The North Somerset Climate Emergency Strategic Action Plan is a live document which lists a series of over-arching actions that we will explore in North Somerset to address the causes and consequences of climate change. Each action could contribute towards our aim of being a carbon neutral council and a carbon neutral area by 2030. The actions are aligned to the seven key principles within our Climate Emergency Strategy.

The actions listed are subject to further exploration and in some cases, targeted business cases. Some actions fall under more than one principle and where that is the case they have been listed under the 'primary principle'. A more detailed working plan that informs the work programme for North Somerset Council and partners includes additional detail on calculations for carbon emission reductions, quantity of greenhouse gas removals of each action, financial estimates, ease of delivery, and specific targets for each year to 2030.

The North Somerset Climate Emergency Strategy can be found <a href="https://example.com/here.

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

Become a net zero carbon council

- Take a leadership role across the area to encourage, support and enable others to reduce their carbon emissions
- Appoint a Climate Emergency Programme Manager to oversee the CE Strategy delivery and Action Plan implementation
- Ensure a programme of robust reporting on progress internally and externally (data dashboard)
- Assess all major council projects for their impacts on carbon emissions
- 'Carbon proof' all future strategies and policies and ensure mitigations
- Continue to develop the Council's sustainable procurement policies and practices
- Support flexible working and home working to reduce the carbon footprint of our workforce
- Continue to provide/promote schemes such as 'cycle to work' and 'Travelwest challenge' to encourage sustainable transport choices by our workforce
- Calculate and then rapidly reduce the council's use of single-use plastic
- Ensure all the council's electricity supply is provided by 100% renewably generated sources
- Review our estate to investigate means of increasing energy efficiency of heating, lighting and cooling systems
- Investigate the business case for acquiring or funding renewable energy installations in North Somerset
- Replace all streetlighting with low energy LED units
- Renew our ageing fleet with fully electric vehicles and charging facilities
- 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.

An energy efficient built environment

- Aim for all our new homes to be zero carbon or net carbon plus
- Aim for all our own new commercial space to be zero carbon or net carbon plus
- Where possible, specify precision manufactured buildings for homes, community and commercial space
- Aim to focus new mixed-use development on brownfield land, in town centres with public transport and proximity to major employment hubs
- Work with schools and other stakeholders to ensure their estate is energy efficient and install renewable energy sources
- Develop planning policy to actively support community led housing, self-build and custom build housing and consider use of council land to enable this.

Replenish our carbon stores

Develop and implement our **Green Infrastructure Strategy** and as part of that:

- Identify Council land suitable for rewilding with aim of reducing areas off amenity grass by 20%
- Identify landscape scale tree planting opportunities to deliver nature recovery networks especially woodland creation and linking woodlands
- Identify Council land suitable for changing grass cutting regimes to encourage biodiversity
- Encourage and support our residents to create wildflower gardens through schemes such as the 'Blue Heart'.

Renewable energy generation

- Explore the development of strategy that discourages investment in fossil fuels and promotes renewable energy generation
- Pass a motion declaring North Somerset a Frack Free Zone to discourage the exploration and production of shale gas
- Encourage our partners and stakeholders to procure electricity supply from 100% renewably generated sources
- Encourage our residents to consider 100% renewable energy and support access to grant funding where available.

Reduce emissions from transport

- Continue to drive project delivery to shift from private car use
- Develop policies that actively encourage the demand for and delivery of connected public transport
- Develop and secure funding for projects to grow the walking and cycling network across the district
- Implement our project to deliver an electric charging hub in Portishead
- Require all schools to deliver *travel plans* which maximise the number of students walking, cycling or travelling **sustainably** to school.
- Review parking planning guidance note to consider maximum parking levels and reduce the number of spaces delivered for new development.
- Encourage resident parking schemes, car sharing schemes and walking and cycling to support
- Encourage our residents to consider their transport choices.

Repair, reuse, reduce and recycle

- **Zero** kerbside waste to landfill with an increasing percentage recycled and the remainder used as **energy from waste**
- Consider our green waste collection to encourage composting and rewilding
- Increase the percentage of Improved reuse areas to be negotiated with contractors and encourage third sector involvement, such as Changing Lives in Clevedon
- Encourage our residents to reuse, repair and recycle
- Sign-post community groups to expertise and funding.

Adapting to climate change

- Ask Government to rapidly review the impacts which achieving net-zero will have across society and put in place 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
- Ensure that work around our flood defences considers climate change and any local and regional effects
- Ensure North Somerset's **Emergency Management Plan** is robust and resourced.

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

Scope

S1: all direct emissions from activities within our area

S2: all indirect emissions from energy production/ use in our area

S3: all other indirect emissions from activities within our area, occurring from sources we do not own or control

Tonnage

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

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	Stakeholders	Scope	Tonnage	Other benefits	Deliverability	
Become a net zero carbon council								
Take a leadership role across the area to encourage, support and enable others to reduce their carbon emissions	All	An area we directly control	All	All	TBC			
Appoint a Climate Emergency Project Manager to oversee the CE Strategy delivery and Action Plan implementation	All	An area we directly control	All	All	TBC			
Ensure a programme of robust reporting on progress internally and externally (data dashboard)	All	An area we directly control	All	All	TBC			
Assess all major council projects for their impacts on carbon emissions	All	An area we directly control	North Somerset Council and partners	All	TBC			
'Carbon proof' all future strategies and policies and ensure mitigations	All	An area we directly control	North Somerset Council and partners	All	TBC			
Continuous development of the Council's sustainable procurement policies and practices	All	An area we directly control	North Somerset Council and contractors	All	TBC			
Support flexible working and home working to reduce the carbon footprint of our workforce	Reduction	An area we directly control	North Somerset Council	\$1	М	Productivity gains Public health outcomes		
Continue to provide/promote schemes such as 'cycle to work' and 'Travelwest challenge' to encourage sustainable transport choices by our workforce	Avoidance Reduction	An area we can directly control or can influence through our contracts or through funding/support/policy	North Somerset Council, community groups and partners	\$1	М	Air quality improvements Public health outcomes		
Calculate and then rapidly reduce the council's use of single-use plastic	Reduction	An area we directly control	North Somerset Council	\$1	L	Reduced waste		
Ensure all the council's electricity supply is provided by 100% renewably generated sources	Reduction	An area we directly control	North Somerset Council and contractors	\$2	М	Supports investment in technology		
Review our estate to investigate means of increasing energy efficiency to heating, lighting and cooling systems	Reduction	An area we directly control	North Somerset Council and contractors	\$1	Н	Capital investment in estate Lower energy costs		

Action	Method	Influence	Stakeholders	Scope	Tonnage	Other benefits	Deliverability	
Investigate the business case for acquiring or funding renewable energy installations in North Somerset	Avoidance	An area we directly control	North Somerset Council and contractors	\$1	Н	Supports investment in technology Security of own supply		
Replace streetlighting with low energy LED units	Reduction	An area we directly control	North Somerset Council and contractors	\$2	Н	More resilient infrastructure Lower energy costs		
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	North Somerset Council, partners and contractors	\$1	М	Supports investment in technology Air quality improvements		
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	North Somerset Council, partners and contractors	\$1	Н	Supports investment in technology		
An energy efficient built environment								
Aim for all our new homes to be zero carbon or net carbon plus	Reduction	An area we directly control	North Somerset Council, partners and contractors	\$1	Н	Air quality improvements Reduced carbon		
Aim for all our own new commercial space to be zero carbon or net carbon plus	Avoidance	An area we directly control	North Somerset Council, partners and contractors	\$1	Н	Lower energy costs for occupants		
Where possible, specify precision manufactured buildings for homes, community and commercial space	Avoidance Mitigation	An area we directly control	North Somerset Council, partners and contractors	\$1	Н	Reduced wastage Less time on site Drives new skills		
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	North Somerset Council, partners and central government	\$3	н	Critical mass for transport and community infrastructure Protect habitats Affordable housing		
Work with schools and other stakeholders to ensure their estate is energy efficient and install renewable energy sources	Avoidance Reduction	An area we can influence through our contracts or through funding/support	North Somerset Council and partners	\$2	Н	Supports investment in technology Security of own supply		
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	North Somerset Council, partners and central government	\$1	L	Diversify housing delivery models		
Replenish our carbon stores								
Develop and implement our Green Infrastructure Strategy	Mitigation Storage	An area we can directly control	North Somerset Council, partners and contractors	\$1	М	Public health outcomes Ecological diversity		
Identify Council land suitable for rewilding with aim of reducing amenity grass by 20%	Mitigation Storage	An area we directly control	North Somerset Council	S 1	Н	Public health outcomes Ecological diversity		
Identify landscape scale tree planting opportunities to deliver nature recovery networks especially woodland creation and linking woodlands	Mitigation Storage	An area we directly control	North Somerset Council, partners and contractors	\$1	Н	Public health outcomes Ecological diversity		
Identify Council land suitable for changing grass cutting regime to encourage biodiversity	Mitigation Storage	An area we directly control	North Somerset Council, partners and contractors	\$1	М	Public health outcomes Ecological diversity		
Encourage and support our residents to create wildflower gardens through schemes such as the 'Blue Heart'	Mitigation Storage	An area we directly control	North Somerset Council, community groups and residents	\$1	М	Public health outcomes Ecological diversity		

Action	Method	Influence	Stakeholders	Scope	Tonnage	Other benefits	Deliverability	
Adapting to climate change								
Ask Government to rapidly review the impacts which achieving net-zero will have across society and put in place effective measures to ensure that we have a fair transition to a net-zero country where the most vulnerable groups are supported	Adaption	An area we can ask for help nationally	North Somerset Council and central government	N/A	N/A			
Ensure a resilient infrastructure in North Somerset including retrofitting our built environment where necessary	Adaption	An area we directly control	North Somerset Council, partners and central government	N/A	N/A			
Ensure that work around our flood defences considers climate change and any local and regional effects	Adaption	An area we directly control	North Somerset Council, partners and central government	N/A	N/A			
Ensure North Somerset's Emergency Management Plan is robust and resourced	Adaption	An area we directly control	North Somerset Council	N/A	N/A			
Renewable energy generation								
Explore the development of strategy that discourages investment in fossil fuels and promotes renewable energy generation	Avoidance Reduction	An area we directly control	North Somerset Council	\$3	Н	Investment in new technology Public engagement		
Pass a motion declaring North Somerset a Frack Free Zone to discourage the exploration and production of shale gas	Avoidance	An area we directly control	North Somerset Council	\$3	М	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	North Somerset Council, partners and contractors	\$3	М	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	North Somerset Council, community groups and residents	\$3	М	Investment in new technology Public engagement		
Reduce emissions from transport								
Continue to drive project delivery to shift from private car use	Avoidance	An area we can influence or ask for help locally/nationally	North Somerset Council, partners and central government	\$3	Н	Air quality improvements Access to employment Opportunities for investment		
Develop policies that actively encourage the demand for and delivery of connected public transport	Reduction	An area we can influence or ask for help locally/nationally	North Somerset Council, partners and central government	\$3	М	Public health outcomes Ease congestion Air quality improvements		
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	North Somerset Council, partners and central government	\$1	М	Public health outcomes Ease congestion Air quality improvements		
Implement our project to deliver an electric charging hub in Portishead	Avoidance Reduction	An area we directly control	North Somerset Council	\$1	М	Air quality improvements Investment in new technology		
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	North Somerset Council and education providers	S 1	М	Air quality improvements Public health outcomes Public engagement		

Action	Method	Influence	Stakeholders	Scope	Tonnage	Other benefits	Deliverability	
Consider reviewing parking planning guidance note to set maximum parking levels and reduce the number of spaces delivered for new development.	Avoidance Reduction	An area we directly control	North Somerset Council	\$1	М	Air quality improvements		
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	North Somerset Council, community groups and residents	\$1	М	Air quality improvements		
Encourage our residents to consider their transport choices	Avoidance Reduction	An area we can influence through support	North Somerset Council, community groups and residents	\$1	М	Air quality improvements Public health outcomes		
Repair, reuse, reduce and recycle								
Zero kerbside waste to landfill with an increasing percentage recycled and the remainder used as energy from waste	Avoidance	An area we directly control	North Somerset Council and contractors	\$3	Н	Managing international impacts Ecological diversity		
Consider our green waste collection to encourage composting and rewilding	Reduction	An area we directly control	North Somerset Council and contractors	\$3	М	Financial savings		
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	North Somerset Council and contractors	\$1	М	Resident engagement		
Encourage our residents to reuse, repair and recycle	Reduction	An area we can influence through support	North Somerset Council, community groups and residents	\$1	М	Resident engagement		
Sign-post community groups to expertise and funding	Mitigation	An area we can influence through support	North Somerset Council and community groups	\$1	L	Community engagement		