

REPORT TO SUSTAINABILITY COMMITTEE – 10 NOVEMBER 2021

CARBON BUDGET UPDATE 2021-2022

1 Reason for Report/Summary

- 1.1 The report presents an update to the Sustainability Committee on Directorate Carbon Budget six monthly update progress reports that have been reported or are about to be reported to each Policy Committee covering the agreed Carbon Budget 2021-2022 set out by Aberdeenshire Council on 17 March 2021 (Item 9).

2 Recommendations

The Committee is recommended to:

- 2.1 Consider and comment on the Carbon Budget six monthly updates as attached in Appendices 1-4;
- 2.2 Note the ongoing responsibility of each Director to secure their reduction targets as set out in the Carbon Budget, and to report progress at six monthly to the relevant Policy Committees and to the Sustainability Committee;
- 2.3 Note that the previous requirements for each Director to develop a Carbon Reduction Plan setting out how their Directorate will reach emission reduction targets by 2030 and 2045 and present this to their relevant Policy Committees by 31 October 2021 has been incorporated into the Route Map to 2030 work which is ongoing; and
- 2.4 Note the requirement for the Director of Environment and Infrastructure Services to develop a Medium-Term Carbon Strategy, based on the four Directorate Carbon Reduction Plans, which will now be included in the Route Map to 2030 work and will be presented alongside the Carbon Budget 2022-23.

3 Purpose and Decision-Making Route

- 3.1 All Directors are required to submit six monthly updates on in-year progress in relation to the reduction targets in the Carbon Budget to their relevant Policy Committees and additionally to the Sustainability Committee following the decision of Aberdeenshire Council on 18 March 2020 (Item 10) Carbon Budget 2020-21.
- 3.2 A total Carbon Budget for 2021-2022 was set as 48,744 tonnes Carbon Dioxide Equivalent (CO₂e) by Aberdeenshire Council on 17 March 2021 (Item 9). At

the same time Aberdeenshire Council instructed Directors to develop the following:

- Carbon Reduction Plan – setting out how their Directorate will reach 75% emissions reduction by 2030, and Net Zero by 2045 – and present this to their relevant Policy Committees by 31 October 2021.
- Medium-Term Carbon Strategy, based on the four Directorate Carbon Reduction Plans, to be presented alongside the Carbon Budget 2022-23.

3.3 On 24 June 2021 (Item 10), Aberdeenshire Council agreed a one-off allocation of £100,000 to support the next phase of developing the Carbon Budget setting process. The allocation is in the Carbon Budget Toolkit Reserve. A new revised process will look to support the Council in developing a methodology which costs out a Route Map to 2030 and fully integrates the Carbon Budget with the financial budgets.

3.4 The Route Map to 2030 work will address the instructions from Council to Directors as set out in paragraph 3.2 above. Directorates will work closely with the Sustainability and Climate Change team and the appointed consultants to develop carbon reduction plans for each Directorate, which will be fully integrated into the financial budgets.

4 Discussion

4.1 The Carbon Budget for 2021-22 was set as 48,744 tonnes of CO₂e (tCO₂e) which was estimated to require a reduction of 5000 tCO₂e in 2021-22 from the previous year. The reduction was assigned to the Directorates as follows:

Directorate	Reduction Target for 2021-22
Business Services	1750 tCO ₂ e
Infrastructure Services	2500 tCO ₂ e
Education and Children's Services	570 tCO ₂ e
Health and Social Care Partnership	180 tCO ₂ e

4.2 Updates have been provided by each of the Directorates and these can be found in **Appendices 1-4**.

4.3 Unprecedented ongoing pressures due to COVID-19 have impacted on the progress of implementation of many actions that were under consideration for 2021-22 across all four Directorates. For example:

- Paused projects due to short staffing and the prioritisation of Covid related work.
- Unusual demands on energy consumption across the estate altering typical and known patterns of usage.
- Increase in general waste due to additional cleaning needs.
- Issues with materials and contractor supply chain.

4.4 Work is also underway with consultants to begin the development of Aberdeenshire's Local Heat and Energy Efficiency Strategy (LHEES). Stages 1 to 4 of the methodology will be completed by 31 March 2022. This will include:

- Policy and strategy review.
- Data and tools library.
- Strategic zoning and pathways.
- Generation of initial delivery areas.

4.5 A one-day workshop is also to be provided by the consultants to up-skill current officers on the project team on the methodology for stages 5 to 8 so that these final stages can be completed by 31 March 2023 ready for implementation across the region. This will include:

- Building level assessment.
- Finalisation of delivery areas.
- LHEES Strategy.
- LHEES Delivery Plan.

4.6 Projects identified through the development of the LHEES will contribute to the Route Map to 2030 and the Climate Ready Aberdeenshire strategy and action plan which are also under development.

5 Council Priorities, Implications and Risk

5.1 This Report helps deliver the key principle of 'climate and sustainability' within the Pillar "Our Environment".

5.2 This Report helps deliver on the Council's Climate Change Declaration.

5.3 The table below shows whether risks and implications apply if the recommendations are agreed.

Subject	Yes	No	N/A
Financial			X
Staffing			X
Equalities and Fairer Duty Scotland			X
Children and Young People's Rights and Wellbeing			X
Climate Change and Sustainability			X
Health and Wellbeing			X
Town Centre First			X

5.4 There are no direct staffing and/or financial implications arising from this Carbon Budget update monitoring report.

5.5 An Integrated Impact Assessment (IIA) screening was completed (**Appendix 5**). During screening 0 of 10 questions indicated that detailed assessments were required as this report is an update on actions and therefore there are no risks or implications if the recommendations are agreed. An Equalities Impact Assessment was completed for the Carbon Budget 2021-22 report which was submitted to Aberdeenshire Council (Item 9) on 17 March 2021.

5.6 The following specific Risks have been identified as relevant to this matter on a Corporate Level, however it is acknowledged that working towards a 75% reduction in Council owned emissions has the potential to impact upon any number of areas across the Council risk portfolio.

- Risk ID ACORP010 as it relates to environmental challenges; and
- Risk ID ACORP006 as it relates to reputation management within the Corporate Risk Register.

The following Risks have been identified as relevant to this matter on a Strategic Level:

- Risk ID ISSR004 as it relates to Climate Change in the Directorate Risk Registers.

6 Scheme of Governance

6.1 The Head of Finance and Monitoring Officer within Business Services have been consulted in the preparation of this report and their comments are incorporated within the report. They are satisfied that the report complies with the Scheme of Governance and relevant legislation.

6.2 The Committee is able to consider this item in terms of Section S paragraphs 1.1a and 1.1c of the List of Committee Powers in Part 2A of the Scheme of Governance as it relates to approving, reviewing and monitoring the Council's work in respect of sustainable development and climate change and, also to promote awareness of the need for sustainability within the Council.

Alan Wood
Director of Environment and Infrastructure Services

Report prepared by Claudia Cowie, Team Leader Sustainability and Climate Change
Date 26 October 2021

List of Appendices:

Appendix 1 - Business Services Carbon Budget 2020-21 Update

Appendix 2 – Environment and Infrastructure Services Carbon Budget 2020-21
Update

Appendix 3 - Education and Children Services Carbon Budget 2020-21 Update

Appendix 4 - Health and Social Care Partnership Carbon Budget 2020-21 Update

Appendix 5 - Integrated Impact Assessment Screening Report

Appendix 1: Business Services Carbon Budget 2021-22 Update

Summary of Carbon Budget Monitoring 2021/22 by Service	Business Services								
	Base Budget	May-21 Forecast	Aug-21 Forecast	Nov-21 Forecast	Feb-22 Forecast	Forecast Savings			Comments
						Better than Budget	Worse than Budget	Net Variance	
	2021/22	2021/22	2021/22	2021/22	2021/22	tCO2e	tCO2e	tCO2e	November 2021 Update
tCO2e	tCO2e	tCO2e	tCO2e	tCO2e	tCO2e	tCO2e	tCO2e		
Business Services	1750	1675	865	755		-	995	995	<p>Unprecedented on going delays due to COVID-19 have impacted on the progress of implementation of energy efficiency projects. Unusual demands on energy consumption across our estate has altered our typical and known patterns of usage.</p> <p>Understanding the new normal in relation to Office Space Strategy and Asset Management is on-going.</p>
1.1 Energy Efficiency Measures (across Council)	425	425	235	145					<p>Supply and install Carbon Reduction projects as funded by the Capital Plan spend to save budget. Includes energy efficiency retrofit solution, assessed on a project by project basis, including but not limited to internal and external LED lighting upgrades, pipe insulation and heating controls etc.</p> <p>Nov 21 Update: COVID-19 delays have significantly impacted projects, including issues with materials and contractor supply chain issues. Energy Performance Agreements are currently being drawn up with our preferred supplier for the Non-Domestic Energy Efficiency Framework. Work is expected to now commence by end 2021 and be completed by</p>

									end March 2022. Carbon savings therefore will be carried forward to 2022/23
1.2 Carbon Emission Factor	1,400	1000	400	400					<p>Carbon Emission Factors for Electricity are projected to fall to 0 by 2040. It has been agreed that the savings realised from this reduction should be included in the Carbon Budget</p> <p>Nov 21 Update: Carbon Emissions Factor's for 2021/22 have reduced by 12% against the previous year. Based upon projected annual electricity consumption by Council for its operational buildings in 2021-22 this will result in a saving of 400 tonnes due to a reduced usage of electricity during 2020-21, increasing in 2021-22 back to near pre COVID-19 levels.</p>
1.3 Office & Depot Rationalisation	110	110	90	70					<p>More efficient use of depots which will include a reduction in depot space used</p> <p>Nov 21 Update: A new facility at Mintlaw to be completed early 2022 which enables release of 4 facilities locally. (10 tonne nett CO2 saving).</p> <p>Alternative proposals for Inverurie and Stonehaven being developed, with replacement facilities being more energy efficient albeit larger than existing facilities.</p> <p>Disposal of facilities identified for release is in-line with Disposal Strategy, and associated Asset Disposal Process, with availability of surplus facilities advised to other Services and partner agencies in advance of marketing. with disposal of those being marketed determined by market conditions.</p>
1.4 Estate Modernisation	140	140	140	140					Officers are progressing a cross-service, Estate Modernisation programme where Services are reviewing their wider accommodation requirements - informed by 'asset drivers' linked to Council Priorities, new and emerging

								<p>strategies and methods for service delivery/service re-design. As review, and associated activities (including adhering to governance arrangements), progresses several, historic, under performing and/or under-utilised facilities will be identified for release with this affecting a wide range of facilities i.e., community facilities, depots, Day Services facilities etc. In addition, facilities which do not align with new/emerging strategies or methods of service delivery will also be identified for release. Disposal of surplus facilities take the form of disposal on the open market, Asset Transfer, formal lease to others (generating income to the Council) or demolition (where facility forms part of wider asset being retained or to facilitate disposal) all of which contribute to reducing Aberdeenshire's energy, and associated carbon liabilities, in addition to holding costs etc.</p> <p>More efficient use of office buildings which will include a reduction in office accommodation</p> <p>Nov 21 Update: In the current financial year, activities/review is progressing in anticipation of vacating and releasing 3 offices (<i>Market Place, Inverurie (leased), Maud Area Office, Meldrum Business Centre (leased)</i>). In addition, wider review is progressing taking cognisance of workstation requirements, capacities and employee allocations post Covid which may result in further releases in addition to those currently identified as part of Office Space Strategy.</p>
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Appendix 2: Environment and Infrastructure Services Carbon Budget 2021-22 Update

Summary of Carbon Budget Monitoring 2021/22 by Service	Environment and Infrastructure Services								
	Base Budget	May-21 Forecast	Aug-21 Forecast	Nov-21 Forecast	Feb-22 Forecast	Forecast Savings			Comments
						Better than Budget	Worse than Budget	Net Variance	
	2021/22	2021/22	2021/22	2021/22	2021/22	tCO2e	tCO2e	tCO2e	
	tCO2e	tCO2e	tCO2e	tCO2e	tCO2e	tCO2e	tCO2e	tCO2e	
Infrastructure Services	2500			626	626				
2.1 Hydrogen vehicles added to the Fleet	6	6	6	6	6				<p>Four hydrogen vehicles now introduced to fleet in line with decarbonisation aims in the new Fleet Services Strategic Plan 2020-2030 (item 6). The vehicles have covered 26,400 miles in the 12 months up to the end of September 2021.</p> <p>There is ongoing wider consideration of the opportunities in how Hydrogen can be used as an energy source across the Council</p>
2.2 Electric vans replacing diesel	20	20	20	20	20				<p>Early in 2021 eighteen electric cars and vans were added to the fleet to replace diesel vehicles as well as two electric low entry minibuses. Work is ongoing with the Energy Savings Trust to look at our Fleet and future options.</p>
2.3 Utilising telematics – new Alison gearbox software	60	60	60	60	60				<p>Due to Covid-19 there was a delay into 2021/22 and the project is currently ongoing.</p>

2.4 Introduce more electric powered mowers									<p>Added: No more additional large electric mowers have been purchased. Looking to introduce a full range of hand-held equipment to several Landscape squads to replace petrol equipment. These battery versions will then be monitored for performance/reliability over at least one full season and the outcome will steer future hand held equipment purchases.</p>
2.5 Installation of EV Chargers in Council Offices and Depots									<p>Added: A plan is currently being developed with Property colleagues and the supplier to get the chargers installed by the end of March 2022. No direct carbon saving from their installation but necessary infrastructure to recharge new EVs.</p>
2.6 LED street lighting	160	160	160	350	350				<p>All supplier/manufacturers were either closed or have limited resource due to COVID-19 restrictions and the overall program has been pushed back two years, now due for completion in 2022-23.</p> <p>In 2021-22 progress has been made up after a slow start and around 1,300 units have been changed so far with a focus on the quick wins, leaving more complex, heritage and wall light installations for the year.</p> <p>The delay to the programme obviously means that some of the savings in emissions will be put back a year or two, however a potential advantage is that continual improvements in technology could mean these savings are larger.</p>
2.8 Constraints on business travel and new ways of working	180	180	180	180	180				<p>Base budget based on assumptions of continued reduced mileage in all forms of travel into 2021/22 with 145T CO2e saving from 80% reduced mileage on historic rates and 35T CO2e saving from no rail or air travel. Actual reductions will be monitored</p>

									and reported through annual reporting cycles.
2.9 Warp-It	-	-	-	10	10				The ongoing use of the Warp-It reuse portal within the Council (managed by Infrastructure Services) is expected to bring ongoing savings. Due to uncertainty around operational restrictions and the use of offices, a base budget for 2021-22 was not set. After a quiet first few months in 2021 Warp-It activity has picked-up since June and forecast have been estimated based on this activity.

Appendix 3: Education and Children's Services Carbon Budget 2021-22 Update

- 1.1 Education and Children's Services Carbon Budget six-monthly update highlights the proposed projects that had been identified for progression during 2020/21 in Live Life Aberdeenshire (LLA) and Education. Considerable difficulty has been experienced in progressing these carbon reduction solutions during the Covid-19 pandemic. These projects have not progressed fully as planned due to the ongoing response to the Covid-19 pandemic, and this has led to a shortfall in the expected carbon reduction.
- 1.2 However, work has concentrated on the development of an Education and Children's Services Climate Change and Sustainability Strategy and a short, medium, and long-term action plan for the service to ensure sustainable practices become eventually embedded in the day-to-day work of the service. A static copy of the document is seen on the last page of Appendix 3 and [the digital interactive version is found in this link.](#)
- 1.3 The Education and Children's Services Sustainability and Climate Change Team has been established with staff from across Education and Children's Services. The team have worked together to develop the Education and Children's Services Climate Change and Sustainability Strategy, sharing information from their own areas of operation to support all colleagues with their understanding of the impact of climate change and the measures needed to develop solutions to reducing the carbon budget. Pupils are important members of the school community and Education and Children's Services recognises that climate change will have a considerable impact on all aspects of their lives. Pupil groups will also be consulted and represented in the Team following discussions with pupils during this term.
- 1.4 One key element of the carbon reduction strategy is the recording of pupil climate change ambitions and the inclusion of their ideas. Discussions with pupil groups started in September and their ideas will be included in the final strategy document. Work is also ongoing with pupils and staff within Education for the development and implementation of a Sustainability in Schools Policy.
- 1.5 The Sustainability in Schools Policy will include:
 - developing strategies for the inclusion of Learning for Sustainability in the curriculum
 - energy budget management in school, food recycling in all school areas, general waste recycling
 - reduction in the volume of paper used (schools consume approximately 75% of all paper utilised within the council)
 - litter management
 - use of sustainable resources
 - green space management
 - pupil projects in this area.

- 1.6 Work with the Eco-Schools programme will be included in the Sustainability in Schools Policy and work undertaken to continue to promote this in schools. There is already excellent work being undertaken by individual schools and existing good practice will be included in the development of the policy. This will require a mixture of process change but equally and possibly more importantly cultural change.
- 1.7 Work is being undertaken with Aberdeenshire Council's Green Space Officers for a new land management regime to be established and surveying all school sites is starting to support discussions with school staff and pupils to identify areas for utility cutting for sports and play, biodiversity areas and re-wilding areas to form carbon sinks.
- 1.8 Work has started with colleagues in the Energy Team to explore methods of increasing energy management in schools. However, due to the ongoing pandemic it is not expected that a reduction in the amount of energy used can be recorded due to the continued need for increased ventilation in school buildings. Energy use will potentially rise influenced by local weather conditions.
- 1.9 A carbon budget saving has been recorded as a direct impact of remote working of central support staff in Education and Children's Services. Figures have been collated for the Governance & Empowerment Team showing a 43.5 tCO₂e saving over the course of the year for the team. This is due to 63 colleagues working differently. This information will be shared with colleagues in the Virtual Working Environment Reference Group to support strategy discussions on the council's efforts to reduce the impact of its actions on climate change.
- 1.10 Education and Children's Services welcomes the proposals for the Aberdeenshire Council Route Map to 2030 to reflect in both the revenue and capital budgets the work required to reach a 75% reduction in CO₂e. As a service carbon budget savings as a result of behavioural change and wider scope 3 emissions for equipment and furniture are being recorded. It is recognised that toolkits to support the method of recording both achieved savings and reduction in emissions would be beneficial and work is ongoing with colleagues across the council to develop this.
- 1.11 In addition to this, the budget and staffing to support the implementation of the strategy is potentially significant. The budget to implement the changes required to impact waste reduction will be included in a report supporting Aberdeenshire Council's Route Map to 2030. Increased integration and collaboration on a corporate strategy with other services can only benefit the work needed to reach a 75% reduction of CO₂e by 2030.

Summary of Carbon Budget Monitoring 2021/22	EDUCATION AND CHILDREN'S SERVICES								
	Base Budget	May-21 Forecast	Aug-21 Forecast	Nov-21 Forecast	Feb-22 Forecast	Forecast Savings			Comments
	2021/22	2021/22	2021/22	2021/22	2021/22	Better than Budget	Worse than Budget	Net Variance	
	tCO2e	tCO2e	tCO2e	tCO2e	tCO2e	tCO2e	tCO2e	tCO2e	
Education and Children's Services									
General waste reduction and increased recycling on school sites	TBC	TBC	TBC	TBC					Education and Children's Services is committed to work with colleagues in Waste Management to reduce the waste for general collection and increase recycling. Covid-19 has impacted on the amount of general waste due to additional cleaning and this work will determine the Service's ability to reduce general waste.
Joint approach with energy team for management of energy usage	TBC	TBC	TBC	TBC					Education and Children's Services is committed to develop practices to review energy use and start working on behavioural change in conjunction with the Energy Team who are able to support with the provision of usage data.
Commitment to start incorporating 'circular economy' principles in procurement as part of strategy	TBC	TBC	TBC	TBC					Education and Children's Services is committed to start incorporating the consideration of sustainability in procurement. The Catering Team has undertaken this commitment in procurements added to the Procurement Plan 2021/2 for the purchase of fruit, vegetables and frozen foods. The carbon budget reduction will be investigated once the procurement is in place.



E&CS Sustainability and Climate Change Strategy Development

EDUCATION & CHILDREN'S SERVICE CLIMATE CHANGE & SUSTAINABILITY AMBITIONS AND OUR FUTURE STRATEGY

We, Education & Children's Service, acknowledge that the world faces a climate challenge directly attributed to human activity and our responsibility is to provide direction and sustainable developments in order to move to a more maintainable and low carbon future.

We recognise our action, or inaction will determine the future of upcoming generations and we embrace our social responsibility to act to become part of the solution to reduce our carbon budget. We are committed to working towards a carbon free society by reducing our emissions by 75% (against our 2010/11 baseline) by 2030 and become Net Zero by 2045.

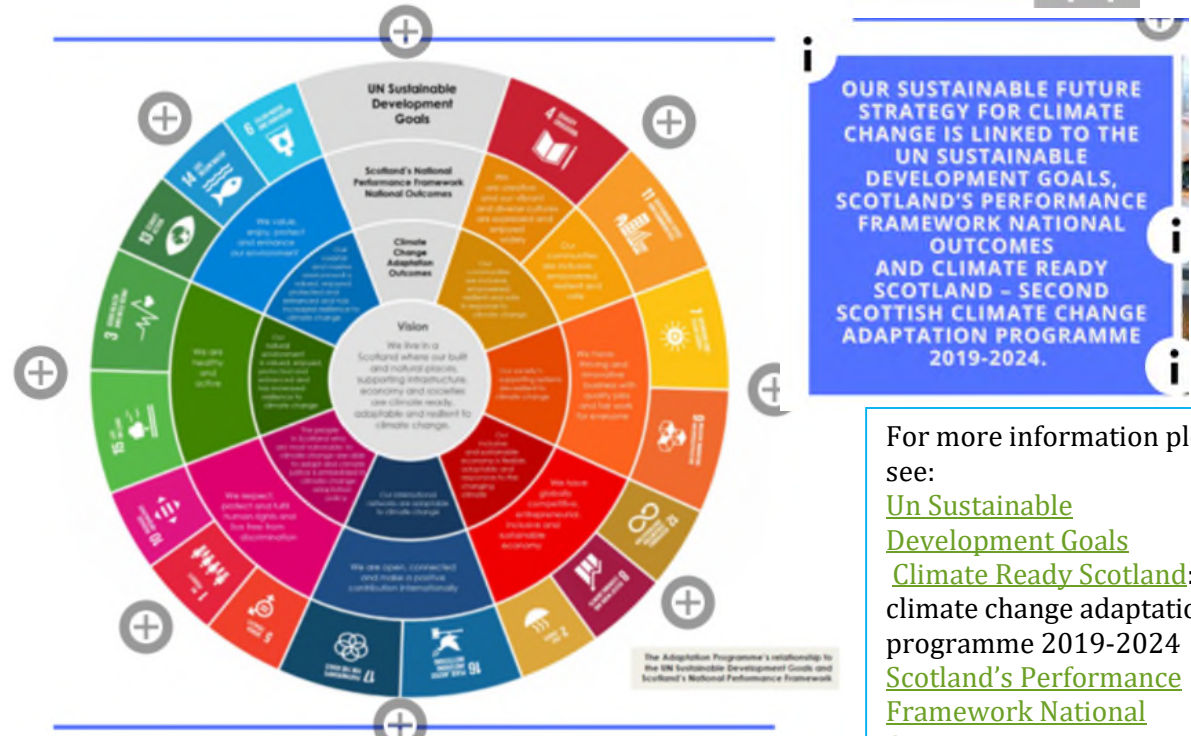
TIMEFRAME FOR ACTIONS FOR SUSTAINABLE FUTURE STRATEGY

IMPLEMENTATION BY DECEMBER OF:

2024
SHORT TERM















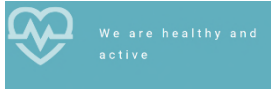











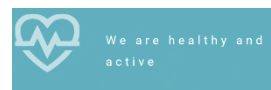
2027
MEDIUM TERM

2030
LONG TERM



For more information please see:

- [Un Sustainable Development Goals](#)
- [Climate Ready Scotland: climate change adaptation programme 2019-2024](#)
- [Scotland's Performance Framework National Outcomes: Environment](#)

Carbon Budget Reduction & Sustainability Commitment Area	Link to UN Sustainable Development Goals	Link to Scotland's Performance Framework Outcomes	Link to Climate Ready Scotland
<p>Energy</p> 	  	 	<p>Outcome 1: Sharing of strategy & knowledge Outcome 2: Equity of provision Outcome 4: Monitoring of contract provision</p>
<p>Behavioural Change</p> 	    	  	<p>Outcome 1: Sharing of strategy & knowledge Outcome 2: Inclusion of all stakeholders in options to change behaviour.</p>
<p>Waste</p> 		 	<p>Outcome 1: Sharing of strategy & knowledge Outcome 2: Equity of provision Outcome 4: Implementation of sustainable practices.</p>
<p>Green and Open Spaces</p> 	   	  	<p>Outcome 1: Sharing of strategy & knowledge Outcome 2: Equity of provision of available resources Outcome 5: Protect and enhance green and outside spaces. Outcome 6: Awareness of enhanced support some coastal locations may require to remain resilient to climate change</p>

Digital Technology







 We have a globally competitive, entrepreneurial, inclusive and sustainable economy

 We value, enjoy, protect and enhance our environment

Outcome 1: Sharing of strategy & knowledge
Outcome 2: Equity of provision & budgets
Outcome 3: Procurement from suppliers who are sustainable & are implementing their own carbon budget reduction strategy
Outcome 4: Management of contracts

Transport






 We live in communities that are inclusive, empowered, resilient and safe

 We value, enjoy, protect and enhance our environment

 We are healthy and active

Outcome 2: Equity of access
Outcome 3: Procurement from suppliers who are sustainable & are implementing their own carbon budget reduction strategy
Outcome 4: Supporting other services with the management of their contracts. Management of our own.

Learning Estate








 We live in communities that are inclusive, empowered, resilient and safe

 We value, enjoy, protect and enhance our environment

Outcome 2: Equity of provision
Outcome 5: Protect and enhance green and outside spaces.
Outcome 6: Awareness of enhanced support some coastal locations may require to remain resilient to climate change

Sustainable Procurement






















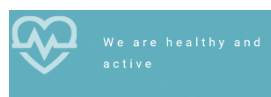













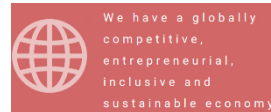


 We have a globally competitive, entrepreneurial, inclusive and sustainable economy





 We value, enjoy, protect and enhance our environment

 We have thriving and innovative businesses, with quality jobs and fair work for everyone

Outcome 1: Sharing of strategy & knowledge
Outcome 2: Equity of resources
Outcome 3: Procurement from suppliers who are sustainable & are implementing their own carbon budget reduction strategy
Outcome 4: Management of contracts
Outcome 7: Commitment to local procurement of food

Carbon Budget Reduction & Sustainability Area	Goals to be achieved by December 2024	Carbon Budget Reduction & Sustainability Area	Goals to be achieved by December 2024
<p>Energy</p> 	<p>Our Energy Commitments:</p> <ul style="list-style-type: none"> • Develop a sustainable energy management scheme for schools that includes incentives for saving energy & support with energy saving strategies for sites • Joint energy management collaboration between Education and Live Life Aberdeenshire for Community Campuses 	<p>Digital Technology</p> 	<p>Our Digital Technology Commitments:</p> <ul style="list-style-type: none"> • Further development of sustainability practices started during 2020, e.g. virtual meetings the 'norm', increased use of electronic forms instead of paper. • Reduced use of paper in school and increase use of digital technology. • Continued development of remote working strategy.
<p>Behavioural Change</p> 	<p>Our Behavioural Change Commitments:</p> <ul style="list-style-type: none"> • Development of the ECS Climate Change and Sustainability Strategy & policy for schools with pupils • Engagement with pupils throughout, including joining the ECS Climate Change & Sustainability Team. • Support behavioural change through raising awareness of climate change issues and climate action through the development of an online platform. • Resources for Learning for Sustainability for schools. 	<p>Transport</p> 	<p>Our Transport Commitments:</p> <ul style="list-style-type: none"> • Develop strategy with Property Team for vehicle charging stations in school grounds. • Develop travel strategy to support the '20 minute neighbourhood' concept where possible. • Work with suppliers to limit number of deliveries. • Work with pupils to find ways to encourage the reduced use of cars
<p>Digital Technology</p> 	    <div data-bbox="1030 973 1288 1069"> <p>We have a globally competitive, entrepreneurial, inclusive and sustainable economy</p> </div> <div data-bbox="1030 1093 1288 1189"> <p>We value, enjoy, protect and enhance our environment</p> </div>		<p>Outcome 1: Sharing of strategy & knowledge Outcome 2: Equity of provision & budgets Outcome 3: Procurement from suppliers who are sustainable & are implementing their own carbon budget reduction strategy Outcome 4: Management of contracts</p>

Carbon Budget Reduction & Sustainability Area	Goals to be achieved by December 2024	Carbon Budget Reduction & Sustainability Area	Goals to be achieved by December 2024
<p>Transport</p> 	  	  	<p>Outcome 2: Equity of access Outcome 3: Procurement from suppliers who are sustainable & are implementing their own carbon budget reduction strategy Outcome 4: Supporting other services with the management of their contracts. Management of our own.</p>
<p>Learning Estate</p> 	    	 	<p>Outcome 2: Equity of provision Outcome 5: Protect and enhance green and outside spaces. Outcome 6: Awareness of enhanced support some coastal locations may require to remain resilient to climate change</p>
<p>Sustainable Procurement</p> 	   	  	<p>Outcome 1: Sharing of strategy & knowledge Outcome 2: Equity of resources Outcome 3: Procurement from suppliers who are sustainable & are implementing their own carbon budget reduction strategy Outcome 4: Management of contracts Outcome 7: Commitment to local procurement of food</p>

Carbon Budget Reduction & Sustainability Area	Goals to be achieved by December 2024	Carbon Budget Reduction & Sustainability Area	Goals to be achieved by December 2024
<p>Energy</p> 	<p>Our Energy Commitments:</p> <ul style="list-style-type: none"> • Develop a sustainable energy management scheme for schools that includes incentives for saving energy & support with energy saving strategies for sites • Joint energy management collaboration between Education and Live Life Aberdeenshire for Community Campuses 	<p>Digital</p>  <p>Technology</p>	<p>Our Digital Technology Commitments:</p> <ul style="list-style-type: none"> • Further development of sustainability practices started during 2020, e.g. virtual meetings the 'norm', increased use of electronic forms instead of paper. • Reduced use of paper in school and increase use of digital technology. • Continued development of remote working strategy.
<p>Behavioural Change</p> 	<p>Our Behavioural Change Commitments:</p> <ul style="list-style-type: none"> • Development of the ECS Climate Change and Sustainability Strategy & policy for schools with pupils • Engagement with pupils throughout, including joining the ECS Climate Change & Sustainability Team. • Support behavioural change through raising awareness of climate change issues and climate action through the development of an online platform. • Resources for Learning for Sustainability for schools. 	<p>Transport</p> 	<p>Our Transport Commitments:</p> <ul style="list-style-type: none"> • Develop strategy with Property Team for vehicle charging stations in school grounds. • Develop travel strategy to support the '20 minute neighbourhood' concept where possible. • Work with suppliers to limit number of deliveries. • Work with pupils to find ways to encourage the reduced use of cars



Education & Children's Services (ECS) links to the Climate Ready Scotland Outcomes

ECS Outcome 1:

We will strive to support each site to be well planned and managed, with school community equipped with the knowledge and tools to adapt to climate change whilst empowering them to do so.

Climate Ready Scotland Outcome:

Outcome 1: Our communities are inclusive, empowered, resilient and safe in response to the changing climate

This outcome utilises 'placemaking' as a theme, the idea that each place should be planned, designed, and managed to suit the needs and aspirations of the people who live there. There are two main elements that make up a place: social aspects, and physical aspects. The first Communities Sub-Outcome relates to the social aspects of community, and includes the ways in which communities can be equipped with the knowledge and tools to adapt to climate change, while empowering them to do so. The second Sub-Outcome relates to the physical aspects of community, including the built and historic environment, and all the spaces in between. Aspects related to vulnerable people within communities are included in Outcome 2.

ECS Outcome 2:

ECS champions climate justice and promotes a people centred, human rights approach that shares the benefits of equitable low carbon developments across the sites used by ECS. To ensure schools and community users are able to adapt to climate change those who are more vulnerable will be engaged with and empowered in their own schools and settings.

Climate Ready Scotland Outcome:

Outcome 2: The people in Scotland who are most vulnerable to climate change are able to adapt and climate justice is embedded in climate change adaptation policy

The negative impacts of climate change are likely to be felt most by those who are already vulnerable to its effects, yet have done little or nothing to cause the problem. The Scottish Government champions climate justice, and promotes a people-centred, human-rights approach that shares the benefits of equitable low carbon development, and the burdens of climate change fairly. To improve the ability of people to adapt to climate change, those who are more vulnerable must first be engaged and empowered in their own communities, as reflected in the first Climate Justice Sub-Outcome. The second Sub-Outcome relates to the provision of health and social care in Scotland, recognising that impacts on these services will likely disproportionately affect those who are already more vulnerable.

ECS Outcome 3:

We are committed to develop our procurement processes to ensure our supplies in the future are those who have harnessed changes to be adaptive to climate change and reducing their own carbon budgets.

Climate Ready Scotland Outcome:

Outcome 3: Our inclusive and sustainable economy is flexible, adaptable and responsive to the changing climate.

The businesses and industries that make up Scotland's economy vary in type and size. The natural environment forms a large base for businesses in Scotland, with agriculture, forestry, and aquaculture and fisheries forming an important part of Scotland's identity, economy, and national heritage. The first Economy Sub-Outcome focuses on these businesses, and how they can adapt to the changing climate. Beyond natural resources, the second Sub-Outcome focuses on Scotland's manufacturing, services and wider economy, and considers three key functions of businesses that could be impacted by climate change: capital, labour, and supply chains. Climate change will create risks and opportunities for Scotland's businesses, with changing demands for goods and services presenting opportunities for innovation. The third Sub-Outcome focuses on the opportunities that Scottish businesses could harness as the climate changes.

ECS Outcome 4:

ECS is committed to use supporting systems that are resilient to climate change. The Service will manage and monitor infrastructure networks for energy, water, IT and waste management used by our staff and stakeholders.

Climate Ready Scotland Outcome:

Outcome 4: Our society's supporting systems are resilient to climate change

Scotland's infrastructure network encompasses the supply networks of energy, water, communications (including digital), roads, and rail that cross our country, and the service delivery areas of government, health and emergency services. Much of this infrastructure is critical, providing lifeline services to Scotland's communities and businesses, particularly those that are located in Scotland's remote highlands and islands. It is important that these networks and services are resilient as the climate changes so we can keep Scotland running, and this forms the basis of the Infrastructure Sub-Outcomes. Cross-cutting these Sub-Outcomes is the recognition that Scottish infrastructure is interdependent, and managing this will enhance resilience.

ECS Outcome 5:

ECS is committed to protect and enhance the natural environment at locations where schools and children's services are in place across Aberdeenshire.

Climate Ready Scotland Outcome:

Outcome 5: Our natural environment is valued, enjoyed, protected and enhanced and has increased resilience to climate change

A healthy natural environment is vital to society, the economy and the functioning of our natural systems. Ecosystem services encompass the contributions of ecosystems to human well-being. They are typically split into four categories: regulating, supporting, cultural and provisioning. The four types of ecosystem services have been split across two Natural Environment Sub-Outcomes. The regulating and supporting services are considered under the first Sub-Outcome, the cultural services are considered under the second Sub-Outcome, while the provisioning services are being considered within the Economy Outcome (Outcome 3).

ECS Outcome 6:

We value the costal and marine environments in which some of our education and children services communities reside. We recognise that these locations may require enhanced support to remain resilient to climate change.

Climate Ready Scotland Outcome:

Outcome 6: Our coastal and marine environment is valued, enjoyed, protected and enhanced and has increased resilience to climate change

As in Outcome 5, Outcome 6 uses an ecosystem services approach. The regulating and supporting services are considered under the first Coastal and Marine Sub-Outcome, the cultural services are considered under the second Sub-Outcome, while the provisioning services are being considered within the Economy Outcome (Outcome 3).

ECS Outcome 7:

ECS is committed to reducing the amount of food procured from overseas and increasing local procurement.

Climate Ready Scotland Outcome:

Outcome 7: Our international networks are adaptable to climate change

Scotland is already an international leader in mitigating climate change. We want to show that same leadership in adapting to climate change. Outcome 7 has three International Sub-Outcomes. The first focuses on Scotland's food supply networks given that approximately 40% of Scotland's food is produced overseas. The second Sub-Outcome focuses on Scotland's contribution to international governance, managing potential international instability as a result of climate change. The third Sub-Outcome focuses on Scotland's open and connected economy which is adaptable to the changing climate.

Appendix 4: Aberdeenshire Health and Social Care Partnership Carbon Budget 2021/22 Update

Summary of Carbon Budget Monitoring 2021/22	Aberdeenshire Health and Social Care Partnership								
	Base Budget	May-21 Forecast	Aug-21 Forecast	Nov-21 Forecast	Feb-22 Forecast	Forecast Savings			Comments
						Better than Budget	Worse than Budget	Net Variance	
	2021/22	2021/22	2021/22	2021/22	2021/22	tCO2e	tCO2e	tCO2e	November 2021 Update Council elements only (at this stage)
tCO2e	tCO2e	tCO2e	tCO2e	tCO2e	tCO2e	tCO2e	tCO2e		
Aberdeenshire Health and Social Care Partnership	164.5	68	81	151.5	164.5				Unprecedented ongoing pressures due to COVID-19 have impacted on the progress of implementation of any actions that were under consideration for 2021-22. Work has been paused due to short staffing and the prioritisation of Covid related work.
Resources and Circular Economy Framework	TBC	TBC	TBC	TBC	TBC				Carbon reduction emerges from Resources and Circular Economy Plan. Initial focus on re-use and re-purposing of furniture.
Reduction in business miles through improved planning and new ways of working	52	13	26	39	52				New Ways of Working is a transformational project for AHSCP. Work has been paused due to short staffing and the prioritisation of Covid related work.
Maintaining and increasing use of digital solutions	TBC	TBC	TBC	TBC	TBC				Savings at this time unknown. Work has been paused due to short staffing and the prioritisation of Covid related work.
Operation Home First	TBC	TBC	TBC	TBC	TBC				Work has been paused due to short staffing and the prioritisation of Covid related work

Increased Community MH support	TBC	TBC	TBC	TBC	TBC				Work has been paused due to short staffing and the prioritisation of Covid related work
Rationalisation of premises	112.5	55	55	112.5	112.5				Work has been paused due to short staffing and the prioritisation of Covid related work.
Grow and eat own food in care homes; development of composting	TBC	TBC	TBC	TBC	TBC				Anticipated to be small Carbon saving impact – however very positive for care home residents, visitors and staff. Work has been paused due to short staffing and the prioritisation of Covid related work.
Reduced out of area placements									Complex Care arrangements being developed. Unlikely to deliver savings in 2021/22 – to be carried forward to future period.
Consideration of carbon emission implications in developments and options appraisal of property works									Unlikely to deliver savings in 2021/22– to be carried forward to future period.

Aberdeenshire Council

Integrated Impact Assessment

Carbon Budget 2021-2022 Update

Assessment ID	IIA-000180
Lead Author	Claudia Cowie
Additional Authors	Joel Evans, Tara Murray
Service Reviewers	Ewan Wallace
Approved By	Ewan Wallace
Approved On	Monday October 18, 2021
Publication Date	Wednesday October 20, 2021

1. Overview

This document has been generated from information entered into the Integrated Impact Assessment system.

The report presents an update to the Sustainability Committee on Directorate Carbon Budget six monthly update progress reports that went or are going to each Policy Committee covering the agreed Carbon Budget 2021-2022 set out by Aberdeenshire Council (Item 9) on 17 March 2021. All Directors are required to submit six-monthly updates on in-year progress in relation to the reduction targets in the Carbon Budget to their relevant Policy Committees and additionally to the Sustainability Committee following the decision of Aberdeenshire Council on 18 March 2020 (Item 10) Carbon Budget 2020-21.

During screening 0 of 10 questions indicated that detailed assessments were required, the screening questions and their answers are listed in the next section. This led to 0 out of 5 detailed impact assessments being completed. The assessments required are:

In total there are 0 positive impacts as part of this activity. There are 0 negative impacts, all impacts have been mitigated.

A detailed action plan with 0 points has been provided.

This assessment has been approved by ewan.wallace@aberdeenshire.gov.uk.

The remainder of this document sets out the details of all completed impact assessments.

2. Screening

Could your activity / proposal / policy cause an impact in one (or more) of the identified town centres?	No
Would this activity / proposal / policy have consequences for the health and wellbeing of the population in the affected communities?	No
Does the activity / proposal / policy have the potential to affect greenhouse gas emissions (CO2e) in the Council or community and / or the procurement, use or disposal of physical resources?	No
Does the activity / proposal / policy have the potential to affect the resilience to extreme weather events and/or a changing climate of Aberdeenshire Council or community?	No
Does the activity / proposal / policy have the potential to affect the environment, wildlife or biodiversity?	No
Does the activity / proposal / policy have an impact on people and / or groups with protected characteristics?	No
Is this activity / proposal / policy of strategic importance for the council?	No
Does this activity / proposal / policy reduce inequality of outcome?	No
Does this activity / proposal / policy have an impact on children / young people's rights?	No
Does this activity / proposal / policy have an impact on children / young people's wellbeing?	No

3. Impact Assessments

Children's Rights and Wellbeing	Not Required
Climate Change and Sustainability	Not Required
Equalities and Fairer Scotland Duty	Not Required
Health Inequalities	Not Required
Town Centre's First	Not Required