

# **Environment and Sustainable Communities Overview and Scrutiny Committee**



**13 November 2017**

## **Climate Change Strategy and Delivery Plan**

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### **Joint Report of Lorraine O'Donnell, Director of Transformation and Partnerships and Ian Thompson, Corporate Director of Regeneration and Local Services**

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#### **Purpose of the Report**

1. To Provide the Environment and Sustainable Communities Overview and Scrutiny Committee with detail of progress made in relation to the County Durham Climate Change Strategy and Delivery Plan.

#### **Background**

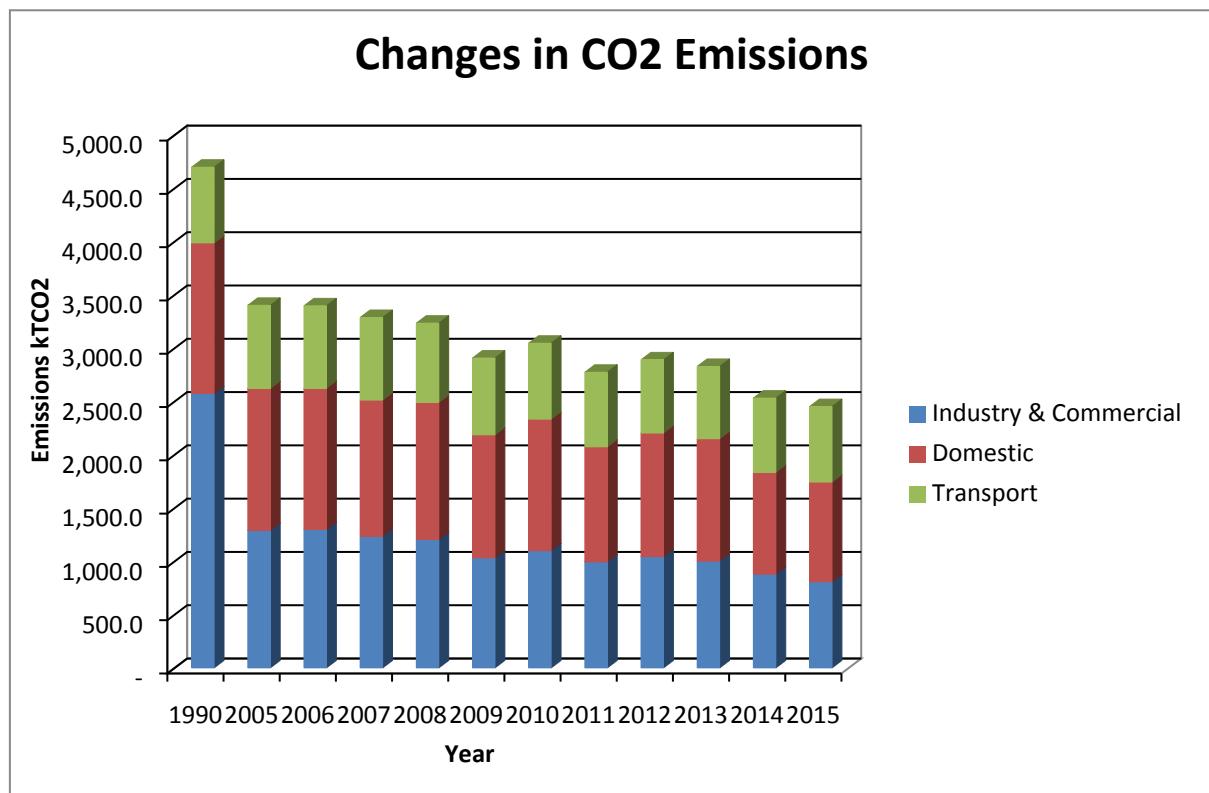
2. The Environment and Sustainable Communities Overview and Scrutiny Committee have received regular updates on the Climate Change Strategy and Delivery Plan since 2012 via presentations.
3. The Climate Change Strategy and Delivery Plan were approved by Cabinet on the 15 July 2015. The report specifically highlighted the role that the Environment and Sustainable Communities Overview and Scrutiny Committee had played and recommended:  
‘That Cabinet continues to support the Environment and Sustainable Communities Overview and Scrutiny Committee’s role in monitoring progress.’
4. At the meeting of the committee held on 9 November 2015 the Environment and Sustainable Communities Overview and Scrutiny Committee received a report detailing the progress of the Climate Change Strategy and Delivery Plan. It was agreed by members of the Committee to receive further updates including the progress made in obtaining EU funding.
5. The last progress report was provided to the Environment and Sustainable Communities Overview and Scrutiny Committee on the 24 January, 2017 and arrangements have been made for Maggie Bosanquet, Low Carbon Economy Team Leader to attend the meeting on the 13 November 2017 to deliver a presentation covering:
  - Current progress towards CO2 emission reduction targets and other Performance Indicators

- Status of European Funding

## Current Position

- In order to comply with Government guidance, the Climate Change Strategy has now been made an essential requirement for consideration by any project that bids for European Regional Development low carbon funding (ERDF) money in County Durham, which is very helpful.
- In 2015 County Durham emitted 2451.5 tonnes of CO<sub>2</sub>, an 80t decrease from the previous year and an overall 49% (per capita) reduction since 1990. The reduction in emissions (from 2014 to 2015) comes mainly from industrial, commercial and domestic emissions, although there has been an increase in emissions from transport over the previous three years. The likely causes include increased energy efficiency (including national decarbonisation of the electricity grid), and slightly higher annual temperatures for the North East.

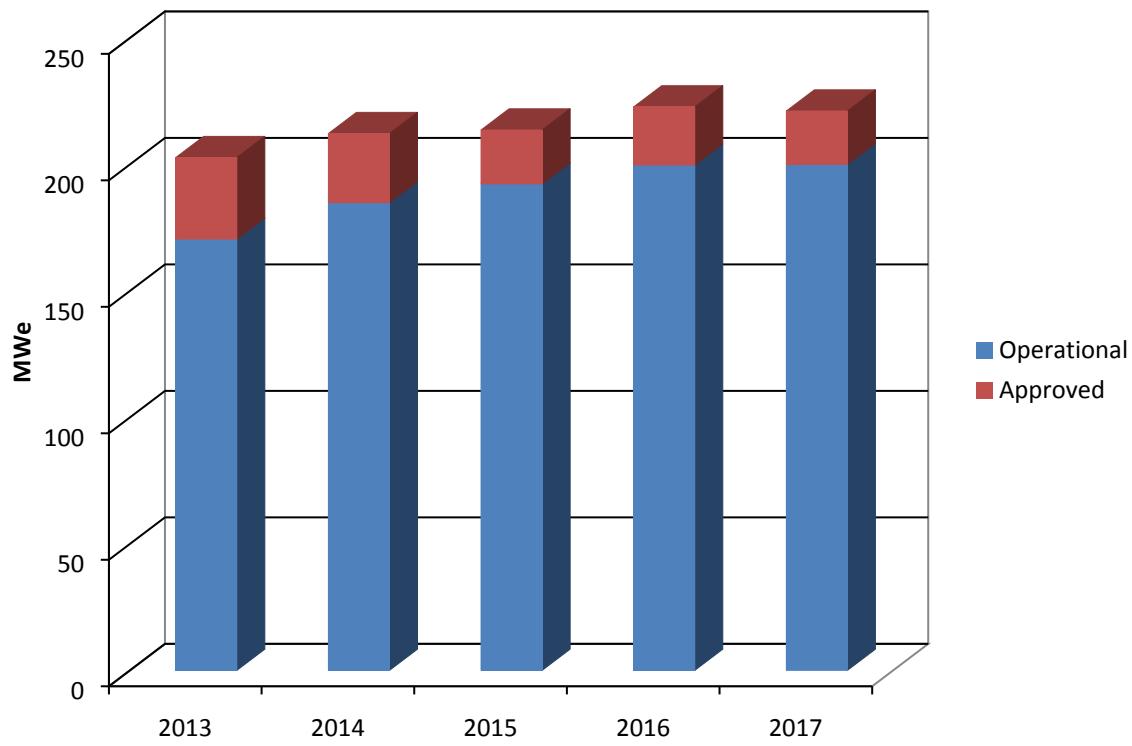
Graph 1:-



- The following graphs show that across County Durham renewable electricity generation has increased by about 15% in the past 4 years, with the total amount of operational renewable energy capacity at 200MW (graph 2). Adding in approved capacity takes it to 221MW.

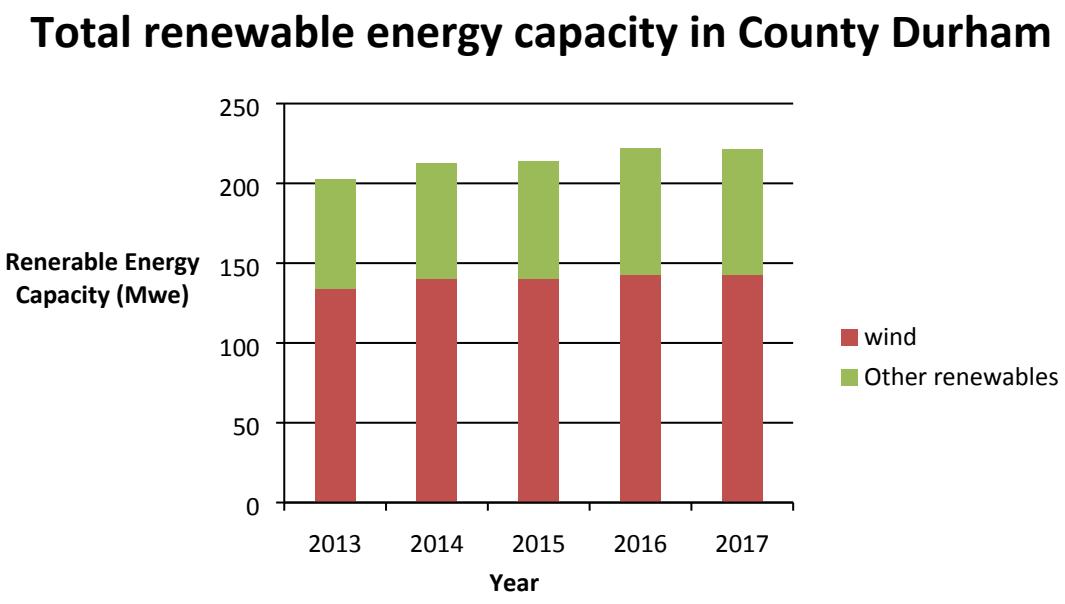
Graph 2:

## Total Renewable Energy Capacity in Co Durham



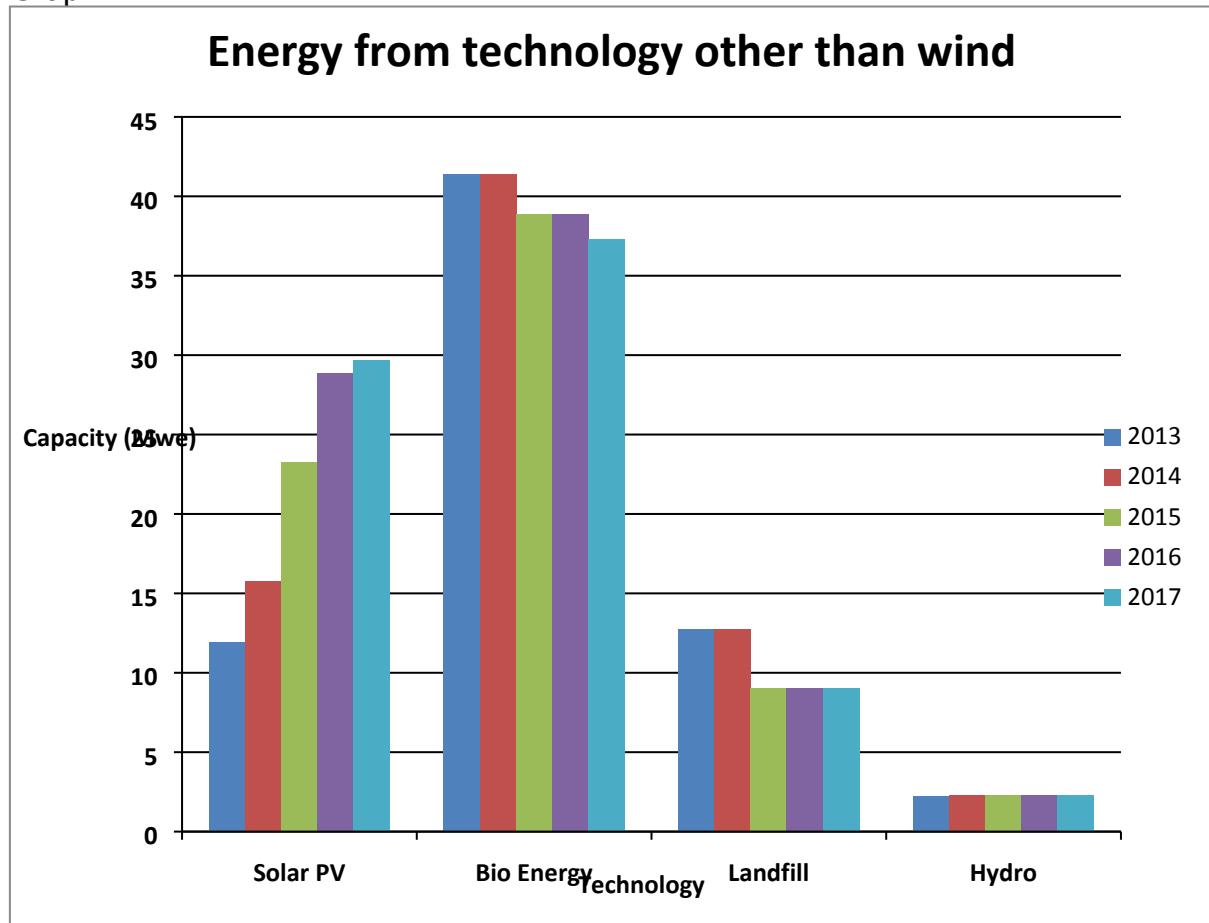
9. Wind continues to provide the majority of renewable energy capacity as can be seen by graph 3 below, however there has been no new approved wind applications in County Durham since 2016 as a consequence of changes to planning guidance:

Graph 3:



10. Solar PV has seen the largest growth out of all sectors since 2013, with 29.5MW now installed on homes, community centres and businesses in the County.

Graph 4:



11. There continues to be uncertainty in the sector with fewer installations of solar panels in 2016/17, and no new wind turbine applications following the 'Written Ministerial Statement' in June 2015<sup>1</sup> and continued reduction in 'Feed in Tariff' rates.

12. The Climate Change Delivery Plan is a live document designed to monitor delivery of the Climate Change Strategy/Policy and to prioritise key actions. The County Durham Climate Change Partnership, chaired by John Reed, has taken a lead role in driving forward Delivery Plan progress by means of a 'Priority Actions 2015-17' document.
13. The Priority Actions document is attached as Appendix 2 and shows the breadth of progress to date. Some of the latest developments are highlighted in the following paragraphs.
14. **Schools:** 241 or 90% of County Durham schools are supported by the Schools Carbon Reduction Programme which engages pupils, teachers and support staff

<sup>1</sup> <http://www.parliament.uk/documents/commons-vote-office/June%202015/18%20June/1-DCLG-Planning.pdf>

in reducing energy costs and carbon emissions through lesson plans, behavioural change and energy monitoring. Different options are being considered to enable schools to undertake energy efficiency retrofits on their buildings.

**15. Transport:** Sustainable Travel have been working on a three year work programme. This year's work is underway and some designs are in preparation for works next year. These are capital improvement schemes on the walking and cycling networks, including cycle super routes such as the Great North Cycleway, funded through the Local Transport Plan. Schemes are predominantly in town areas to enable local journeys to be made on foot or by cycle. Other achievements include:

- The Cycling *Strategic Delivery Plan* - aiming to go to public consultation early 2018 and published by mid-2018.
- Produced 2 new Town cycling maps and guides for Chester le Street and Durham City.
- Installed 282 cycle stands across the county since 2016 through the ParkThatBike Scheme.
- Unicycle project – a partnership project coordinated by DCC to promote walking and cycling opportunities for students in Durham City. Project includes free locks and lights with every bike purchased from Recyke Y' Bike, series of guided walks and rides, information on routes and a post-Lumiere celebration event.

**16. Communities:** Schools are engaged through OASES, whilst specific communities at risk of flooding continue to be supported through the CCU, with emergency plans. EA are continuing to undertake natural flood management in a variety of areas including upper Weardale. The waste team are continuing to deliver food waste promotions, targeting zero waste in partnership with a range of community groups across the County.

**17. EU Funding:** The BEEP project is currently working with over 45 County Durham business' to provide them with free energy advice. The project has also approved one business a grant of £9,808.00 towards energy efficient equipment and installation. In Q2 2017 the Projects website was launched alongside social media (LinkedIn and Twitter) support to boost promotion and digital footfall towards the Project.

18. Now in its second year, the LOCARBO project has identified Good Practices from other European partners and is in the process of selecting the most appropriate for exchange. One such practice that has close links with energy saving measures with SME's from Hungary is being 'showcased' by the ERDF funded BEEP project in November to demonstrate its success in business engagement.

19. The parallel focussed REBUS project that is supporting energy saving practices in community buildings, has also completed its assessment of Good Practices

and is now working with its Stakeholder group to develop an Energy Renovation Pathway and future Action Plan.

20. **Climate Adaptation:** The Civil Contingencies Unit (CCU) is leading on a wide range of initiatives to tackle flooding and adaptation to climate change, including school visits and advice to caravan sites situated in flood risk areas. A flood awareness video is also being created and an arts project entitled Rainworks is being delivered in partnership with young people in Woolsingham.
21. **District heating:** Feasibility Studies have been completed to examine the potential for district heating in Durham City. Two schemes, one in the City Centre, around the Milburngate redevelopment and one around the University have been completed in detail, both of which are potentially viable schemes. Further work will be done to examine how/if this can be taken forward.
22. Making Low Carbon Economic development a key priority for the Council, developing partnerships with key stakeholders. The new MOU with Durham University includes Energy as an area of joint interest and we now have a place on the Durham Energy Institute Advisory Board. We are holding discussions with Northern PowerGrid, Northern Gas Networks, the North East LEP and Northumbrian Water. We are also developing a close working relationship with the Centre for Energy Systems integration (CESI).
23. **Minewater:** Developing relationships with the Coal Authority and Durham University to explore opportunities to exploit the heat contained within minewater

### **Recommendations**

24. Members of the Environment and Sustainable Communities Overview and Scrutiny Committee are requested to note the content of the report and provide comment accordingly.
25. That the members of the committee receive a further progress report on the Strategy and delivery plan at a future meeting.

### **Background Papers**

The Cabinet report and Climate Change Strategy/Policy and Delivery Plan are available from the Cabinet meeting pages:

<http://democracy.durham.gov.uk/ieListDocuments.aspx?CId=154&MId=8225&Ver=4>

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## **APPENDIX 1 - Implications**

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**Finance** – None directly, but the Delivery Plan aims to deliver projects that would help to reduce energy costs for County Durham communities. European bids may require match funding but would bring in considerable money to the authority.

**Staffing** - None

**Risk** – The Strategy highlights the risks of a changing climate to County Durham

**Equality and Diversity/Public Sector Equality Duty** - None

**Accommodation** - None

**Crime and Disorder** - None

**Human Rights** - None

**Consultation** – None

**Procurement** - None

**Disability Issues** – None

**Legal Implications** - None

## Actions in years 2015-17

In 2016 and 2017 the Climate Change Steering Group and Durham County Council will be aiming to make significant progress on the following actions from the plan:

Action	Project	Main themes affected	Detailed action	Project Owner	Progress to date	Next steps
Demonstrate political commitment		Public Sector Performance	Obtain widespread commitment from partners and key organisations	Climate Change Strategy Group	<p>The actions from the Climate Change Strategy Group are continually reviewed and updates on projects are provided to the Environment Partnership Board along with the Environment &amp; Scrutiny Committee on an ongoing basis.</p> <p>The Climate Change Strategy and Delivery Plan have been adopted by DCC corporately and are planned to be incorporated into Durham University's Environmental Sustainability Policy.</p>	To continue to provide updates and seek support from all partners involved in the Climate Change Group as well as from the Environment Partnership Board and the Environment & Scrutiny Committee.
Identify and implement means of finance to	European Rural Development Fund (ERDF)/ (European	all	Work in partnership to develop bids for European	Climate Change Group	Funding bids have been successful. (Summaries will be included below including dates,	A bid was been submitted for a 100% funded Horizon 2020 project

Action	Project	Main themes affected	Detailed action	Project Owner	Progress to date	Next steps
Actively support climate change action	Social Fund (ESF)		funding for climate change projects		<p>amount, source and outputs).</p> <p>Business Energy Efficiency Project (BEEP) - 41 Businesses supported over the course of the programme thus far. 1 SME received grant Support</p> <p>LoCarbo - Now in its second year, the LOCARBO project has identified Good Practices from other European partners and is in the process of selecting the most appropriate for exchange. One such practice that has close links with energy saving measures with SME's from Hungary is being 'showcased' by the ERDF funded BEEP project in November to demonstrate its success in business engagement.</p> <p>REBUS - The parallel focussed REBUS project that is supporting energy saving practices in community buildings, has also completed its assessment of Good Practices and is now working with its Stakeholder group to develop an</p>	<p>called ENTICE. Unfortunately this failed to go through to the next stage for support.</p> <p>A bid called EPCopt, submitted by Assets aims at addressing mobilising &amp; improving policy measures that can be implemented in different regions to mitigate a no. of obstacles encountered in the implementation of the Energy Performance of Buildings Directive 2010/31/EU with the purpose of enhancing &amp; optimising the use of EPCs in buildings.</p>

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					<p>Energy Renovation Pathway and future Action Plan.</p> <p>The two projects have a combined value of approximately £300,000 (depending on exchange rates) for County Durham.</p>	
Reduce the carbon emissions from County Durham	Develop and deliver carbon management plans	Public sector performance, Built Environment, Transport and Infrastructure		Low Carbon Economy Team	<p>Based on 1990 levels the County has reduced its carbon emissions by 49% (2015). This has surpassed the target of a 40% reduction by 2020.</p> <p>Continued grid decarbonisation has been a key factor in this reduction, as well as improvements in the industrial and commercial sectors (although some could be related to decreased output). Transport emissions has seen a small increase.</p>	To continue to carry our projects and initiatives in line with further carbon emission reductions.
	Deliver climate change work in schools	Various	Continue the Eco-Schools and Schools Carbon Reduction Officers	Rich Hurst	241 or 90% of County Durham schools are supported by the Schools Carbon Reduction Programme which engages pupils, teachers and support staff in reducing energy costs	The same framework contract as for DCC buildings is being explored, to deliver Energy Performance

Action	Project	Main themes affected	Detailed action	Project Owner	Progress to date	Next steps
			programmes. Ensure schools have the information they need to manage their emissions		and carbon emissions through lesson plans, behavioural change and energy monitoring.  <b>CCU:</b> 40 school visits in 2015/16. Additional work carried out in a primary school in Darlington regarding flooding and rainworks.	Contracting for schools but there are still issues to be addressed around financial risk, especially regarding academisation.  <b>CCU:</b> 22 schools booked in through Junior ED for September-December 2016. Work with rapid response flood area schools to develop rainworks for community.
	Establish baseline data with local and national data.	Public sector performance,		Low Carbon Economy Team	DCC has accurate data publically available on its website	Establish links to web pages owned by partners
Promote a low carbon economy	Support new Technological innovation in fields related to climate change	Low Carbon Economy	Prepare ERDF bids	DCC Low Carbon Economy Team	BEEP successful in 2016. Other bids have been prepared, internal and external but all have failed compliance checks. Preparing new bid for whole building retrofit	Continue to support new project bids

Action	Project	Main themes affected	Detailed action	Project Owner	Progress to date	Next steps
	mitigation and adaptation				project, following release of new guidance.	
Support local businesses to become more energy efficient and install renewable energy	Develop an ERDF project to promote business energy efficiency	Low Carbon Economy		DCC Low Carbon Economy Team	<p>EU funding has now been agreed for an £889,811 Business Energy Efficiency Project (BEEP) for County Durham, to start 1<sup>st</sup> October 2016 and run until 30<sup>th</sup> September 2019.</p> <p>Work ongoing with 41 SME's already supported since project inception</p>	<p>Continue to work with businesses through grant support mechanisms.</p> <p>Support the roll out of a regional bid.</p>
Promote a sustainable and resilient food supply chain	Implement the Sustainable Local Food Strategy for County Durham	Low Carbon Economy		Liz Charles	<p>The County Durham Food Partnership has delivered a number of projects in the past year:</p> <p>Community growing projects across the County have been established. Over 500 individuals in 55 groups have participated in schemes to develop community fruit and vegetable patches, providing healthy, sustainable food across Durham.</p> <p>The County Durham Food Hub</p>	

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					<p>aims to deliver an efficient supply chain for local food producers to connect them with local businesses and buyers for their products. By acting as a central hub, sales can be increased whilst delivery costs and emissions are kept to a minimum.</p> <p>The group has been working with DCC and community groups to deliver waste food reduction events and programmes.</p>	
Promote Sustainable Businesses	Deliver the County Durham Environment awards	All		Steve Bhowmick	<p>The County Durham Environment Awards launched for its 28<sup>th</sup> year in June 2017. The launch this year included a soft press launch and information being sent out to various organisations across the region, town and parish councils, DCC members, DCC departments and any other interested parties. So far entries have been coming in steadily with some interesting schemes already received which means this year is set to be as successful as ever.</p>	<p>Judging has commenced and the awards ceremony will take place in November</p> <p>To continue the awards in 2018.</p>

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Use the planning system to promote energy efficiency low carbon community which is resilient to the impacts of climate change	Embed relevant policies within the County Durham Plan	Built Environment		DCC Planning via Low Carbon Economy Team	County Durham Plan will be going to Preferred Options in Spring. This will include policies on climate change and sustainable development. Spatial Policy are developing the policy currently, it will then be Sustainability Appraised by the Low carbon economy team.	-
Conserve and improve natural areas with a high embodied carbon	North Pennines AONB Partnership's Peatland Programme	Natural Environment	AONB Partnership to continue delivering actions to conserve and enhance peatlands through grip-blocking, bare/eroding peat	North Pennines AONB Partnership	The North Pennines AONB Partnership is a national leader in upland peatland restoration and has continued its work on grip blocking and bare peat restoration this year. In collaboration with partners in Yorkshire and Lancashire, the AONB team has secured 6.2million euros from the EU LIFE programme to expand this restoration work A further £280,000 has been secured from the Esmee	Continue restoration, raising funds and developing new financing mechanisms through the delivery of major projects

Action	Project	Main themes affected	Detailed action	Project Owner	Progress to date	Next steps
			restoration and monitoring work		<p>Fairbairn Foundation and the team is a partner in a bid to Defra worth c£500,000 locally. The team is engaged in a INTERREG submission called Carbon Connects in which it will restore peatlands and develop a sphagnum nursery (the latter in partnership with Wear Rivers Trust). Through the Northern Upland Chain LNP, the AONB team has led on the creation of a natural capital valuation for peatland and its restoration in the Pennine uplands. The LIFE project will aim to support further development of the IUCN UK Peatland Code and other work to develop new financing mechanisms.</p> <p>Contact: Paul Leadbitter North Pennines AONB Partnership</p>	
Promote biodiversity, greenspaces and green infrastructure	Work with the Coastal, Heritage and Landscape Partnership to	Natural Environment		TD to liaise with Coastal, Heritage and	The Land of oak and Iron Landscape Partnership is enhancing habitats and ecological connectivity along the corridor of the River Derwent and wider	Continue these projects.

Action	Project	Main themes affected	Detailed action	Project Owner	Progress to date	Next steps
that helps the area adapt to climate change	protect the natural environment from climate change			Landscape Group and Local Nature Partnership	<p>catchment.</p> <p>The Bright Water landscape partnership is now in development and is seeking to deliver significant habitat restoration and enhanced ecological connectivity along the corridor of the River Skerne and wider catchment.</p>	
	Promote the use of SuDS (Sustainable Drainage Systems) and other measures of flood resilience	Built Environment, Natural Environment		John Reed	<p>Guidance on SUDS has been published and an innovative funding mechanism has been developed all of which is detailed on the website</p> <p><a href="http://www.durham.gov.uk/article/7363/Sustainable-drainage-systems">http://www.durham.gov.uk/article/7363/Sustainable-drainage-systems</a></p>	This is part of the planning process and will continue to be promoted.
Work towards a low carbon transport system	Promote the use of low carbon vehicles and transport	Transport and Infrastructure		Ian Jopling	Development of NECA bid for funding from the Access Fund for an ongoing programme of activities under the 'Go Smarter' banner, to build on the success of these previous programmes as well as further developing activities that promoted better access to employment and training and to further reinforce the link between	Whilst grant funding for Go Smarter project delivery ended on 31 <sup>st</sup> March 2017, a legacy for Go Smarter will be maintained with the brand used as an umbrella for ongoing sustainable transport

Action	Project	Main themes affected	Detailed action	Project Owner	Progress to date	Next steps
					<p>active travel and public health. This bid was unsuccessful.</p> <p>However, Durham County Council was successful in a second bid to the Access Fund to continue the Living Streets 'Walk To' project to work with businesses and schools to support economic, health and environmental development in targeted areas through active travel.</p> <p>Funding has been secured to continue the Go Smarter Business Network until 31<sup>st</sup> March 2018.</p>	<p>projects funded by other sources where available. This includes continuation of the Go Smarter Business Network, Workplace Accreditation Awards, County Durham Wheels to Work and Bikeability cycle training.</p> <p>The Living Streets 'Walk To' project will</p> <ul style="list-style-type: none"> <li>• Identify changes to the physical environment that benefit walking and cycling</li> <li>• Promote walking and cycling in schools, education settings and workplaces</li> </ul>

Action	Project	Main themes affected	Detailed action	Project Owner	Progress to date	Next steps
						<ul style="list-style-type: none"> <li>Provide support in education settings and workplaces to sustain walking and cycling activities beyond the life of the funding.</li> </ul> <p>Funding for the delivery of a package measures to facilitate and promote sustainable and active travel to be secured following the adoption of the Durham City Sustainable Transport Strategy in 2018. Go Smarter Business Network to be reviewed before decision whether to continue on existing or revised basis.</p>

Action	Project	Main themes affected	Detailed action	Project Owner	Progress to date	Next steps
	Develop the necessary infrastructure to enable low carbon transport	Transport and Infrastructure, Built Environment		Ian Jopling	<p>An audit and review of the usability of the existing cycle route network is now well underway and nearing completion. This work will inform the wider cycle network planning process and identified improvements to be delivered through the Local Transport Plan and via other capital funding opportunities.</p> <p>These improvements will be articulated in the Local Cycling and Walking Infrastructure Plans (LCWIPs) – See next steps for more information.</p> <p>The national Cycling, Walking and Infrastructure Strategy sets out the need for local authorities to produce Local Cycling and Walking Infrastructure Plans (LCWIPs). They are a new strategic way of identifying cycling and walking improvements at a local level. DfT state that having LCWIPs</p>	<p>DCC are aiming to have an LCWIP in place that will cover 3 main towns along the A167 corridor, namely, Newton Aycliffe, Durham City and Chester-le-Street.</p> <p>The key outputs of LCWIPs are;</p> <ol style="list-style-type: none"> <li>1. Network Plans for walking and cycling</li> <li>2. A prioritised programme of infrastructure improvements for future investment</li> <li>3. A report which sets out the underlying analysis carried out and</li> </ol>

Action	Project	Main themes affected	Detailed action	Project Owner	Progress to date	Next steps
					will better place authorities when making the case for future investment.	<p>provides a narrative which supports the identified improvements.</p> <p>The LCWIP should be in place to inform the preferred options of the County Durham Plan in May 2018.</p>
Raise awareness and knowledge of sustainable transport	Deliver various campaigns targeting different sectors- commuting, school, business etc.	Transport and Infrastructure		Ian Jopling	NECA bid for funding from the Access Fund for an ongoing programme of activities under the 'Go Smarter' banner, to build on the success of these previous programmes as well as further developing activities that promoted better access to employment and training and to further reinforce the link between active travel and public health. This bid was	Legacy activity for the GO Smarter programme has been finalised. The Go Smarter brand will continue. A Core Team based within the Regional Transport Team have already identified some legacy projects

Action	Project	Main themes affected	Detailed action	Project Owner	Progress to date	Next steps
					<p>unsuccessful.</p> <p>However, Durham County Council was successful in securing additional funding through a consortium led by Blackpool Council for the 'Walk To' project, working with voluntary sector organisation Living Streets.</p> <p>However, Durham County Council was successful in securing additional funding through a consortium led by Blackpool Council for the 'Walk To' project, working with voluntary sector organisation Living Streets.</p>	<p>including the schools projects that are being funded by other sources. The website and brand and business engagement will also continue to run albeit with a much smaller budget.</p> <p>Durham County Council will work with living street to deliver the 'Walk to' project.</p>
Work with local, regional and national interest groups to raise	Develop an ERDF project for community energy	Community Engagement, Low Carbon Business		DCC Low Carbon Economy Team with Groundwork	DCC Low Carbon Team works closely with Community Energy England and the regional and local Community energy organisations that seeks to support the community energy sector including	

Action	Project	Main themes affected	Detailed action	Project Owner	Progress to date	Next steps
awareness of, and mitigate and adapt to, climate change	SHOCFlood Project	Community Engagement, Education		North East Community Energy OASES  Education Development Service and	<p>the delivery of community renewables, energy efficiency demand reduction and energy supply projects.</p> <p>The Climate Challenge in partnership with Thorn worked with 2 groups of students from Wolsingham School to develop energy saving product ideas judged by staff from Thorn and DCC. The students also received a tour of the Spennymoor Factory and some prizes.</p> <p>The ClimArt Project worked with 6 secondary schools (Seaham High; Parkside; Wolsingham; Bishop Barrington, King James and Polam Hall, Darlington) to develop artistic designs related to flooding and climate change. They worked with artists from Bearpark Artists Cooperative to develop the designs and OASES staff to learn about climate issues and potential impacts. All designs were installed</p>	<p>Two climate related projects are running in Autumn 2016. A Climate challenge with Thorn Lighting and an arts project called Climart with the CCU.</p>

Action	Project	Main themes affected	Detailed action	Project Owner	Progress to date	Next steps
	Climate Change Education	Various		OASES	<p>in prominent community locations and show up when they get wet. Funded by CCU and DCC Sustainability fund.</p> <p>Durham University raises awareness of climate change via 'Greenspace' – the University's Environment Team. A full annual schedule of campaigns is produced every year and specific events / contests etc are promoted to all staff and students at the University.</p>	<p>Durham University will continue to engage staff and students in environmental awareness campaigns and activities.</p>
&	Develop and deliver resilience seminars for areas at risk	Community Engagement, Built Environment		Su Jordan	<p><b>CCU:</b> 6 complete community emergency plans.</p> <p>Drop-in information sessions were held at Environment Agency rapid response areas for community members to find out more information about past and future flooding in their area.</p> <p>12 caravan site visits (those identified as being in a flood risk</p>	<p>A further 13 caravan sites (those identified as being in a flood risk area) to be contacted and information given either through a visit or by email.</p> <p>A further 10 school visits booked in</p>

Action	Project	Main themes affected	Detailed action	Project Owner	Progress to date	Next steps
					<p>area) have been completed in August/September 2016. Information was given on importance of resilience especially with increasing extreme weather events.</p> <p>33 school visits were completed during 16/17. 17 school visits completed to date in 17/18.</p> <p>EA are undertaking natural flood management and a bid for Government funding for Upper Weardale is to be submitted; GW is to include information in the next steps column.</p>	<p>before Christmas 2017.</p> <p>205 young people signed up to date for the Community Safety Award 17/18. Exercise Levantine 2 to take place in September 2018.</p>
	Support community groups wishing to increase their resilience	Community Engagement		Su Jordan	<p>Two workbooks have been produced for young people in uniformed groups to help them to gain skills on how to build local community resilience to severe weather such as flooding. One workbook is for ten to thirteen year old students and the other is for fourteen to eighteen year olds.</p> <p>During September this year,</p>	

Action	Project	Main themes affected	Detailed action	Project Owner	Progress to date	Next steps
					<p>students from Wolsingham School will be working with professional artists to install their own waterproof designs on the pavement at Wolsingham Market Place, which will show up in wet weather. They will be joining secondary school students from Willington Parkside Academy, King James 1 Academy and Bishop Barrington in Bishop Auckland and Seaham High School in this innovative art project which is designed to raise awareness of climate change and the impact it has on communities</p>	
Work across Europe to develop international programmes that share best practice	Ensure the findings from the LOWCARBO and REBUS projects are shared and developed across Durham	Impacts Beyond our Boundaries, Community Engagement,		DCC Low Carbon Economy Team with Durham Energy Institute	The learning from the LOCARBO and REBUS projects, which remain ongoing have highlighted key examples of good practice which members are learning from.	Ensure learning is disseminated across partners