

North Yorkshire Climate Change Strategy Delivery Pathway: Mitigation - reducing our impact on the climate by decreasing greenhouse gas emissions

Key: Delivered or led by NYC / **Delivered in**

	Short term actions to 2025	Outcome	Anticipated / Actual Output	Lead Directorate	Resource Implication	2030	
a.	The Built Environment						
i	Retrofit commercial, community and residential properties and assets using a 'fabric first' approach.						
		Private sector retrofit	Sustainable Warmth and Home Upgrade Grant 2 Programme of private sector housing retrofits	X. No retrofitted homes tCO2e saved	Health and Adult Services and Community Development	£x Sustainable Warmth and HUG2 External funding secured	continue retrofit programmes subject to continued Government support
		Social Housing Sector Decarbonisation	Social Housing Retrofit Action plan developed by 31.12.24 Programme of social housing retrofits	150 retrofitted homes tCO2 saved	Community Development	£SHDF x External funding bid for £ Internal resource	continue programme subject to continued Government support
		Local Energy Advice Demonstrator	Domestic energy efficiency advice delivered across NY	XX no. interventions	Community Development	£x external funding secured	advice programme based on national learning from LEAD programme
		Warm and Well Programme	Domestic energy efficiency advice delivered across NY	XX no. interventions	Health and Adult Services	£x external funding secured	Continue advice re retrofit to reduce fuel poverty
		Decarbonisation Community and Business sustainability grants	Audits and grants for decarbonisation projects across NY	50 further anticipated community and business decarbonisation audits 40 properties retrofitted tCO2e saved	Environment	Officer time £x External funding secured	Continue programme subject to continued Government Support
		Landlords energy efficiency advice	Advice and enforcement programme to improve domestic energy efficiency in the private rental sector	No. advisory actions No. enforcement actions	Community Development	Officer time and Beyond Carbon resource to scale up activity £10,000	Continued programme
		Housing Stock Analysis	Study to identify housing energy performance in NY	Data across NY	Y&NY LEP	£x External funding secured	Repeat to target future programmes
		Craven Empty Homes project	Pilot to purchase and retrofit empty homes	3 'show homes' retrofitted	Community Development	£x External funding secured	lessons learnt for retrofitting housing stock
		Develop a retrofit plan for 'hard to treat' properties	Enabling retrofit in protected landscapes and historic buildings across NY	30.06.24 Hard to Treat analysis of stone homes and victorian terraces Study of multiple person properties (flats type)	Community Development	Officer time Beyond Carbon funding	Continue to develop approach to retrofit
		Develop Housing retrofit supply chain study	Secure economic multiplier of retrofit investment locally	Retrofit supply chain action plan (by LEP) No. skills development courses	Community Development	£x external funding secured	Monitor local supply chain and skills development pathways
		Leisure Services Decarbonisation Programme	Programme of decarbonisation of leisure facilities	18 Decarbonisation audits 7 facility retrofits tCO2e saved kwh renewable energy generation	Community Development	£x Beyond Carbon funding (audits) £x External funding bid for	subject to continued Government Support and / or financial business case development
		Develop a programme of property retrofits	Decarbonise NYC property portfolio	Decarbonisation Scheme applications No. properties retrofitted tCO2e saved kwh renewable energy generation	Resources	Officer time £x External funding bid for £ Internal resource	Continue programme subject to continued Government Support and / or financial business case development

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		Develop a community energy programme	Supporting locally based retroft programmes	study Pickering Geothermal Well study Support for community energy efficiency projects	Environment	Officer time £External funding bid for £External funding secured	To support implementation, share the learning and replicate
ii	Ensure new buildings are designed to be 'climate responsible'	Support 'Future Buildings' Standards	Ensure new buildings are energy efficient, have low carbon heating and are climate resilient	Lobby Govt for Future Building Standards adoption	Resources	Officer time	Future Building Standards in place
		NYC new build programme	Ensure new buildings are energy efficient, have low carbon heating and are climate resilient	No. Energy efficiency of NYC new build properties	Resources	£xExternal funding bid for £x External funding secured £X internal funding	businesses to gain skills and win contracts to develop low carbon buildings, including 'biobased' construction.
b	Travel and Transport						
i	Reducing the need to travel by improving access to digital services and ensuring services are provided close to people's homes, workplaces and businesses	Digital Services Plan	NYNET programme update		Resources		
			NY 'Place making' infrastructure	To secure settlements and developments close to homes and within neighbourhoods	Community Development	Officer time £X external funding	subject to continued Government Support and / or financial business case
			NY Local Plan	To secure settlements and developments close to homes and within neighbourhoods	Community Development	Officer time	Continue plan development
ii	Increase walking and cycling opportunities	Improve cycling and walking infrastructure	Local Transport Plan Programme of cycling and walking implementation plans Improved access to bicycles	Carbon Reduction No. CWIP, No. KM CWIP delivered Bike recycling programme	Environment	£xExternal funding bid for £x External funding secured £X internal funding	Continue programme subject to continued Government Support and / or financial business case
		Encourage cycling and walking	Local Transport Plan Quantifiable Carbon Reduction Targets Behavioural analysis and Active Travel campaign Promote cycle to school	No. Campaigns No. bikeability courses	Environment, Health and Adult Services	Officer time £ funding requirement	LTP implementation Continue programme subject to continued Government Support and / or financial business case development
iii	Enable and support people to choose multi person travel options	Support public transport development an modal shift Consolidate and expand 'Car Share' Schemes, internal and external	Local Transport Plan Increased use of NYC supported public transport Public transport infrastructure improvements (place making) Increased membership of joint car use schemes (car clubs), investigate options for expanding scope, encourage take up of car share opportuntiiies Continuation of North Yorkshire Lift Share programme	Local Transport Plan Quantifiable Carbon Reduction No.Public transport infrastructure improvements No. journeys on NYC supported public transport Harrogate car share scheme: No. miles saved No. community shared mobility schemes tCO2e saved	Environment	Officer time £ External funding bid for £External funding secured £ Internal	LTP implementation Continue programme subject to continued Government Support and / or financial business case development

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iv	Increase access to 'alternative fuels' for personal and commercial vehicles	Develop a programme of NYC fleet decarbonisation	Fleet decarbonisation strategy by 31.03.24, Feasibility study on production and use of green hydrogen for HGV fleet, property decarbonisation plan including EV upgrades by 31.03.24	KM converted to EV, KM converted to green hydrogen, KM converted to alternative fuels. tCO2e saved 7.3tCO2e reduction	Environment	Officer time. £ DDNZF secured for Community Transport EV Project, Green energy park (green hydrogen assesement), EV Hyperhub at P&R sites	Continue programme subject to continued Government Support and / or financial business case development
		Support community and business conversion to low carbon fuels	Enabling low carbon fleet options: NYC EVCP Strategy roll out Feasibility study on production and use of green hydrogen for HGV fleet. SPF Decarbonisation programme for communities and businesses Regional Hydrogen supply and demand study by NE&YNZH	KM converted to EV, KM converted to green hydrogen, KM converted to alternative fuels. tCO2e saved	Environment	Officer time £ DDNZF secured for Community Transport EV Project, Green energy park (green hydrogen assesement), LEVI EVCP funding	Continue programme subject to continued Government Support and / or financial business case development
		sacrifice scheme (internal NYC staff)	Increase take up of ULEVs salay sacrifice scheme	No. EVs through the programme	HR and business support	Officer time	Continue programme
v	are supported by the Local Plan making process and Neighbourhood Plan place making and Local Transport Plan and promote sustainable travel options to residents, businesses and in the	Local Transport Plan by 31.03.25	Development of the plan including quantifiable carbon reduction targets	Local Transport Plan quantifiable carbon reduction. tCO2esaved	Environment	Officer time	LTP Implementation Local Plan development
vi	Ensure that North Yorkshire has the skills required to support low carbon travel options	NYC Economic Growth Strategy	Supporting skills for a low carbon economy	Skills analysis for low carbon transport sector Careers advice for low carbon transport No. skills sessions provided	Community Development / MCA	£DDNZF Green Hydrogen feasibility study includes skills analysis £xExternal funding bid for £x External funding secured	Skills requirement and development monitoring
c	Waste and Circular Economy						
i	Take a waste hierarchy approach	Single Use Plastics policy	NYC Waste Management Plan		Environment		
		Behaviour change analysis and campaign	North Yorkshire Rotters	No. sessions completed	Environment	Officer time £internal	
ii	Investigate the options to decarbonise the waste collection and disposal systems in North Yorkshire including at Allerton	Develop the options for decarbonisation	Options analysis and business case development by 31.03.25	To identify potential future investment opportunities	Environment	Officer time £ DDNZF AWRP and Seamer Carr £internal budget	Business case development to implementation
iii	Support delivery of the York and North Yorkshire Circular	Regional Economic Strategy	Partnership approaches with MCA	Taking a regional approach to circular economy oppourtunies	Community Development	Officer time £Beyond Carbon budget	Implementation
		Support communities and businesses to adopt circular economy	Procurement strategy refresh Economic Developmet Strategy SPF business and community grant programme.	No. circular economy actions	Environment	Officer time £DDNZF decarbonistion grant programme	monitor circular economy strategy implementation
d	Renewable Energy Transition						

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i	Plan for renewable energy generation	Local Area Energy Planning	Ensuring sound long term investment and maximising opportunities	LEAP for NY produced 'Bristol City LEAP' plan replication	Environment	Officer time £Xexternal funding secured	LAEP implementation vehicle
ii	Lobby for improved electrical grid capacity	NPG stakeholder panel and Gvt consultation responses Local project development	Improving grid capacity to enable offtake and renewable energy delivery	X No. grid improvements		Officer time £ Innovate UK Dalton Industrial Estate bid	Lessons learnt to scale up for other industrial sites
iii	Increase renewable and low carbon energy capacity at differing scales	Programme of renewable energy development and utilisation	Increase in renewable energy generation and storage SPF Business and Community decarbonisation grants programme Feasibility study into harbour based renewable energy and AWRP green energy production Support for schools sector to generation and utilise renewable energy	kwh renewable energy generation No. projects supported Feasibility study completed NYC energy useage	Environment / Resources	Officer time £ DDNZF Shore Power and AWRP/ Seamer Carr £SPF decarbonisation grant programme	Continue programme subject to continued Government Support and / or financial business case development
		NYC Electricity contract	proportion renewable energy	tC2e saved			for renewal
		District Heat Network and Geothermal Energy Opportunities	Feasibility studies and business case development	No. projects developed	Environment	Officer time £ DDNZF Potto District Heating £SPF decarbonisation grant programme	District Heat Network and Geothermal Energy Opportunities
iv	Support innovation in energy storage including battery storage and green hydrogen production	Energy from waste, such as Anaerobic Digestion opportunities	Feasibility studies and business case development	No. projects developed	Environment		Energy from waste, such as Anaerobic Digestion opportunities
		Green Hydrogen Opportunities	Regional green hydrogen supply and demand study by NE&YNZH Green hydrogen feasibility study at AWRP and Seamer Carr	Studies leading to business cases by 31.03.25	Environment Directorate	Officer time £ DDNZF AWRP/ Seamer Carr £SPF decarbonisation grant programme	Business case development and implementation
		Green skills training programme for careers leaders	Programme of skills development sessions	No. skills sessions. Careers advice programme	MCA	£SPF	subject to continued Government Support and / or financial business case
e	Agricultural emissions						
i	calculate and reduce their emissions and increase the carbon storage capacity of their land through partnerships such as protected landscapes and Grow	NYC Farm Estate	Study to review the potential contribution to NYC Climate Change Strategy from the farm estate	Report leading to policy development	Resources	Officer time £Beyond Carbon funding secured	Business case development and implementation
		SPF Farm Sustainability Programme	16 farm audits in the pilot programme	No. Farm decarbonisation audits	MCA	£SPFexternal funding secured	40 farms enabled to full programme
		Protected Landscapes farm programme	Grant programme and advice for sustainable farming practices	No. grants tCO2e saved	Environment	Officer time £xExternal funding secured	Continue programme subject to continued Government Support
ii	Increase supporting / innovation efficiency of food production through low carbon technologies	Regional Economic Strategy - agritech	Regional policy to support low carbon food production	Policy development	MCA	Officer time	Strategy review
		NYC Procurement	Provision of metrics for food procurement	Strategy refresh	Resources	Officer time	Ongoing monitoring

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iii	Support local food supply chain initiatives such as reducing food miles, and improved quality to encourage sustainable diets.	North Yorkshire Food Strategy	North Yorkshire Food Strategy developed by 30.06.23 Incorporates 'ground to fork' food chain activities.	Strategy in place	Health and Adult Services	Officer time	Strategy review and implementation
		North Yorkshire Food Strategy - food production	Policy development to innovate throughout food supply chain at local and regional scales	Policy development	Health and Adult Services	Officer time	Strategy review and implementation
f	Capturing and storing carbon						
i	techniques to store carbon in the landscape such as regenerative agriculture, tree, hedgerow and soil management.	Protected Landscapes farm programme	Grant programme and advice for sustainable farming practices	No. grants tCO2e saved	Environment	Officer time £xExternal funding secured	Continue programme subject to continued Government Support
		NYC Farmed Estate	Woodland Accelerator - increased tree planting on public land	150ha to 2025	Environment	£xexternal funding secured	Continue programme subject to continued Government Support
		Low carbon skills development programme	Arboriculture skills development	No. skills sessions	MCA	£SPFexternal funding secured	subject to continued Government Support
ii	capacity, through the number of trees and hedgerows planted and protected and ensure North Yorkshire has the skilled workforce to manage the increased treescape. There is also potential to develop kelp forests in the marine	Increased tree planting on public land	Woodland Accelerator programme Increased tree planting on public open space	No Ha planted No. trees planted tCO2e sequestered	Environment	£xexternal funding secured	Continue programme subject to continued Government Support
		Protected Landscapes farm programme	Grant programme and advice for sustainable farming practices	No. grants tCO2e saved	Environment	Officer time £xExternal funding secured	Continue programme subject to continued Government Support
		Yorkshire Coast Marine Partnership	Study to review potential of kelp to sequester carbon by 31.03.23	Policy development	East Riding Yorkshire Council	Officer time £ DDNZF secured	Review Yorkshire Coast Marine Partnership programme
iii	such as peatlands and mature trees, including carbon storage of 'fallen timber'	NYMNPA Peat restoration project	Prgramme of peat restoration to protect methane emissions	Ha peatland restoration	Yorkshire Peat Partnership	NYMNPA	Review Yorkshire Peat Partnership programme
iv	develop large scale carbon capture technology and projects around the Humber estuary and at our Energy from Waste plant	Investigate options to capture car	Options analysis and business	Business case development	Environment	Officer time £DDNZF external funding secured	Business case implementation