

# North Somerset Climate Emergency Strategic Action Plan – Progress April 2022

Our commitment: North Somerset aims to be a carbon neutral council and a carbon neutral area by 2030

## Impact

H: high  
M: medium  
L: low  
TBC: to be confirmed

Note, these are estimates subject to further work

## Deliverability

GREEN: delivery is unlikely to pose any challenges or difficulties/ additional financial costs will be minimal  
AMBER: delivery will pose some challenges or difficulties/there is likely to be an additional financial cost  
RED: delivery will pose significant challenges or difficulties/there is likely to be a significant financial cost

Action	Method	Influence	Impact	Other benefits	Deliverability	Progress – Jan 2021	Progress – Jul 2021	Progress – Apr 2022
<b>Become a Net Zero Carbon Council</b>								
Take a leadership role across the area to encourage, support and enable others to reduce their carbon emissions	All	An area we directly control	H			<p>NSC began a programme of Carbon Literacy in October 2020 and in December was awarded the Carbon Literacy Bronze Award. This aims to increase awareness across the council of the carbon dioxide costs and impacts of everyday activities and give employees the ability and motivation to reduce emissions.</p> <p>Annual Team Plans now include Climate Emergency actions. Team leaders are urged to nominate a representative from to attend training and feedback how teams can contribute to helping NSC achieve aims of a carbon neutral council and a carbon neutral area by 2030.</p>	<p>80 Council employees certified as Carbon Literate. Aim for 15% (~180) by March 2021 to qualify for Silver Carbon Literacy accreditation.</p> <p>A new climate communications officer has been appointed to support and enable businesses and residents to reduce emissions.</p> <p>NSC's library teams, on completing Carbon Literacy training are promoting educational climate and environmental materials across the area. Display boards of climate actions and climate related books are supporting members of the public to increase awareness. The summer reading challenge and other competitions for school aged children have had climate related themes in 2021.</p> <p>Picture This, an artistic competition to picture a carbon neutral future in North Somerset will run during summer 2021 in partnership with Culture Weston.</p> <p>NSC has partnered with North Somerset Enterprise Agency and the Future Economy Network to deliver a series of events aimed a</p>	<p>144 Council officers and councillors are certified as Carbon Literate. NSC will be applying for Silver Carbon Literacy accreditation in March 2022.</p> <p>Climate comms in internal and external publications – feature article in ELife magazine every month.</p> <p>Picture this competition during summer 2021 and entries were displayed in the Sovereign Centre during COP26 in November 2021. The Picture This art display is now touring North Somerset Libraries with exhibitions in different libraries between 7th January and 26th April.</p> <p>Weston-Super-Mare will be hosting SEE MONSTER during the Summer of 2022 – the world's first and only repurposed North Sea offshore platform, and the largest outdoor installation ever see in Weston which will harness renewable energy from the natural elements. Among other themes, SEE MONSTER will include exhibits focusing on weather, climate change and green technologies.</p>

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							local business to support climate action.	
Appoint a Climate Emergency Project Manager to oversee the CE Strategy delivery and Action Plan implementation	All	An area we directly control	H			Project Manager appointed February 2020	The recruitment process has begun for an additional project officer to support the project manager.	Additional Project Officer appointed in September 2021.
Ensure a programme of robust reporting on progress internally and externally (data dashboard)	All	An area we directly control	M			Emissions reporting systems established. System for reporting individual progress action and indicators still required.		Programme of emissions reporting in place. Additional progress reporting improvements to be made.
Assess all major council projects for their impacts on carbon emissions	All	An area we directly control	M			Current WECA project to produce a Carbon assessment tool is due to be delivered in 2021.	All major projects are assessed for carbon emissions using PAS2080 or similar appropriate methodologies.	Ongoing.
'Carbon proof' all future strategies and policies and ensure mitigations	All	An area we directly control	H			The Climate Emergency features prominently in all strategy development.	A review of existing council policies and strategies is underway.	
Continuous development of the Council's sustainable procurement policies and practices	All	An area we directly control	L			Sustainable procurement policies and practices under review	A Climate Emergency procurement strategy is in development. Until the strategy is fully adopted, tender documents for larger contracts are being refined and reviewed by the Climate Emergency Project Manager. Existing contracts are also being reviewed to ensure improvements are made where possible.	Climate Emergency Procurement Guidance has now been approved, relevant staff have been trained and the guidance is being utilised for new procurements, and specific actions are approved as part of the Procurement Plan. In addition, work has begun to produce specific category guidance for key areas of council spend, and initial workshops have been held to assess, IT, Construction, Care Homes and Home to School Transport.

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Support flexible working and home working to reduce the carbon footprint of our workforce	Reduction	An area we directly control	M	Productivity gains Public health outcomes		Home working policy updated Autumn 2020. Large percentage of the workforce currently working from home. Emerging Asset and Accommodation strategy reviewing future working patterns. Home energy volunteer group in place to review changes to home energy consumption. Guidance given in internal newsletter on domestic energy conservation. Accommodation strategy to develop employee support strategies.	Home energy group reported significant emissions savings from reduced transport. More detail in progress report.  The recently adopted Accommodation Strategy has three main objectives – People & Culture; Place & Community and Planet. The Planet strand aims to support becoming a Net Zero Council and area through better support for homeworking; better locations for active and public transport; better support for homeworking and corporate responsibility around asset disposal.	The accommodation strategy supports the Council's ambition to be a net zero carbon council by 2030. This includes: <ul style="list-style-type: none"> <li>Supporting flexible working and home working to reduce the carbon footprint of our workforce (and enabling us to make more efficient use of our corporate buildings)</li> <li>Building maintenance to improve energy efficiency - review the Council's estate to investigate means of increasing energy efficiency of heating, lighting and cooling systems</li> <li>Reducing the scale and increasing the performance, cost and carbon efficiency of the office estate, resulting in a sustainable future Town Hall site</li> </ul> The Accommodation Strategy Programme team are also working with the Waste Team and the Sustainable Travel team / with teams to ensure: <ul style="list-style-type: none"> <li>The principle of repair, reuse, reduce and recycle will be used for any future, fittings and equipment (FFE)</li> <li>Any surplus furniture can be re-purposed in a way that benefits the local community.</li> <li>The energy efficiency of the Town Hall is assessed and for any changes needed to be considered as part of the design and investment works</li> <li>The Green Travel Plan objectives are considered and incorporated (reflected) within the programme</li> </ul>
Continue to provide/promote schemes such as 'cycle to work' and 'Travelwest challenge' to	Avoidance Reduction	An area we can directly control or can influence through our contracts or through	M	Air quality improvements Public health outcomes		Cycle to work limit increased to £2,500 to enable purchase of electric bikes. Approval to move forward with EV salary sacrifice scheme given in November 2020.	NSC will soon make Electric Vehicle Salary Sacrifice available to qualifying employees. This will give employees an option to buy an electric car at a fixed monthly cost, with no initial upfront costs, making savings on their tax and	EV Salary Sacrifice Scheme currently at procurement stage and following that will await Director's decision.

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encourage sustainable transport choices by our workforce		funding/support/policy					National Insurance contributions. This is something that has been made more affordable since April 2020 when Benefit in Kind rates were reduced compared with petrol and diesel cars.	
Calculate and then rapidly reduce the council's use of single-use plastic	Reduction	An area we directly control	L	Reduced waste		Work put on hold while low percentage of workforce in office.		
Ensure all the council's electricity supply is provided by 100% renewably generated sources	Reduction	An area we directly control	M	Supports investment in technology		Mostly complete - all areas where council pays for electricity is provided by 100% renewables. Completely outsourced/outside managed we don't have sight of but will encourage through contracts and discussion.		The current energy procurement framework will come to an end in September 2022. The commissioning and procurement plan for the next round of energy contracts is planned to go to Full Council in April. The current energy crisis is causing significant increases to energy bills so an additional focus will be on own generation of renewable energy.
Review our estate to investigate means of increasing energy efficiency to heating, lighting and cooling systems	Reduction	An area we directly control	H	Capital investment in estate Lower energy costs		List of 35 buildings agreed to receive energy efficiency audits. In addition, new Government decarbonisation fund and Low Carbon Skills Fund recently announced and assessment underway for feasibility.	Energy efficiency audits complete. Projects identified at 20 buildings to replace lighting, improve insulation and heating controls.  Funding applied for full decarbonisation surveys for schools and leisure centres.	Energy efficiency projects to be undertaken during 2022/23.  CRF Funding awarded in November 2021 to carry out feasibility studies on a number of community buildings in the area, as well as providing Carbon Literacy training to building management personnel.
Investigate the business case for acquiring or funding renewable energy installations in North Somerset	Avoidance	An area we directly control	H	Supports investment in technology Security of own supply		Initial feasibility of rooftop solar in council buildings assessed. Further business case not yet developed.	Business case in progress	
Replace streetlighting with low energy LED units	Reduction	An area we directly control	H	More resilient infrastructure Lower energy costs		65% complete. Energy consumption for streetlighting decreased by 31% in September 2020, compared to September 2019.	85% complete – completion expected November 2021. Energy consumption from streetlighting has decreased by 47% between 2018/19 and 2020/21 financial years.	Almost complete – the project has been extended slightly due to lower than anticipated project costs. An additional 485 lantern replacements are to be ordered and upgraded on site providing additional energy and carbon savings.

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Renew our ageing fleet with fully electric vehicles and charging facilities	Avoidance Reduction	An area we can directly control or can influence through our contracts or through funding/support/policy	M	Supports investment in technology Air quality improvements		Currently, of a fleet of 95 vehicles, 33 are EVs. A further 30 of our fleet vehicles will be replaced with EVs/PHEVs by early 2021. A review of vehicle requirements will also commence shortly.	We have recently upgraded a number of our fleet. Out of 92 vehicles, 51 are now fully electric. A further three diesel vans are to be upgraded shortly and two more are scheduled to be sold without replacement as they soon won't be required. The remaining diesel vehicles are mainly larger vehicles such as 4x4s and minibuses.	In 2021 North Somerset Council commissioned a Government funded project with Cenex and Virta called Vehicle to Grid (V2G). V2G charger technology enables the option to sell surplus electricity from our NSC Nissan vehicle batteries back to the electricity grid, helping to supply energy at times of peak demand.
Work with our contractors and service providers to support them in reducing their carbon footprint, take advantage of renewable energy sources, consider an electric fleet, and reduce their use of single-use plastic	Avoidance Reduction	An area we can influence through our contracts or through funding/support	H	Supports investment in technology		<ul style="list-style-type: none"> <li>In 2020, NSC and Alliance Homes signed a partnership agreement which featured an objective working together to 'Support the achievement of carbon neutrality in North Somerset by 2030 and reduce fuel poverty. In October, the Partnership Board met with a focus on climate emergency actions and understanding the scale of the task. Alliance Homes are currently undertaking an asset management review of their ~6,000 homes in North Somerset.</li> <li>In September, discussions with representatives of town and parish councils who have climate emergency interests started. This group is now planning to meet every 6-8 weeks for themed meetings to support each other with progressing climate actions.</li> <li>Skanska have a decarbonisation plan in place and are currently review this in line with the North Somerset contract.</li> </ul>	We are working with South Gloucestershire Council to jointly develop a toolkit for commissioners to mitigate risk through tender processes and to work with current contractors to improve their environmental performance. The approach is based around categories of expenditure, and two pilot workshops have been arranged for July.	<p>North Somerset road gritters, as well as other highway support vehicles, plant and tools, now run on Hydrogenated Vegetable Oil (HVO). Using HVO in place of diesel reduces the greenhouse gas emissions associated with fuel use by approximately 90% and an expected 150 tonnes CO2e will be saved each year through this measure.</p> <p>Working with our highways contractor, Milestone, road surfacing projects are now being delivered using warm asphalt and foambase rather than more traditional methods of using hot asphalt. The foambase material is produced using the council's recycled tar-bound material at OCL in Avonmouth. The warm asphalt has approximately 30 per cent lower embodied carbon compared to hot, and has many other benefits such as cooling and setting at a quicker rate, meaning the road can reopen quicker, minimising disruption to our residents and keeping traffic management costs lower.</p> <p>A fund of £600,000 was ringfenced for residential homes and nursing homes to apply for funding to help with projects relating to the three major themes of - innovation, climate</p>

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								emergency or community asset. Bids were invited between November and December 2021 and 18 of the 64 applications received related to climate emergency action.
<b>An energy efficient built environment</b>								
Aim for all our new homes to be Net zero carbon or net carbon plus	Reduction	An area we directly control	M	Air quality improvements Reduced carbon		Creating Sustainable Buildings and Places SPD currently under review.  Proposals outlined in the Future Homes Standard and Government planning white paper may reduce the amount of control Local Authorities can have on new homes.	Creating Sustainable Buildings and Places SPD was adopted in April 2021. It provides guidance for energy efficiency, renewable energy use and the transition towards zero carbon development. It also includes information on climate change adaptation measures.	The Local Plan Preferred Options document will be consulted on between March – April 2022. The Plan contains policy <b>DM6: Net Zero Construction</b> . This policy details that new buildings will be required to demonstrate net zero operational energy compliance on plan adoption and net zero embodied carbon by 2030.  The draft policy is compatible with changes in Buildings Regulations and the future Homes Standard 2025.  Comments received during the consultation will be taken into consideration within the next version of the Plan.
Aim for all our own new commercial space to be zero carbon or net carbon plus	Avoidance	An area we directly control	M	Lower energy costs for occupants				The Winterstoke Hundred Academy Expansion project will target net zero carbon in regulated energy*, a 10% biodiversity net gain and BREEAM excellent, which is only achieved by the top 10% of projects.
Where possible, specify precision manufactured buildings for homes, community and commercial space	Avoidance Mitigation	An area we directly control	H	Reduced wastage Less time on site Drives new skills		North Somerset Council's Executive has approved a recommendation to appoint Keepmoat Homes to deliver 425 new high-quality homes on its land at Parklands Village in Weston-super-Mare, including 15 per cent zero carbon homes.		The Council will deliver 52 homes on its land south of The Uplands, Nailsea. This development seeks to be an exemplar of environmental sustainability. Features of the scheme include: <ul style="list-style-type: none"> <li>All homes to be Passivhaus certified. This represents a very high standard of sustainability which also helps ensure good build quality and low energy bills.</li> <li>The scheme will not include any provision of domestic gas.</li> </ul>

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								<ul style="list-style-type: none"> <li>• A landscape led approach, with a high proportion of green space.</li> <li>• Electric vehicle charging for all homes, as well as contributions to fund an electric vehicle car sharing club.</li> <li>• Planning policies require a Habitat Regulations Assessment demonstrating ecological mitigations and enhancements.</li> </ul>
Aim to focus new mixed-use development on brownfield land, in town centres with public transport and proximity to major employment hubs	Avoidance Reduction Mitigation	An area we can directly control or can influence locally and nationally	H	Critical mass for transport and community infrastructure Protect habitats Affordable housing		The Local Plan 2038 is currently in development. The first document, outlining the 'Challenges for the Future' was consulted on in Summer 2020. The responses highlighted public concerns over climate change. This has been taken forward into the 'Choices for the Future' consultation, which will take place in Autumn 2020. The Choices document outlines four spatial approaches to delivering housing to 2038. Responding to the climate emergency and developing in sustainable locations are key strategic priorities, alongside prioritising brownfield development in existing town centres.	The Executive endorsed the preferred spatial approach in April 2021. 'Priority will be given to locating new residential and mixed use development in or close to urban areas where there is an existing or proposed wide range of facilities, services and jobs, and there are opportunities to encourage active travel, particularly at locations which are currently, or have the potential to be, well served by public transport. Employment opportunities will be encouraged at accessible locations well-related to the urban areas and where sustainable transport opportunities can be maximised. Residential development in areas at risk of flooding will be minimised outside the towns. The amount of development at villages and in the countryside will relate to local community needs.' Broad locations for growth have been identified, which reflect the approach detailed above. The next stage will be to identify the constraints and known development opportunities at these locations. Design and development principles will be identified, including those relating to addressing climate change as a priority. The plan will also need to make provision for sufficient land to	The Local Plan preferred option document sets out the strategic priorities for the development and use of land. Key strategic policies identified include: <ul style="list-style-type: none"> <li>• 'To deliver higher residential densities through good design, particularly at town centres, transport hubs and on brownfield sites.'</li> <li>• To prioritise the location of new development close to places with a wide range of services, facilities and job opportunities.</li> <li>• To address the decline in the town centres of Weston-super-Mare, Clevedon, Nailsea and Portishead through supporting regeneration and place-making initiatives which revitalise these places as the focus for retailing, community uses, housing and jobs.'</li> </ul> Further detail is contained in the following policies:  Policy <b>SP1: Sustainable Development</b> , will require new development proposals which: <ul style="list-style-type: none"> <li>• 'Support regeneration particularly in town centres'</li> </ul> Policy <b>SP5: Towns</b> : 'Town centres will be the primary focus for a wide range of retail, leisure, educational,

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							<p>meet future demand for employment space, guided by the spatial strategy. The scale of provision is less certain, but the plan will need to make provision for an appropriate range of business opportunities to support future growth.</p>	<p><i>cultural, community and other services which support, maintain or enhance their viability and vitality and their role and function.'</i></p> <p><b>Policy DP8: Efficient use of land:</b></p> <ul style="list-style-type: none"> <li>'Enable the reuse and regeneration of previously developed land; prioritise higher densities at more accessible locations such as town centres, local centres and transport hubs.'</li> </ul> <p><b>Policy DP23: Town Centres:</b></p> <ul style="list-style-type: none"> <li>'Support will be given for proposals which use land efficiently, support the residential use of upper floors and for the re-use of underused, poor quality or vacant land and buildings including appropriate temporary uses'</li> </ul>
Take opportunities to retrofit and/or improve the home energy efficiency of existing buildings.	Reduction	An area we can influence through our contracts or through funding/support	M	Public health outcomes Supports investment in technology Supports green skills/jobs		In December 2020, NSC submitted a joint bid with Bristol City Council as lead to the Department for Business, Energy and Industrial Strategy (BEIS) £200m Green Homes Grant. If successful, the work to improve the energy efficiency of 100 homes in North Somerset will be delivered between April and September 2021. Alliance Homes have joined the bid and they plan to target oil fired homes also provide external wall insulation. The proposal is as follows:	<p>Green Homes Grant to improve 100 homes was successful. NSC and Alliance Homes are progressing with improvements – expected completion data March 2022.</p> <p>The South West Energy Hub (SWEH) has allocated £7.5m for home energy improvements across the West of England. Owner occupiers can receive up to £10,000 of measures for the rented sector the maximum grant is £5,000 with 33% minimum landlord contribution. SWEH are sponsoring a capacity building</p>	<p><b>Green Homes Grant (LAD1b)</b> scheme extended to June 22 with additional funds allocated for a further 24 park home improvements.</p> <p><b>Sustainable Warmth</b> – initial bid unsuccessful but BEIS now indicate will receive HUG (Home Upgrade Grant) funding in April; amount TBC but estimate around 75 dwellings.</p> <p><b>Retrofit</b> – the challenges of accelerating a retrofit programme are acknowledged i.e. contractor numbers, training</p>



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						<ul style="list-style-type: none"> <li>• 25 park home full retrofit improvements</li> <li>• 50 social housing (Alliance Homes) combination EWI, renewables</li> <li>• 25 private sector dwellings identified through existing warm homes project</li> </ul>	<p>scheme; NSC have submitted a bid to recruit a Retrofit Coordinator for 12 months to help with the roll out of government funded retrofit projects.</p> <p>SWEH are delivering LAD2 (Local Authority Delivery) and are working with NSC to identify eligible households, including social housing sector as part of a government funded scheme</p> <p>The governments Sustainable Warmth programme has opened with two opportunities for funding through LAD3 (on gas grid) and HUG1 (Home Upgrade Grant oof-gas grid). The LAD scheme is as outlined above but HUG potentially offers £25k per dwelling. Currently in discussion with WoE about a consortium bid, closing date for submissions 4th August 2021. Programmes will run until March 2023.</p>	<p>providers, builders merchant supply issues, retrofit coordination &amp; householder technical advice and support, business growth and local authority roles. Encouragingly, sub-regional work has started through work with both WECA and CSE to build the local supply chain. The work to establish the various building blocks will take time but its critical each element is sufficiently advanced with capacity before delivering a programme. It's estimated around 250,000 homes across the WoE require measures to achieve net zero carbon emissions.</p> <p>CSE net zero homes – next steps involve mapping demand, funding and training opportunities leading to driving growth across sectors e.g. apprenticeships and the long term coordination and design of process.</p> <p>WECA – working on capacity building, funding provision and collaboration.</p> <p>WECA Capacity Building Fund has funded the recruitment of Domestic Retrofit Caseworker solely for NSC which will considerably enhance our work locally. The funding includes training which will increase technical expertise which can be applied to own stock also. Supporting future funding bids will be valuable.</p> <p>LGA funded Housing Retrofit Action Learning Set Programme has concluded – currently collating the actions and learning from participants. A deep dive into the challenges and barriers,</p>

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								<p>led by West Midlands Energy Hub. Report due April 22.</p> <p>Stock Condition Survey commissioned including a specific energy model to focus on mapping interventions based on property type, income and carbon reductions. Report due Spring 22.</p> <p>Social Housing Decarbonisation Fund – WECA successful Wave 1 bid are working with Elim HA &amp; Livewest to improved home to minimum EPC level C. Wave 2 to be announced soon.</p> <p>Housing Strategy (draft) – home energy projects included; Retrofit Strategy (sub-regional); Affordable Warmth Delivery Plan, Private Rented Sector intervention. These projects will require resourcing. Links to health &amp; Wellbeing Strategy.</p> <p>The ongoing energy cost crisis has increased number of households in fuel poverty; providing additional support to Warmer Homes, Advice and Money (WHAM) has been priority. CCG have been approached for further funding to target fuel poor households to improve home energy efficiency. Short term funding to help with costs does nothing to reduce carbon, better insulated homes is the answer. Greater focus on promoting and education of home energy improvements will be encouraged, subject to resources.</p>
Support, encourage and enable homeowners and businesses	Reduction	An area we can influence through our contracts or through funding/support	M	Public health outcomes Supports investment in technology		North Somerset Council have expanded the range of loan assistance available to include lending money to homeowners or landlords to make homes more	North Somerset SMEs have been able to access West of England Green Business Grants since early 2021. Measures included LED lighting and controls; solar film to	Companies in North Somerset can book a free package of business carbon support made up of Carbon Literacy training, a carbon baseline assessment

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to improve energy efficiency of existing buildings.				Supports green skills/jobs		<p>energy efficient or install low carbon technologies. The new Home Energy and Renewable Loan for up to £8000 (4% fixed/Typical 4.2% APR) can be used for the installation of renewable and low carbon technology measures and improvement of insulation in domestic properties.</p> <p>In addition, all homeowners will be given a £250 incentive payment, to use for the purchase of A++ rated kitchen appliances or used to reduce their Council Tax liability for the year the improvements are carried out. The loan can be used in conjunction with a voucher from the Governments Green Homes Scheme to fund the householders required contribution for works.</p>	<p>reduce overheating; more efficiency heating; insulation and energy efficiency equipment. Applications for grants closed on the 11<sup>th</sup> July, but businesses can still apply for a free Decarbonisation Report which will help identify energy saving improvements.</p> <p>North Somerset Council is working with Weston College and the Future Economy Network to support businesses in understanding their climate impact and how to make improvements.</p> <p>Government will be publishing the next phase of energy efficiency improvements for the private rented sector which will increase the minimum EPC to "D." Engaging with landlords and providing information of funding will be critical as will, robust enforcement. Potential BEIS bid for funding to support a targeted approach including enhanced data on stock being considered.</p>	<p>report and carbon reduction plan. The support is specifically designed for small to medium sized enterprises and will help businesses to understand:</p> <ul style="list-style-type: none"> <li>• climate change and what it means for their business</li> <li>• measures to understand and calculate greenhouse gas emissions</li> <li>• actions to reduce emissions.</li> </ul> <p>North Somerset business can also currently apply for the third round of Green Business Grants through the West of England Combined Authority. Green Business Grants help small and medium enterprises make energy-saving improvements to their buildings and business operations. The grants of up to £15,000 pay for 50% of eligible capital costs.</p> <p>As part of the LGA's Economic Growth Advisers Programme, a team from Eunomia are supporting development of the action plan to support North Somerset's SMEs' green economic recovery. In Autumn 2020, North Somerset Council adopted a new Economic Plan. Three foundations underpin the 16 commitments that we hope will deliver economic renewal and growth. One of the key foundations is that economic recovery in North Somerset should be 'green'.</p> <p>The CRF programme includes presence at local events to discuss home energy and a competition to win one of four home retrofit plans.</p>
Work with schools and other	Avoidance Reduction	An area we can influence through our contracts or	H	Supports investment in technology		Energy efficiency scheme to be offered to schools. To be funded through 0% Salix Loans, or	NSC have submitted a bid to produce a decarbonisation survey for all maintained schools	The CRF programme includes the production of decarbonisation plans for maintained school.

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stakeholders to ensure their estate is energy efficient and install renewable energy sources		through funding/support		Security of own supply		Government decarbonisation grants where appropriate.	in order to access future Government funding streams.	
Develop planning policy to actively support community led housing, self-build and custom build housing and consider use of council land to enable this	Reduction	An area we can directly control or can influence locally and nationally	L	Diversify housing delivery models			Local Plan policy under development.	<p>The Local Plan Preferred Options document will be consulted on between March- April 2022. This includes Policy <b>DP46: Homes for all:</b></p> <p><u>Self-build and custom build housing</u></p> <p>'Proposals for self-build and custom housebuilding will be supported. On development sites of 100 homes or more 5% of the total homes should be made available for sale as serviced self-build and custom housebuilding plots. For phased developments, self-build plots must be delivered and serviced at the earliest stage possible.</p> <p>Plots must be made available and priced and marketed appropriately as self-build or custom build plots for at least 18 months.</p> <p><u>Community-led housing</u></p> <p>Proposals for community-led housing will be supported because of the benefits they are expected to bring in terms of community cohesion, permanent affordability and sustainable development.'</p>
<b>Replenish our carbon stores</b>								
Develop and implement our Green Infrastructure Strategy	Mitigation Storage	An area we can directly control	M	Public health outcomes Ecological diversity		In development	The Green Infrastructure Strategy went to consultation Feb-Apr 2021. The consultation feedback is currently being reviewed and the strategy updated, it will be	Green Infrastructure strategy has now been adopted – add link, with one line summary

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							going to exec in September for review	
Identify Council land suitable for rewilding with aim of reducing amenity grass by 20%	Mitigation Storage	An area we directly control	H	Public health outcomes Ecological diversity		5,000 trees planted during spring 2020. Success rate has been reviewed and at most locations is around 70/80%. Select few locations have a much higher success rate. 20,000 trees to be planted winter 2020/21.	18,000 trees have been planted during winter 2020/21. Volunteers to be trained to provide aftercare to new trees during summer 2021. Lottery funding has been awarded to train rewilding champions who will monitor biodiversity in rewilded areas, this project will be run in partnership with Avon Wildlife Trust.	We are continuing our rewilding project winter 2021-22, when we will be aiming to plant around 5,000 trees on our open spaces.
Identify landscape scale tree planting opportunities to deliver nature recovery networks especially woodland creation and linking woodlands	Mitigation Storage	An area we directly control	H	Public health outcomes Ecological diversity		Within GI Strategy	Within GI Strategy	Climate priority - it is the council's intention to deliver improvements in the strategic management of wildlife and biodiversity by purchasing land and creating North Somerset Nature Parks.
Identify Council land suitable for changing grass cutting regime to encourage biodiversity	Mitigation Storage	An area we directly control	M	Public health outcomes Ecological diversity		Sites for tall grass on council land have been identified and established during 2020. Areas will be increased over the coming two summers	Further areas have been added and will continue to do so in the future.	Ongoing
Encourage and support our residents to create wildflower gardens through schemes such as the 'Blue Heart'	Mitigation Storage	An area we directly control	M	Public health outcomes Ecological diversity		Using the blue heart campaign as part of the rewilding project. Areas of tall grass will be assessed for viability to increase wildflower	A new objective in the Green Infrastructure Strategy has been identified through consultation which raises the importance of gardens.	This project is due to commence in 2022/23
<b>Adapting to climate change</b>								
Ask Government to rapidly review the impacts which achieving net-zero will have across society and put in place	Adaption	An area we can ask for help nationally	N/A			Council response to the Government's proposed Future Homes Standard highlighted the urgency of zero carbon homes policies.		

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effective measures to ensure that we have a fair transition to a net-zero country where the most vulnerable groups are supported								
Ensure a resilient infrastructure in North Somerset including retrofitting our built environment where necessary	Adaption	An area we directly control	N/A			Creating Sustainable Buildings and Places SPD currently under review – includes new section on adapting to climate change.	The updated Creating Sustainable Buildings and Places SPD (2021) requires developers to demonstrate how they have considered climate change adaptation measures in their designs.	The Local Plan Preferred Options document will be consulted on between March- April 2022. This includes Policy <b>DM5 – Climate adaptation and resilience</b> , which states that :  All development will need to demonstrate that the vulnerability to climate change has been taken into consideration through the provision of a climate change adaptation statement.
Ensure that work around our flood defences considers climate change and any local and regional effects	Adaption	An area we directly control	N/A			Summer Lane flood defence work underway.	Summer Lane flood defence work complete.	Management Plans consultation (by EA) has finished and will be published soon. Local Flood Risk Management Strategy including Flood Resilient North Somerset module is being developed  The Local Plan Preferred Options document will be consulted on between March - April 2022. This includes Policy <b>DP9: Flood risk</b> , which states that:  All development must consider its vulnerability to flooding, taking account of all sources of flood risk and the impacts of climate change, up to 100 years ahead on residential or mixed-use sites and 60 years ahead on non-residential sites.
Ensure North Somerset's Emergency Management	Adaption	An area we directly control	N/A					Work has commenced using the recently published LGA Climate Adaption Toolkit to update the Council's Climate Adaptation Plan.

Action	Method	Influence	Impact	Other benefits	Deliverability	Progress – Jan 2021	Progress – Jul 2021	Progress – Apr 2022
Plan is robust and resourced								
<b>Renewable energy generation</b>								
Explore the development of strategy that discourages investment in fossil fuels and promotes renewable energy generation	Avoidance Reduction	An area we directly control	H	Investment in new technology Public engagement		Assessment of potential for renewable energy generation across North Somerset currently underway. This will inform Local Plan development. Potential locations for renewable generation included in Local Plan call for sites.	The study outputs are currently being considered. The report highlights that there are relatively few locations suitable for wind turbine development. Therefore, appropriate policy will need to be developed to encourage wind energy generation at these locations. Community consultation will be integral to maximising the potential for renewable energy generation that has been identified by the study.	<p>The Local Plan Preferred Options document will be consulted on between March - April 2022. This contains Policy <b>DM7: Large-scale renewable energy generation</b>. This policy references the maps produced from the Renewable Energy Resource Assessment (RERAS) Study. The maps identify the Search Areas, which are those with the best potential for solar and wind in the District.</p> <p>DM7 states that: <i>'proposals will be supported in principle when identified within the Search Areas on these maps.'</i></p> <p>The policy also states that <i>'where community support is identified for a specific technology at a specific location, this will be identified as a preferred location for that technology.'</i></p> <p>The Centre for Sustainable Energy are leading community consultation with residents from six parishes which have been identified as having good potential for wind energy.</p> <p>The intention is to further refine the policy and the accompanying maps as part of the consultation process.</p> <p>Policy <b>DM6: Net Zero construction</b> requires that on-site renewable energy generation is maximised, to at least meet the onsite energy demand. Where this is demonstrated to be not technically feasible, then a renewable energy offsite</p>

Action	Method	Influence	Impact	Other benefits	Deliverability	Progress – Jan 2021	Progress – Jul 2021	Progress – Apr 2022
Pass a motion declaring North Somerset a Frack Free Zone to discourage the exploration and production of shale gas								contribution may be implemented.
	Avoidance	An area we directly control	M	Investment in new technology Public engagement				
Encourage our partners and stakeholders to procure electricity supply from 100% renewably generated sources	Avoidance Reduction	An area we can influence through our contracts or through funding/support	M	Investment in new technology Public engagement				
Encourage our residents to consider 100% renewable energy and support access to grant funding where possible	Avoidance Reduction	An area we can influence through support	M	Investment in new technology Public engagement		<p>Updated NSC Climate Emergency webpage and NS Life articles encourage 100% renewables.</p> <p>The new Home Energy and Renewable Loan for up to £8000 (4% fixed/Typical 4.2% APR) can be used for the installation of renewable and low carbon technology measures and improvement of insulation in domestic properties.</p> <p>Plan to join WECA Solar Together scheme in Autumn 2021 – bulk buying scheme which allows residents to purchase PV installations at a reduced rate.</p>	<p>Plan to join WECA Solar Together scheme in Autumn 2021 – bulk buying scheme which allows residents to purchase PV installations at a reduced rate.</p>	<p>In autumn 2021, North Somerset Council took part in the WECA Solar Together scheme. Solar Together is a bulk buying scheme which allows residents to purchase rooftop solar PV installations at a reduced rate.</p> <p>The whole scheme, which ran across North Somerset, Bristol, Bath and North East Somerset and South Gloucestershire [will have] resulted in over 1,300 installations including solar PV and additional battery storage where residents already had PV installed. In North Somerset, 292 solar PV installations took place including 173 which included battery storage and an additional 53 batteries were installed in other homes.</p> <p>It is estimated that these installations will lead to savings of over 300 tonnes CO2e per year in North Somerset. WECA and the Unitary Authorities are currently reviewing feedback received</p>



Action	Method	Influence	Impact	Other benefits	Deliverability	Progress – Jan 2021	Progress – Jul 2021	Progress – Apr 2022
								from residents and other performance indicators to decide whether to repeat the scheme in future rounds.
<b>Reduce emissions from transport</b>								
Continue to drive project delivery to shift from private car use	Avoidance	An area we can influence or ask for help locally/nationally	H	Air quality improvements Access to employment Opportunities for investment		Active travel strategy has been developed – public consultation to run from 2nd November to 14 December. JLTP4 contains guidance and projects to reduce car usage, JLTP5 will further bolster guidance & projects	Awaiting Government Decarbonisation Strategy for Transport (expected July). WECA-led WoE transport decarbonisation strategy to be completed Autumn 2021. NSC motor vehicle policy (including car parking) in development.	<p>Construction work has begun to build missing sections of the keenly awaited cycle route between Clevedon and Weston-super-Mare. The £3.1m Pier to Pier Way, which is jointly funded by North Somerset Council, National Highways, Department for Transport via Sustrans and the European Agricultural Fund for Rural Development, is set to open in the summer.</p> <p>The Pier to Pier Way will provide an important active travel route, that will welcome walkers, cyclists and horse-riders, and is expected to serve 70,000 one-way trips a year. It is estimated that this will result in approximately 145 tonnes of CO2 savings every year.</p> <p>As part of a changing era for town centres, North Somerset Council has been consulting with residents, visitors and businesses on a new vision planned around residential streets across Weston's town centre. The new proposals, covering between Alfred Street, Ashcombe Road, Locking Road and Gerard/Milton Road, will look at:</p> <ul style="list-style-type: none"> <li>• Reducing traffic speeds, for safer streets</li> <li>• Introducing parking measures, offering better resident access</li> <li>• Improvements for greener streets, with better walking and cycling routes</li> </ul> <p>A number of engagement events have already taken place both indoors and outdoors looking at local issues and design ideas.</p>

Action	Method	Influence	Impact	Other benefits	Deliverability	Progress – Jan 2021	Progress – Jul 2021	Progress – Apr 2022
Develop policies that actively encourage the demand for and delivery of connected public transport								Online consultation is running between late February and March.
	Reduction	An area we can influence or ask for help locally/nationally	M	Public health outcomes Ease congestion Air quality improvements		JLTP5 and the new Local Plan are likely to identify further public transport projects including Mobility as a Service	Bus Back Better announced. Bus Service Improvement Plan (BSIP). Guidance still awaited from Government. Puts local government in the driving seat for public transport delivery. 10 new support bus contracts commenced on 1 April.	<p>Local Plan Preferred Options document will be consulted on between March - April 2022. The spatial strategy states that priority will be given to locating new development in and close to urban areas, which are or have the potential to be well served by public transport. This supports the delivery of public transport connections where they do not currently exist.</p> <p>Policy <b>DP16: Public Transport accessibility</b> states that:</p> <p>All residential development should be within reasonable distance of a direct and frequent bus service providing access to a good range of facilities, services and jobs via a direct, safe and attractive pedestrian route. Infrastructure improvements to provide direct pedestrian or cyclist access to, and improvement of, bus stops may also be required.</p> <p>Developments will, as appropriate, be expected to encourage the use of public transport and delivery of effective and convenient services. This will include the integration of routes within residential areas, bus priority measures, direct routes to well-located public transport infrastructure, improved bus stop facilities, supporting interchange between different modes, higher density development in proximity to public transport, and contributions to enhanced levels of service.</p>

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Develop and secure funding for projects to grow the walking and cycling network across the district	Avoidance	An area we can influence or ask for help locally/nationally	M	Public health outcomes Ease congestion Air quality improvements		DfT Emergency Active Travel funds secured – temporary and permanent schemes. All transport projects are to include cycling and walking infrastructure within their business cases wherever possible.	Active Travel Strategy will go to Exec Committee for approval in July 2021. The aim of the ATS is to create a 10-year plan to enable, promote and increase walking, cycling and other active travel modes such as running, wheeling and scooting. It sets out an aspiration for active travel in North Somerset which is encapsulated by the vision statement for this Active Travel Strategy: 'Making walking and cycling the natural choice for a cleaner, healthier and more active North Somerset'. This strategy will be adopted during summer 2021.	The Active Travel Strategy has been adopted.  Active Travel 3 announcement in March after DfT delay
Implement our project to deliver an electric charging hub in Portishead	Avoidance Reduction	An area we directly control	M	Air quality improvements Investment in new technology		Portishead Marina Electric Vehicle Charging Hub which is due to open in December. Other charging points are also planned in key locations, with the first in Kewstoke.	The Rapid Charging Hub in Portishead has progressed more slowly due to COVID. A soft launch has now taken place, it is expected to open to the public in July 2021.	Project complete. Both rapid chargers are in the top 5 most used chargers in the West of England out of approx. 300 chargers. This site was chosen using socio economic data to see where the highest propensity to buy or lease and EV was in North Somerset.
Expand the electric vehicle charging network across North Somerset	Avoidance Reduction	An area we can influence or ask for help locally/nationally	M	Air quality improvements Investment in new technology			Electric Vehicle Strategy under development.  Residents were asked to nominate their street for an EV charging point during March. North Somerset Council are submitting a bid to the Office for Zero Emissions for the On Street Residential Charging Scheme (ORCS) this will be in July.  NSC is part of Revive, which is a network of public charging points for the West of England. In February 2021, a new charging point was launched in Sand Bay carpark and further sites will soon be launched in Worle Parkway, Nailsea and Backwell Station, Melrose Car Park, W-s-M, Hutton	Six new EV charging sites are progressing, including Nailsea & Backwell station, Worle Parkway, Melrose car park on W-s-M seafront, Great Western car park in Clevedon, Cleeve and Hutton Moor Leisure Centre. These will be complete by Autumn 2022.  The Parking Standards SPD, adopted in November 2021, sets out requirements for electric vehicle charging infrastructure at all new developments. This will encourage the uptake of Electric Vehicles amongst residents and will help futureproof our developments in the transition away from Internal Combustion Engine (ICE) vehicles.

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							Moor Leisure Centre, Budgens in Cleeve and Langford.	<p>The Local Plan Preferred Options document will be consulted on between March - April 2022. This includes Policy <b>SP10: Transport</b>: which states:</p> <p><i>'In order to facilitate the delivery of net-zero emissions and reduce the adverse environmental effects of transport, development proposals and transport schemes must include:</i></p> <ul style="list-style-type: none"> <li><i>• Delivery of infrastructure to facilitate the use of electric vehicles'</i></li> </ul> <p>Also policy <b>DP14: Active and sustainable transport</b>, which states:</p> <p><i>'New development will be designed and located to minimise the need to travel and support a hierarchy which prioritises walking, then cycling, public transport, car clubs and finally private electric vehicles.'</i></p>
Require all schools to deliver travel plans which maximise the number of students walking, cycling or travelling sustainably to school.	Reduction Mitigation	An area we can influence or ask for help and support locally	M	Air quality improvements Public health outcomes Public engagement		Work beginning on Sustainable Modes of Travel Strategy (SMOTS) for secondary schools. Strategy will audit current travel data and infrastructure and highlight what can be done to reduce reliance on school buses and cars.	Work continues on SMOTS strategy for Secondary schools. Sustrans Bike IT officer in post until March 2022 to support capital programme schemes.	We are working with a larger number of schools through the Modeshift STARS programme.
Review Parking Planning Guidance to provide fewer parking spaces in sustainable locations	Avoidance Reduction	An area we directly control	M	Air quality improvements		Parking standards SPD currently under review. Revised standards will facilitate reductions in vehicle parking in accessible locations.	<p>Parking standards SPD went to public consultation April 2021.</p> <p>10 Year Parking Strategy being developed as part of motor vehicle strategy.</p>	The Parking Standards SPD, adopted in November 2021, sets out requirements for electric vehicle charging infrastructure at all new developments. This will encourage the uptake of Electric Vehicles amongst residents and will help futureproof our developments in the transition

Action	Method	Influence	Impact	Other benefits	Deliverability	Progress – Jan 2021	Progress – Jul 2021	Progress – Apr 2022
								away from Internal Combustion Engine (ICE) vehicles.
Encourage resident parking schemes, car sharing schemes and walking and cycling to support	Avoidance Reduction	An area we directly control and/or influence through support	M	Air quality improvements		The new Local Plan is likely to require such in new developments.	Recruitment underway for officer to progress WsM RPZ. Leigh Woods Parking Scheme due to complete October 2021.	Leigh Woods parking scheme is on track to be completed by the end of February 2022. It will see the introduction of on-street charges alongside a residents permit scheme, the first of these to be introduced in North Somerset. This pilot scheme will help balance demands from different users enabling commuters, residents and visitors to park when they need to and charges will help discourage unnecessary car trips.
Encourage our residents to consider their transport choices	Avoidance Reduction	An area we can influence through support	M	Air quality improvements Public health outcomes		Work continues to deliver the DfT Access Fund, with a focus on business, schools and communities to encourage active and sustainable travel and reduce single occupancy car use. Marketing and communication has been used to publicise offers, encourage active and sustainable travel and provide information about relevant upcoming events and road and path closures.	Officers recruited to support 20mph zones and Low Traffic Neighbourhoods. Officers will liaise with Town and Parish Councils and residents.	A new officer has been appointed for 20mph, Liveable Neighbourhood schemes and EV provision. A further new role will focus on travel plans engagement and transport planning.
<b>Repair, reuse, reduce and recycle</b>								
Zero kerbside waste to landfill with an increasing percentage recycled and the remainder used as energy from waste	Avoidance	An area we directly control	H	Managing international impacts Ecological diversity		New 10 year contract commenced 1 April 2020 for the delivery of kerbside collected waste to Energy from Waste plants at Avonmouth. This is a joint WoE arrangement. Over 14,000 tonnes delivered in first 6 months and reduced road haulage as previously waste taken to Gloucestershire. Waste strategy in development which will have climate emergency as a key theme and how the various waste management functions impact and measures to reduce.	The waste strategy is out to consultation with the climate emergency as a key theme. In April 2021, waste services moved to new arm's length company – North Somerset Environment Company.  At the end of 2020, Eunomia published their latest Recycle Carbon Index, ranking Local Authorities on how their recycling activities are delivering carbon benefits. North Somerset ranked 7 <sup>th</sup> out of all UK authorities.	Waste Strategy adopted Feb 2022. The strategy sets out key objectives and will report progress against these on an annual basis.
Consider our green waste collection to	Reduction	An area we directly control	M	Financial savings		Charging for collections to commence from April 2021. An	In the first three months of the new garden waste service, 42,000	Funding for community composting initiatives agreed for

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encourage composting and rewilding						integral part of this is to encourage composting through subsidised composters, links to composting advice, community composting and working with Town and Parish councils and the local community	households signed up for garden waste collection and over 3,200 NSC compost bins have been purchased by the community. Compost generated by North Somerset's garden waste collections have begun to be donated to community schemes in the area.	2022/23 and Garden organics are supplying training to 'composting champions'. Procurement exercise carried out to allow residents to purchase a greater range of subsidised composters.
Increase the percentage of Improved reuse areas to be negotiated with contractors and encourage third sector involvement, such as Changing Lives in Clevedon	Avoidance	An area we can directly control or can influence through our contracts or through funding/support/policy	M	Resident engagement		Changing Lives carry out bulky waste collections within North Somerset with reusable items being prepared for re-use and sold within their shops. Reuse strategy is in development with opportunities for the new NSC owned recycling and waste company to provide.	Waste Strategy released for consultation June 2021. Actions identified to encourage and support reuse.  NSC investigating case for additional reuse centre.  Working with Weston Cycle Works to reuse bicycles from recycling centres.	Reuse strategy has been drafted and will be finalised in 2022. This will identify different groups, reuse opportunities and outline how North Somerset are able to identify and facilitate ongoing reuse initiatives.
Encourage our residents to reuse, repair and recycle	Reduction	An area we can influence through support	M	Resident engagement		Will be addressed within reuse strategy. Information provided within service leaflet, on web and social media. Community re-use events suspended due to COVID but will re-commence when possible.	As above	Recycling campaign being drawn up which will include resident engagement in some areas, vehicle banners and the use of cards/stickers for crews to help them engage with residents. The next phase of food waste collections from flats has been planned and will be rolled out February/March 2022. These areas have also been assessed to ensure adequate provision of other recycling collections, with provision being made where required.
Sign-post community groups to expertise and funding	Mitigation	An area we can influence through support	L	Community engagement		Signposting in place to local community groups. Will be covered more fully in reuse strategy.	As above	