the likely cost of home retrofits required to meet EESSH2 following the outcomes of the Scottish Government's review of the specifications and timescales within the standard.
Transport, Buildings, Residential, Non- residential	Roads and Transport, Education and Learning, Planning and Building Standards, Housing	Following Stages 1-4 of LHEES methodology outputs, determine what needs to be done to change buildings and local infrastructure over the coming years to fulfil Scottish Government objectives and local priorities.	Create a cross-Resource working group to take forward development of LHEES. Integrate LHEES appropriate actions into cross Council policies and strategies.
Non-residential	Climate Change & Sustainability: Sustainable Development and Climate Change Strategy	Establish a local climate change partnership	Support information sharing by local business and organisations through a local forum.
Non-residential	Business and Trade: South Lanarkshire Means Business	Support local businesses and organisations in making good decisions about carbon reduction	Provide information about buildings energy audits, and the development of business cases. Provide links to local trades and suppliers of low carbon solutions.
Waste	Waste: Bins and Recycling	Public awareness campaign on waste prevention through changing patterns of consumption and its connection to climate change	Work with Waste Department to schedule communications to residents with a strong climate focus
Agriculture	Environment: Land Management	Engage with farmers and other land owners to discuss land quality and carbon sequestration	Create a working group with local farmers and land owners to identify key sites and develop projects, potentially also including peatland restoration where applicable.

Engage forestry groups and land owners to discuss and land owners to how to effectively increase identify key sites and woodland coverage

Work with forestry groups develop projects

Appendix 1

Table A1: Data sources for South Lanarkshire area GHG inventory

Data Source	Sector	Description
Department for Business, Energy and Industrial Strategy (BEIS): 'Sub-national electricity sales and numbers of customers'	Commercial, Residential	This dataset provides energy consumption data for domestic and commercial electricity use in the South Lanarkshire area.
Department for Business, Energy and Industrial Strategy (BEIS): 'Sub-national weather uncorrected gas sales and numbers of customers'	Commercial, Residential	This dataset provides energy consumption data for domestic and commercial gas use in the South Lanarkshire area.
Department for Business, Energy and Industrial Strategy (BEIS): 'Residual fuel consumption at regional and local authority level'	Commercial, Residential, Industrial	This data set provides consumption data for other fuels, non-gas and non-electricity for domestic, commercial, industrial and non-road transport use in the South Lanarkshire area.
Department for Business, Energy and Industrial Strategy (BEIS): 'Road transport energy consumption at regional and local authority level'	Transport	This dataset provides fuel consumption data (diesel and petrol) for road vehicles in the South Lanarkshire area.
Department for Business, Energy and Industrial Strategy (BEIS): 'UK local authority and regional carbon dioxide emissions national statistics'	Land Use	This dataset provides emissions data for land use categories in the South Lanarkshire area.
The Scottish Government's Rural and Environment Science and Analytical Services (RESAS): 'Livestock by Local Authority 2017-2019'	Agriculture	This dataset provides livestock numbers for the South Lanarkshire area.
UK Centre for Ecology and Hydrology (CEH): 'LCM land use by county 2015'	Agriculture	This dataset provides agricultural N₂O emissions due to land use for the South Lanarkshire area.
Scottish Government: Scottish Agricultural Census: June 2021	Agriculture	This dataset provides agricultural data for Scotland allowing livestock numbers to be estimated for 2020.
South Lanarkshire Council Waste processing data	Waste Processing	Data received by email providing data on the tonnages of waste composted, recycled, and sent to the EfW facility (18 August 2022).



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Report

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Report to: Climate Change and Sustainability Committee

Date of Meeting: 14 June 2023

Report by: Executive Director (Community and Enterprise

Resources)

Subject: The Role of Planning and Building Standards

1. Purpose of Report

- 1.1. The purpose of this report is to advise the Climate Change and Sustainability Committee on:-
 - recent changes to national spatial planning policy and Building Regulations and to outline the role of the Planning and Building Standards service in delivering the Council's climate change and sustainability ambitions

2. Recommendations

- 2.1. The Climate Change and Sustainability Committee is asked to approve the following recommendation(s):-
 - (1) note the details set out in this report in terms of national spatial planning policy and the Building Regulations, together with the role of the Planning and Building Standards Service in delivering the Council's climate change and sustainability ambitions.

3. Background

- 3.1. Tackling the twin climate and nature crises is one of the key ambitions set out in the Scottish Government's Programme for Government 2022-23. The way in which land and buildings are used and the protection of the natural environment are identified as actions to achieve climate change and nature targets alongside the decarbonisation of homes and buildings and a just transition to net zero.
- 3.2. Specific measures that have been implemented by the Scottish Government recently include changes to the Building Regulations in February 2023 which introduce new energy standards covering energy performance, overheating and ventilation for new buildings and renovations (further changes relating to electric vehicle charge points will come into effect in June 2023) and the adoption of National Planning Framework 4 (NPF4) also in February 2023 which represents the national spatial strategy for Scotland to 2045.
- 3.3. These changes were anticipated during the preparation of the Council's Sustainable Development and Climate Change Strategy 2022 to 2027 and several of the priorities in the action plan reflect the role of the Planning and Building Standards Service in delivery the strategy.
 - Priority 3 supporting towns and town centres to transition to net zero
 - ♦ Priority 4 ensuring climate change, access to services and active travel forms part of the design of new residential developments

- Priority 5 developing a place-based approach to climate action
- Priority 5 Review new build home specifications to meet national low or zero carbon emissions heat requirements and for new non-domestic buildings to achieve maximum energy efficiency
- Priority 6 prepare Local Development Plan 3 and an Open Space strategy
- ♦ Priority 10 promote measures to increase biodiversity

4. Changes to Building Regulations

4.1. A new version of the energy standards in Scottish Building Standards came into force on 1 February 2023. This covers energy performance, overheating, and ventilation in residential and commercial buildings and the changes are aimed at making buildings more energy efficient and environmentally friendly. Any new domestic or non-domestic developments subject to a building warrant application from that date are required to demonstrate compliance with the new standards.

4.2. The main changes can be summarised as follows;

- higher targets have been introduced for the energy and emission performance of new buildings, which will result in a 32% reduction in carbon emissions for domestic buildings and a 20% reduction for non-domestic buildings compared with prior targets
- a new method of measuring a building's expected energy demand has been introduced which shifts the focus from a building's carbon output to the amount of energy it will require to function. The aim to ensure the installation of lowenergy heating systems and other energy-saving systems
- higher fabric standards for new homes have been introduced in terms of lower u-value targets. The lower the u-value of a fabric, the more slowly heat is able to transmit through it and so the better it performs as an insulator. This means that more insulation (and/or better insulating materials) will be required in new-build homes to meet the new requirements
- in order to avoid the overheating of highly insulated buildings in hot weather and the corresponding need for energy-consuming mechanical ventilation such as air conditioning, new requirements for "overheating checks" have been introduced for new dwellings which will involve checking the number of windows and openings in a building to ensure solar gains are not excessive and free air movement is supported
- 4.3. In addition, further changes were introduced on 5 June 2023 involving a requirement for electric vehicle charging to serve new buildings and those subject to major renovation. For new domestic buildings, enabling infrastructure should be provided to each parking space within the curtilage of the development site. An electric vehicle charge point socket should be provided per dwelling. Installation should be cost-effective so that where the cost of providing the electrical supply to the site exceeds an average of £2,000, then only the enabling infrastructure needs to be installed.
- 4.4. Where more than 10 car parking spaces are provided within the curtilage of a non-domestic building, enabling infrastructure for charge points should be provided to at least 50% of the spaces. It should be noted that Supporting Planning Guidance on electric vehicle charging infrastructure was approved by the Planning Committee last year and is being used to assess relevant proposals, however, it will be reviewed in light of these changes.

5. National Planning Framework 4

5.1. NPF4 was adopted by the Scottish Government on 13 February 2023. It represents the national spatial strategy with the overall aim of improving people's lives by making

- sustainable, liveable and productive places and will have a clear role in delivering the UN Sustainable Development Goals as well as national outcomes.
- 5.2. The Planning Act now requires the preparation of Local Development Plans and the determination of planning applications to accord with NPF4 and the six outcomes it is required to achieve, namely:-
 - improving the health and wellbeing of the people
 - increasing the population of rural areas
 - meeting housing needs
 - improving equality and eliminating discrimination
 - meeting targets for emissions of greenhouse gases
 - securing positive effects for biodiversity
- 5.3. An overarching principle of NPF4 is to ensure future places will be net zero and nature-positive, designed to reduce emissions and adapt to climate change, as well as protecting, enhancing and restoring the natural environment. Low and zero carbon design and energy efficiency is encouraged while new development should be accessible by sustainable transport with a focus on reusing previously developed sites in recognised settlements. There is also a commitment to a just transition and the creation of a circular economy.
- 5.4. NPF4 includes 33 policies on separate topics for the development and use of land which are to be applied in the preparation of local development plans (LDPs); local place plans; masterplans and briefs; and for determining planning applications. All of the policies should be taken and applied as a whole.
- 5.5. The Scottish Government has advised that further detailed guidance will be produced over the next 12-18 months that will provide more detail on these themes. This will help inform the format and content of new LDPs and aid the assessment of planning applications.

6. Future Steps

- 6.1. The changes to Building Regulations and the adoption of NPF4 described above will be implemented through normal service delivery. On a day to day basis, the assessment of applications for planning permission and building warrants is already required to take account of the changes. They have introduced challenges in relation to skills and experience and a training and development programme is being developed to address any skills gaps and training needs.
- 6.2. Work on the preparation of a replacement Local Development Plan 3 will formally start later this year. The new LDP is required to take into account NPF4 as well as the Council's Community Plan. NPF4 sets out what LDP3 will be required to address the key relevant points including:-
 - ♦ addressing the climate emergency and nature crisis by ensuring the spatial strategy will reduce emissions and adapt to current and future risks of climate change and promoting nature recovery and restoration
 - reducing, minimising or avoiding greenhouse gas emissions. New development should be guided to, or involve the creation of, sustainable places
 - promoting nature recovery and restoration through the creation of nature networks, the strengthening of connectivity and increasing biodiversity. They should promote nature recovery and restoration and incorporate measures to increase biodiversity. Natural places and soils are to be identified and protected and be taken into account when allocating land for development

- promoting compact urban growth by limiting urban expansion. Opportunities for the sustainable re-use of brownfield land including vacant and derelict land are to be set out
- allocating future development where it can be accessed by sustainable modes and encourages and enhances active travel. A place-based approach will be used that reduces car dominance and reflects the principles of local living
- requirement for LDPs to take account of the Local Heating and Energy Efficiency Strategy and reflect areas of heat network potential and designated Heat Network Zones
- avoiding identifying new development in areas of flood risk and take account of the probability of flooding from all sources with a precautionary approach taken.
 Places should be resilient to flooding and water resources used efficiently and sustainably
- Identifying and protecting blue and green infrastructure assets and networks and enhancing and expanding existing provision
- 6.3. The way in which the plan will be produced is changing in that, as a first stage, an evidence report that will inform the spatial strategy must be prepared and submitted to Scottish Ministers for a 'gatecheck'. It is only once the evidence report has been cleared that work can start on the proposed plan. The new system requires extensive engagement with key agencies as well as partners and local communities throughout the process. Collaboration with other Council services, partners and external organisations who can provide information and evidence on climate and sustainability issues will be important.
- 6.4. The Scottish Government published guidance on how to prepare LDPs on 24 May 2023. At the evidence report stage information required to be submitted includes:-
 - local sources of greenhouse gas emissions
 - ♦ local opportunities for greenhouse gas sequestration and storage
 - the likelihood and severity of climate risks in the plan area currently and in the future
 - who is likely to be affected by climate change
 - areas of heat network potential
 - designated heat network zones
 - existing nature networks
 - details of degraded habitats

Overall, the evidence should be used to develop policy options that will reduce climate change causing emissions and support adaptation while promoting nature recovery and restoration.

- 6.5. The preparation of the Open Space Strategy (OSS) will be carried out alongside the new LDP and will form part of the evidence report referred to above. The OSS is to set out policies and proposals on the development, maintenance and use of green infrastructure. Draft guidance, published in 2021, outlined the 6 outcomes that are expected to be achieved and include securing positive effects for biodiversity and mitigation of and adaptation to climate change.
- 6.6. A review of the Council's existing Residential Design Guide has started. Rather than a traditional planning document, the revised version will incorporate a joint planning and building standards approach to the design and layout of new housing sites to ensure energy efficiency and net zero emissions targets are an integral part of the process. This approach will also be used in relation to other forms of development through the preparation of a customer journey map.

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6.7. In terms of determining planning applications, as noted above, additional detailed guidance is awaited from the Scottish Government. A letter from the Chief Planner in February set out some specific advice in relation to the climate and nature crises. Firstly, while policy prioritises this in all decision making, it will be for the decision maker to determine whether the significant weight that is to be applied tips the balance in favour or against a proposal on the basis of its positive or negative contribution to the climate and nature crises. The advice also refers to the future development of a methodology for calculating or minimising emissions, however, in the meantime, the emphasis in decision making should be on reducing emissions as far as possible rather than eliminating al emissions. Quantitative assessments are required only for some major development proposals although no thresholds have been provided.

7. Employee Implications

7.1. The introduction of the changes to the Building Regulations and NPF4 has identified a range of training and skills gaps that will inhibit their implementation. The Planning and Building Standards service is putting together a training and development plan to address this. This will include identifying officers who seek to specialise particular topics.

8. Financial Implications

8.1. The implementation of the changes will be carried out by current establishment. As noted above, however, additional training requirements are likely to be needed.

9. Climate Change, Sustainability and Environmental Implications

9.1. The contents within this report reflect changes in legislation and national policy. A full Strategic Environmental Assessment (SEA) was undertaken by the Scottish Government and no further action will be required. The preparation of the LDP3 and OSS will incorporate SEA at the appropriate time.

10. Other Implications

10.1. There are no other implications associated with this report.

11. Equality Impact Assessment and Consultation Arrangements

11.1. Equality Impact Assessment (EqIA) will be carried out as part of the preparation of the LDP3 and OSS. In addition, extensive engagement and consultation will be carried out.

David Booth Executive Director (Community and Enterprise Resources)

24 May 2023

Link(s) to Council Values/Priorities/Outcomes

- ♦ Accountable, effective, efficient and transparent
- ♦ Good quality, suitable and sustainable places to live

Previous References

♦ None

List of Background Papers

- ♦ National Planning Framework 4 adopted by Scottish Government 13 February 2023
- Building Standards Technical Handbook February 2023: Domestic Buildings
- Building Standards Technical Handbook February 2023: Non-Domestic Buildings

Contact for Further Information

If you would like to inspect background papers or want further information, please contact:-

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