

ANGUS COUNCIL

STRATEGIC POLICY COMMITTEE – 11 JUNE 2013

CLIMATE CHANGE STRATEGY FIRST ANNUAL REPORT

REPORT BY STRATEGIC DIRECTOR - COMMUNITIES

ABSTRACT

This report outlines progress made on actions within the Council's Climate Change Strategy and Action Plan 2012-2016 which was approved by Strategic Policy Committee in December 2011 (report 823/11 refers).

1. RECOMMENDATION(S)

It is recommended that the Committee:

- (i) approve the contents of this report in accordance with the Climate Change (Scotland) Act 2009,
- (ii) agree the report for submission to the Sustainable Scotland Network, and note the progress departments have made in implementing the Council's Climate Change Strategy and Action Plan.

2. BACKGROUND

2.1 As previously stated the Climate Change Strategy and Action Plan 2012-2016 was approved by Strategic Policy Committee in December 2011 (report 823/11 refers). The strategy and action plan was developed in response to the Climate Change Scotland Act (2009). All public bodies within the definition of the Act are required to comply with the climate change duties and are encouraged to take a broad approach when complying with the duties and include all direct, indirect and influenced emissions. Climate change action should address (the three aspects of the duty) mitigation, adaptation and acting sustainably and be embedded across all departments via corporate planning.

2.2 The key objective of the Climate Change (Scotland) Act 2009 is to reduce Scotland's greenhouse gas emissions by at least 80% by 2050, covering carbon dioxide and five other greenhouse gases. Under the terms of the Act local authorities are considered "major players" and must in exercising its functions, act:

- in the way best calculated to contribute to the delivery of the targets set in or under Part 1 of the Act;
- in the way best calculated to help deliver any programme laid before the Scottish Parliament under section 53;
- in a way that it considers most sustainable.

3. CURRENT POSITION

The attached action plan (**Appendix I**) contains progress against each action in strategy and (where appropriate/available) evaluates the carbon dioxide equivalent (CO₂e) saved by implementing that action.

4. RISKS

This report does not require any specific risk issues to be addressed.

5. FINANCIAL IMPLICATIONS

There are no financial implications associated with the terms of this report. Actions in the Climate Change Strategy are planned projects which will be funded from within financial resources available to the relevant department.

6. HUMAN RIGHTS IMPLICATIONS

There are no Human Rights implications arising from this report.

7. EQUALITIES IMPLICATIONS

The issues contained in the report fall within an approved category that has been confirmed as exempt from an [equalities](#) perspective.

8. ANGUS COMMUNITY PLAN AND SINGLE OUTCOME AGREEMENT

This report contributes to the following local outcome(s) contained within the Angus Community Plan and Single Outcome Agreement 2011-2014:

- Our carbon footprint is reduced.

9. STRATEGIC ENVIRONMENTAL ASSESSMENT

On consideration of the Climate Change Strategy and Action Plan the Climate Change Strategy Working Group concluded that this Strategy is likely to have no or minimal environmental effects and have notified the SEA Gateway accordingly, as required by the Environmental Assessment (Scotland) Act 2005. This notification was published by the SEA Gateway on the Public Register.

10. CONSULTATION

The Chief Executive, Strategic Director - Resources, Head of Finance, Head of Law & Administration and the Head of Property have been consulted in the preparation of this report.

12. CONCLUSION

This report forms the baseline year for reporting climate change action in Angus. Much progress has been made in the last year in implementing the strategy as outlined in the report. However, the council needs to make continual reductions in its greenhouse gas emissions year on year in an effort to meet the Scottish Government's emissions targets.

ALAN MCKEOWN
STRATEGIC DIRECTOR - COMMUNITIES

NOTE: No background papers, as detailed by Section 50D of the Local Government (Scotland) Act 1973 (other than any containing confidential or exempt information) were relied on to a material extent in preparing the above report.

P&T/GWC/RManson/PP/IAL
9 May 2013

APPENDIX 1: ACTION PLAN

CLIMATE CHANGE STRATEGY & ACTION PLAN – 2013 ANNUAL UPDATE

Ref No	Action	Lead Dept/Service	Timeline	Annual Emissions Reduction (tonnes CO2)	Progress
Health& Wellbeing					
Main Objective: <i>To improve the health and wellbeing of the population in Angus and planning for the impacts of climate change on human health.</i>					
H&W. 1	Angus Council will work closely with partner organisations to promote the use of paths to improve the health of communities.	Neighbourhood Services	Ongoing	Non Quantifiable.	Ongoing.
H&W. 2	Carry out an audit of existing access provision provided by Angus Council, and implement changes to ensure compliance with the Disability Discrimination Act 1995.	Neighbourhood Services	2012	Non Quantifiable.	All Access offices comply with the Disability Discrimination Act 1995 thus making access to services easier for disabled people and reducing their need to travel.
H&W.3	Angus Council will continue to promote the benefits of active and sustainable modes of travel.	Infrastructure Services	Ongoing	130	<ul style="list-style-type: none"> • Angus Liftshare regularly promoted to staff & public – 440 members as @ 31/3/13 – estimated saving of 130 tonnes over the year. • Four new bicycles replaced the old bikes in the staff cycle pool. • 41 members of staff joined the Cycle to Work Scheme in April/May 2012 • Participation in annual events such as Bike Week. • Commuter cycling training offered to staff in 2012. • Traveline Scotland available on the Council's website. • Over 85% of bus stops in Angus now have printed timetable displays; this figure includes stops near Council buildings
H&W.4	Angus Council will promote the benefits of locally sourced food thereby reducing impacts on Climate Change through reduced food miles, less packaging and less GHG emissions whilst providing health and wellbeing benefits in terms of jobs and the provision of better quality ingredients by sourcing fresher, seasonal and unprocessed produce.	Chief Executive's (Community Planning) Economic Development		Non quantifiable.	<p>The following initiatives have been delivered over 2012/13.</p> <ul style="list-style-type: none"> • A Taste of Angus Food Festival, September 12. • The Angus Breakfast film and local provenance workshop. • The Angus Larder booklet. • The Angus Producers' booklet 2012. • Continuing support for the Angus Farmers' Market, including branding, cookery demos and loyalty cards. • The online A Taste of Angus campaign, including Facebook page, e-newsletters and the Flavour of The Month promotion.
H&W.5	Angus Council will continue to work towards reducing fuel poverty, promoting	Housing	Ongoing		<ul style="list-style-type: none"> • £560,000 UHIS funding spent on insulation measures.

Ref No	Action	Lead Dept/Service	Timeline	Annual Emissions Reduction (tonnes CO2)	Progress
	home insulation and fuel efficient heating systems.				<ul style="list-style-type: none"> External insulation systems installed for 230 flats, both Council & Private Sector. Loft & Cavity wall insulation provided for approx. 700 houses & flats in private sector.
H&W.6	Angus Council will continue to provide access to good quality open space and natural environments to aid the well-being of its citizens and visitors to the area.	Neighbourhood Services Planning & Transport	Ongoing	Non Quantifiable.	Ongoing.
H&W.7	Angus Council will continue to adopt policies to promote well-designed housing for the future which will take into account the effects of climate change and encourages active lifestyles.	Planning & Transport Housing	Ongoing	Non Quantifiable.	Ongoing.
H&W.8	Angus Council will seek to secure the provision of affordable housing from housing developments on allocated sites, opportunity and windfall sites which will contribute towards meeting identified needs in each Housing Market Area.	Planning & Transport	Ongoing	Non quantifiable.	Ongoing implementation of Angus Council's Affordable Housing Policy in consultation with Housing Service.
H&W.9	Buildings and grounds associated with existing and proposed healthcare facilities throughout Angus will be reserved for healthcare use. Where sites become available for redevelopment, alternative uses, which are in line with the policies of the Local Plan, will be encouraged.	Planning & Transport	Ongoing	Non Quantifiable.	No change to general approach.
H&W.10	The promotion and development of sports clubs and activity groups throughout Angus.	Neighbourhood Services (Leisure Services)/ Education	2012	Non quantifiable.	Angus Council offer support to clubs and activity groups through many different channels including Angus Club Excellence (club accreditation), Community Sport Hubs, Coach Education, Community Grant Scheme, Scottish Governing Bodies, Tayside & Fife Regional Sports Partnership, sportscotland, etc
H&W.11	Actively promote physical opportunities and benefits in Angus.	Health Improvement Team	2012	Non quantifiable.	<ul style="list-style-type: none"> Health Improvement Team support for development of 'A 20/20 Vision for an Active Angus' Strategy. Physical activity opportunities promoted at all health fairs/public events.
H&W.12	Continue to expand the successful Angus Exercise Referral programme.	Health Improvement Team	2012	Non quantifiable.	<ul style="list-style-type: none"> The Refer 2 Exercise programme operates in Angus Council Sports & Leisure centres. The referral criteria have been expanded to include people with any long-term health condition Refer 2 Exercise is promoted throughout Angus including via the new 'Be Active...live well' booklet

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H&W.13	Continue to expand the successful Angus Walking Project with emphasis on more walks in more locations.	Health Improvement Team	2012	Non quantifiable.	Two new walking groups established in Letham and Montrose, 1 further group in pipeline for Kirriemuir.
H&W.14	Angus Walking Project will include people with mental health problems.	Health Improvement Team	2012	Non quantifiable.	Recently established Montrose walking group has trained walkleaders from SAMH and is open to local SAMH service users. Membership of various other walking groups across Angus includes people with mental health problems.
Education & Awareness					
Main Objective: <i>To raise awareness of climate change issues in Angus so individuals can take local action to mitigate and adapt to the impacts of a changing climate.</i>					
E&A.1	Undertake a promotional campaign on waste minimisation and increased recycling by council staff.	Neighbourhood Services	Apr 2011		Waste weights and waste analysis carried out again in 2013 for comparison.
E&A.2	Encourage workforce involvement in the identification of opportunities and the implementation of actions.	Property	2011-16	Non Quantifiable	EARS – Carbon/Energy Champions for each Dept.
E&A.3	Lead by example and raise the environmental profile of the Council locally to encourage our partners and the community to make changes to reduce carbon emissions.	Property	2011-16	Non Quantifiable	Press releases and news on the Council's website of projects undertaken.
E&A.4	Promote the 'Heatseekers' project which uses thermal imaging technology to identify homes that may benefit from improved insulation.	Housing	2012		Completed.
E&A.5	Continue to promote the Eco Schools programme in Angus Schools.	Education	Ongoing	Non quantifiable.	61 schools registered. 30 have Green Flag Award (2 of which gained their first Green Flag this year & 8 had their Green Flag renewed). 49.2% of registered schools in Angus have been awarded GF status – compared to 46.8% nationally. There have been two network meetings this year to encourage schools, share ideas and update on any national developments. An Eco Schools Assessor gave a talk which may encourage more "new" green flags next year.
E&A.6	A sub-group of the Rural and Environment Partnership has been established to promote and co-ordinate adaptation and mitigation measures in relation to climate change in Angus through partner agencies strategies and action plans in relation to Travel Plans; Estate Management;	Chief Executive's/ Community Planning	Ongoing	Non quantifiable.	Climate change remains a priority in the new Single Outcome Agreement being developed for agreement by end June 2013. Following a self assessment exercise, the Rural and Environment Partnership is working to identify added value opportunities through joint working on individual partner projects.

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	Alternative Energy Sources; Waste Reduction etc.				
E&A.7	Support and encourage implementation of environmental projects.	Chief Executive's/ Community Planning	Ongoing	Non quantifiable.	The Tayside Biodiversity Partnership's Working Groups are continuing to take forward 62 projects, 48 of which are Angus-based. All projects, together with the SITA Tayside Biodiversity Action Fund projects, are added to the UK BARS (Biodiversity Action Recording System) to ensure local monitoring is reported at UK level.
E&A.8	Promote and support environmental volunteering.	Chief Executive's/ Community Planning	Ongoing	Non quantifiable.	<ul style="list-style-type: none"> • 36 events took place in Angus for 'National Spring Clean' in April and May, involving 2,155 children and 373 adults. As part of the Marine Conservation Society National Beach Survey in September, 10 beaches were surveyed, with 97 volunteers taking part. • The Monifieth Eco Fest Group ran a Conservation Programme from April to October that included wildflower planting, wild food forage, balsam bashing and beach cleans. They received a Bronze Award from Scotland in Bloom and are aiming for the Silver award next year. • The Healthy Happy Communities' Allotment in Arbroath took part in the It's Your Neighbourhood Award run by the Royal Horticultural Society and Beautiful Scotland and achieved the Thriving Level Award. • Significant developments have taken place in a number of projects over the year. Projects which have been supported include: • The House of Dun Community Garden Project; the Healthy and Happy Communities NHS Allotment Project, Arbroath; Millennium Forests tree maintenance; community garden support; apple tree planting; making bird boxes/tables/feeders; new pathways and laurel clearing; environmental courses; beach cleans, wildflower planting and conservation work; Keep Scotland Beautiful National Spring Clean; National Beach Survey.
Energy					
Main Objective: <i>To reduce the consumption of fossil fuel for energy use, promote energy efficiency and increase the use of renewable energy for the Council's own operations and throughout the county.</i>					
E.1.	Reduce CO2e emissions from buildings by 2.5% per annum (which will help the	Property	2011-16		Significant progress has been delivered up to and including 2010/11 almost achieving the then target of

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	Council to meet the emissions reduction target of 20% CO2e by 2015/16 compared to 2006/07 levels).				12.5% reduction to 1990 base. Good progress being delivered in fulfilling the Council's adopted energy consumption and carbon dioxide emissions targets for non-Housing and Communal areas and sheltered accommodation.
E.2.	Achieve an overall reduction in CO2e emissions from Council activities of at least 20% by the end of the year 2015-2016.	Property	2011-16		Current strategy ongoing and delivering progress. Revised action plan to be progressed when available.
E.3.	Bring together existing and future Carbon Management projects into a consistently managed and coherent programme with management oversight from the Climate Change Strategy Working Group and the Energy Management Group.	Property	2011-16		New Member/Officer Steering Group and a Carbon Reduction Working Group were established in 2011. Introduction of changes to energy technicians system of work to create a closer working relationship with the building managers and energy awareness representatives 2012/13
E.4	PC Monitors and workstations in schools and offices (Phase 1: 4,000 computers; Phase 2: 3,000 computers).	IT & Education	2011-16		Computers shut down in all (8) secondary schools at end of the day, and when not in use at break and lunchtimes from August 2009. Pupils can only shut down not log off. Over 2,000 computers in Sec schools. Similarly in all new primary schools. Trial underway in 2010 with 2 primary schools but not taken up by others due to potential charges for installation. The introduction of 'Citrix' thin client within offices will reduce the energy consumption and will enable the base units to be managed externally.
E.5	7 day timers on printers, computer peripherals and other office equipment.	Property (EMU)	2011-16		Completed.
E.6	Change from Quarterly meters to Half Hourly metering (Ph 1 and Ph 2) 350 units.	Property (EMU)	2011-16		Completed.
E.7	Energy Saving Awareness Programme (Bruce House).	Property (EMU)	2011-16		The programme started in March 2012 with training for Building Managers and followed on with training for all office based staff which commenced in November 2012 and will continue into 2013/14. As an additional aid an E-learning package is being developed by a consortium of Scottish Local Authorities.
E.8	Installation of biomass boilers.	Property (EMU)	2011-16	623 tonnes	Recent additions to the list of properties heated from biomass boilers are: Montrose Sports Centre 500kW boiler and The Kinloch Centre and Supported Housing 300kW boiler the emissions reduction for both properties is 623 tonnes of CO2 per annum.
E.9	Installation of powerperfector in 9 buildings.	Property (EMU)	2011-16		

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E.10	Draught proofing of buildings.	Property (EMU)	2011-16		Completed.
E.11	New Montrose Swimming Pool – Biomass Boiler.	Corporate Services	2011-16	Included in E.8 above	As E.8 above.
E.12	Installation of PowerPerfector voltage optimisation software at twenty individual sites	Property (EMU)	2011-16		Installation has now occurred in 20 buildings. Evaluation of the savings created from this project is ongoing.
E.13	Replacement of printers with MFDs.	HQ Support	2011-16		As E.1 above.
E.14	Heating System Improvements.	Property (EMU)	2011-16		As E.1 above.
E.15	Adaptive levels of Street lighting to reduce the energy use. <ul style="list-style-type: none"> • Variable levels of Road Lighting throughout the hours of darkness. • Control Gear • White Light (residential areas) • LED for A92 and wider use 	Roads	2011-16		The council have been reducing the energy consumption of street lighting both in terms of reducing the corporate carbon footprint and its energy costs through the following methods: <ul style="list-style-type: none"> • Variable Road Lighting Levels (Dimming) Over 950 unit have now been installed utilising dimmable control gear. • White Light in Residential Areas – Continuing programme of replacing existing 'orange light' & these now account for 40% of the lighting stock in Angus. • LED (Light Emitting Diode) – Over 700 lighting units have now been installed. • Photo Electric Cells – Existing photocells installed in Angus are calibrated to switch on at 70 lux. New installations & replacement units are calibrated to switch on at 35 lux offering an energy saving against the existing switching regime.
E.16	Continue to enforce legislation in relation to energy performance labelling of household electrical appliances in both domestic and commercial buildings. Environmental claims are regulated in respect of consumer products, including fuel standards, presence of toxic substances, control of propellants, etc.	Trading Standards	Ongoing	Non Quantifiable	A major High Street retailer was the subject of a report for prosecution to the Procurator Fiscal in regard to a false declaration of energy usage and possible safety issues in vacuum cleaners. Regulations have been introduced to regulate the energy usage of vacuum cleaners with a restriction above 1600 watts.
E.17	The Council will continue to endorse Heatseekers in their scheme to carry out heat seeking thermal imaging and free surveys and offer private residents either free or discounted insulation in the remaining Angus areas of Forfar, Letham, Kirriemuir, Carnoustie and Monifieth.	Housing	2012	290.63	Completed. Insulation was installed in 665 households: Loft (new) – 160 Loft (top up) - 408 Cavity Wall – 138 External Wall – 31 (some households received more than one type of insulation)

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					Domestic Solar PV Installations in Angus (2010-2013) = 372 (Source DECC)
E.18	Housing Division is working towards a target of National Home Energy Rating (NHER 5) for all council houses by 2015.	Housing	2015		Ongoing. Work in the last year has seen us change our heating policy to allow fuel type changes where a property fails on the SHQS energy efficiency standard. In addition, arrangements have been made to have energy efficiency surveys carried out in all of our electrically heated stock.
E.19	The council's new build housing is being constructed to comply with Level 4 of the Code for Sustainable Homes.	Housing	Ongoing	227.4	39 new homes have been built to level 4 of the Code for Sustainable Homes. This has saved an additional 105.3 tonnes over standard new build housing. 33 electrically heated flats have been demolished and this has saved 122.1 tonnes.

Resource Management

Main Objective: *To reduce waste and the levels of waste going to landfill; increase recycling in line with targets and increase public awareness of the contribution that waste makes to climate change*

RM.1	Initiate discussions with neighbouring authorities with a view to exploring the potential for forming a joint waste disposal group having a remit to investigate longer term options for waste disposal aimed at securing sustainable disposal at the most economic cost for a period of not less than 20 years.	Neighbourhood Services	Aug 2011 (initiated)	Non quantifiable.	Group has been established looking into long term future of DERL waste to energy plant. Joint discussion with DCC also ongoing with regards food waste disposal
RM.2	Introduce on a phased basis a revised recycle collection system to meet the proposed Zero Waste Plan for Scotland targets this to include consultation with householders.	Neighbourhood Services	Aug 2012	Non quantifiable.	Trial of new recycle & food waste collections started in Sep 2012.
RM.3	Extend the AWC system in terms of grey bin, green bin, collection of recycle and food waste to all areas of Angus where implementation should be feasible, this to include consultation with householders.	Neighbourhood Services	Aug 2012 (initiated)	Non quantifiable.	To be extended as outlined subject to May 2013 Committee approval.
RM.4	Carry out ongoing development at Restenneth Landfill site.	Neighbourhood Services	Mar 2012	Non quantifiable.	Ongoing and to include offload area for food waste. Potential for Anaerobic Digestion Plant for food waste. Treatment of street sweeping on site to be developed.
RM.5	Implement the recommended actions from the Waste Best Value Review.	Neighbourhood Services	Apr 2012	Non quantifiable.	Complete and been superseded by zero waste agenda.
RM.6	Expand the range of materials which can be recycled at Recycling Centres in order to	Neighbourhood Services	Apr 2012	Non quantifiable.	Ongoing though subject to suitable outlets for materials.

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	reduce the levels of general waste collected through a programme of investment (which may include the provision of additional staff on site to assist customers in recycling materials brought to the site).				
RM.7	Undertake a specific review across all council facilities to identify options for increasing the opportunities for recycling by staff and customers in terms of both the number of collection points and materials collected.	Neighbourhood Services	Apr 2012	Non quantifiable.	Schools & Business recycling collections being carried out. Commercial food waste collections to start Jan 2014. Collection points constantly updated subject to demand and site suitability.
RM.8	Develop a locally based education and promotion campaign to encourage waste minimisation and maximum recycling/composting among householders.	Neighbourhood Services	Apr 2012	Non quantifiable.	Waste awareness staff being recruited during 2013 partly for this purpose.
RM.9	Develop an education and promotion campaign to that described above, aimed at council staff and customers calling at council facilities.	Neighbourhood Services	Apr 2012	Non quantifiable.	As above.
Transport					
Main Objective: <i>“A transport system, shaped by engagement with its citizens, which helps deliver prosperity and connects communities across the region and beyond, which is socially inclusive and environmentally sustainable and which promotes the health and well-being of all.”</i>					
T.1	Continue to monitor Fleet vehicles on a monthly basis measure its CO ₂ and other greenhouse gas contribution from its operations.	Neighbourhood Services	Ongoing		Ongoing.
T.2	Angus Council will review the Core Path Plan in consultation with landowners and local communities.	Infrastructure Services	2015	Non quantifiable.	Phase 1 of the programme of Core Path improvements completed.
T.3	Angus Council will work with Angus Environmental Trust to assist smaller communities to develop path networks.	Infrastructure Services	Ongoing	Non quantifiable.	Angus Environmental Trust has worked with three community groups to develop local path networks.
T.4	Angus Council will explore options to further promote public transport as a means of enjoying countryside access.	Infrastructure Services	Ongoing	Non quantifiable.	<ul style="list-style-type: none"> Transport Team produces a 'Days out by Bus and Train in Angus' booklet which is available on line and from libraries, tourist offices, council offices etc across Angus. This gives ideas for places to visit and activities such as walks etc at the various destinations. This year we are including details of Angus Council's Paths Networks Leaflets (live links in the on-line version and details of how to access this information in the hard

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					copy) – this addresses an action in Angus Council's Health & Transport Framework in respect of promoting active travel. <ul style="list-style-type: none"> Public Transport information is provided to the Cairngorms National Park Authority to promote access to the Park from Angus – this information is included in their Cairngorms Explorer Leaflet. Service X7 Dundee – Arbroath – Montrose – Stonehaven – Aberdeen now conveys bicycles.
T.5	Continue to implement the actions in the council's Travel Plan.	Infrastructure Services	Ongoing	815.8	As in H&W3 above. Angus Liftshare has estimated emissions savings of 815.8 tonnes of CO2 cumulative since January 2009 to December 2012.
T.6	Review and update the council's Travel Plan	Infrastructure Services	2013	Non quantifiable.	Staff survey carried out in 2012 and results on Intranet. Updated Travel Plan to be developed by December 2013.
T.7	Gather data from staff/elected members business mileage of CO ₂ emissions (for Carbon Trust Standard Report)	Property/Neighbourhood Services	2012		Mileage claims for 2012/13 amount to 3,149,394 miles = 1184 tonnes CO ₂ e. Fuel type & mpg is not known for every car so "unknown fuel" conversions factor was used from DECC's guidelines on company reporting of greenhouse gas emissions.
T.8	Investigate methods of gathering data on staff commuting mileage (for Climate Change Strategy Annual Reports).	Infrastructure Services	2012		The staff travel survey carried out in 2012 shows average commuter mileage for staff 21.2 miles round trip. Extrapolated across all staff this estimates CO ₂ e emissions as being 5672.6 tonnes.
T.9	In encouraging sustainable, integrated and inclusive transport, the Angus Local Plan aims to promote a pattern of development that supports a choice of travel throughout Angus and to other areas. Complementing the Angus Local Transport Strategy, this includes land use planning measures that facilitate travel by foot, cycle and public transport and, where possible, reduce the need to travel by car. Alongside this there is a need to secure a balance between the demands of the telecommunications industry and the protection and enhancement where possible of the local environment.	Planning & Transport		Non Quantifiable.	The principal of promoting sustainable transport supported by well located and accessible development, incorporated in the TAYplan SDP, will be carried forward in the future Angus LDP Proposed Plan.
T.10	Continue to develop School Travel Plans.	Education	Ongoing	Non quantifiable.	65% of schools have a travel plan in place.
T.11	A new care monitoring system is being implemented from April 2012 which will help with more efficient route planning for	Social Work & Health	From April 2012		The new system is still in the testing phase of care monitoring with a planned implementation date (partial) of 1 August 2013. Investigating the use of a monitoring

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	home care staff.				system for when it goes live to assess the impact on vehicle mileage and CO2 emissions.
Sustainable Procurement					
Main Objective: <i>Ensure that goods and services purchased by the council contribute to sustainable development whilst delivering value for money for the citizens of Angus.</i>					
P.1	Continue to specify the use of materials in accordance with the BREEAM ¹ Green Procurement Guide and in accordance with council policies, e.g. 10% recycled content; rainwater recycling; sustainable properties best practice; sustainable sourcing of timber and timber products, renewable generation etc. It is investigating the implementation of the National Zero Waste Strategy by reducing waste to landfill.	Property	Ongoing	Non quantifiable.	Ongoing.
P.2	Continue to procure through Procurement Scotland who in turn specifies equipment meets energy star compliance and that all companies must recycle IT equipment.	IT	Ongoing	Non quantifiable.	The lead service here is stated to be IT. However, Angus Council continues to procure PC hardware through procurement Scotland.
P.3	Ensure all documents, leaflets, posters, etc produced by the council are on at least 80% recycled paper with the remaining 20% sustainably produced.	Corporate Services	Ongoing	Non quantifiable.	Paper used by the Print & Design unit meets the terms of this action point. For other Council paper use, Angus Council is working towards the Silver Timber Pledge award which involves, amongst other things, the evidenced use of paper sourced only from sustainable sources.
P.4	Continue to use energy efficiency measures such as efficient A rated boiler installations, sustainable construction and use of FSC timber are part of our specification.	Neighbourhood Service/Housing	Ongoing		Ongoing.
P.5	Sign up to WWF's Timber Pledge to purchase only sustainably produced timber and timber products.	All Depts.	2012	Non quantifiable.	Report approved by Strategic Policy Committee in June 2012. Small corporate working group implementing the actions and on target to achieve the Silver Award in Autumn 2013.
P.6	Continue to purchase low energy lighting wherever possible.	All Depts.	Ongoing		Ongoing.
P.7	Purchase vehicle engines to the highest current specification with the lowest	Neighbourhood Services/Fleet Services	Ongoing		In the last year the Council has: <ul style="list-style-type: none"> • Purchased 1 electric sweeper through the Low

¹ Building Research Establishment Environmental Assessment Method

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	emissions.				<p>Carbon Vehicle Support Scheme.</p> <ul style="list-style-type: none"> • Installed electric vehicle charging infrastructure at Orchardbank Campus, Forfar. • Replaced 3 Access Buses within Social Work Dept to vehicles with "Euro V EEV" engine vehicles. • Replaced 2 large vans within Social Work Dept to vehicles with "Euro V EEV" engine vehicles. • Replaced 1 workshop support vehicle with "Euro V engine & Hybrid" technology. • Replace 2 RCV vehicles within Waste to vehicles with "Euro V EEV" engine vehicles. • Purchased 2 RCV vehicles within Waste for Food Waste and Co-mingling collections with "Euro V EEV" engine vehicles. • Replaced 1 car within Social work Dept with a Skoda Octavia "Greenline" which is extremely fuel efficient and has low emissions.
P.8	The Corporate Procurement Manager shall continue to engage with stakeholders with regard to corporate social responsibility in order to develop a procurement approach to climate change/environmental issues.	Corporate Services	Ongoing	Non quantifiable.	Angus Council at its meeting on 22 March 2012 approved sustainable procurement policy which applies to all Council procurement. Appendix 1 to Report no 221/12 refers. Work continues to embed that approach into all Council procurement activity.
Cultural and Natural Heritage Action Plan					
Main Objective: <i>Raise awareness of climate change issues which will influence our stewardship of biodiversity natural resources and the promotion of the unique natural environment of Angus.</i>					
C&NH.1	Tayside Biodiversity Action Plan species and habitat action plans are implemented, to ensure objectives are met ensuring that future climate change is taken into account.	Planning & Transport	Ongoing	Non quantifiable.	Ongoing projects being carried out by terrestrial and coastal groups to enhance habitats and species populations. Tayside Biodiversity Action Plan to be reviewed in 2013/14
C&NH.2	Establish the role of protected areas, as part of a wider ecological network, in relation to climate change mitigation and adaptation.	Planning & Transport		Non quantifiable.	Ongoing work between main environmental stakeholders to enhance ecological network.
C&NH.3	Effective landscape or catchment-scale land use planning used as appropriate.	Planning & Transport	Ongoing	Non quantifiable	Ongoing work between main environmental stakeholders in particular Forestry Commission Scotland and the River South Esk Catchment Partnership.
C&NH.4	Reduce woodland fragmentation as a result of new woodland planting and other land use change (with limited impact on	Planning & Transport Neighbourhood Services		Non quantifiable.	Ongoing work between main environmental stakeholders in particular Forestry Commission Scotland and the River South Esk

Ref No	Action	Lead Dept/Service	Timeline	Annual Emissions Reduction (tonnes CO2)	Progress
	other habitats).				Catchment Partnership.
C&NH.5	Native woodlands are in favourable condition with improved resilience to potential climate change impacts.	Neighbourhood Services		Non quantifiable.	Ongoing work through Angus Woodland and Forestry Framework.
C&NH.6	Ensure there is a better understanding of how our native woodland is affected by climate change, and how our woodlands and wider landscapes can be adapted to deal with the impacts of climate change.	Planning & Transport Neighbourhood Services		Non quantifiable.	Ongoing work between main environmental stakeholders in particular Forestry Commission Scotland.
C&NH.7	Promote adaptation and mitigation measures that enhance the sustainability of the use of natural resources.	Planning & Transport Economic Development		Non quantifiable.	Ongoing projects on a catchment scale carried out by the River South Esk Catchment Partnership.
C&NH.8	Promote action to enhance habitats and address climate change, e.g. from woodland expansion on archaeology or from coastal realignment on coastal heritage.	Planning & Transport Neighbourhood Services		Non quantifiable.	Ongoing projects carried out by the River South Esk Catchment Partnership, Tayside Biodiversity Partnership and Tay Estuary Forum.
C&NH.9	Establish a Strategic Greenspace Partnership to engage with external partner organisations on the implementation of the Open Space Strategy recommendations.	Planning & Transport Neighbourhood Services		Non quantifiable.	A green Space Working Group formed incorporating the Tayside Biodiversity Partnership. Discussions are under way to possibly create a North East Scotland Green Network with neighbouring stakeholders.
C&NH.10	Encourage the creation and implementation of an Open Space Strategy and quality audit map to cover all open spaces within Angus, whether public or private, hard, soft or water landscapes.	Planning & Transport Neighbourhood Services		Non quantifiable.	To be developed. Leisure Services project supported by Planning & Transport

Water Action Plan

Main Objective: *Promote issues such as sustainable water use practices not only in Angus Council's premises but in the wider community, the importance of water quality improvement on ecosystem health and the awareness of fluvial and coastal flood risk prevention measures.*

W.1	Raise awareness of the implications of the impacts of climate change on the water environment of Angus.	Planning & Transport Roads	Ongoing	Non quantifiable.	Ongoing projects carried out by the River South Esk Catchment Partnership, Tayside Biodiversity Partnership and Tay Estuary Forum. Shoreline Management Plan 2 consultation commenced.
W.2	Ensure that wetlands are seen as a key component in sustainable management for climate change mitigation and habitat restoration.	Planning & Transport Roads	Ongoing	Non quantifiable.	Ongoing projects carried out by the River South Esk Catchment Partnership, Tayside Biodiversity Partnership and Tay Estuary Forum. Local Flood Risk Management Strategies being developed.
W.3	Manage flooding in freshwater and coastal environments which may have negative	Planning & Transport	Ongoing	Non quantifiable.	Plan 2 consultation commenced/Brechin Flood Prevention Scheme and Arbroath (Brothock Water) Flood

Ref No	Action	Lead Dept/Service	Timeline	Annual Emissions Reduction (tonnes CO2)	Progress
	impacts on cultural heritage and landscape and local access provisions.	Roads			Protection Scheme progressed, along with other minor measures/Local Flood Risk Management Strategies being developed.
W.4	Ensure improved resilience of river ecosystems, catchments and the lochs within those catchments.	Planning & Transport Roads	Ongoing	Non quantifiable.	Brechin Flood Prevention Scheme and Arbroath (Brothock Water) Flood Protection Scheme progressed, along with other minor measures/Local Flood Risk Management Strategies being developed.
W.5	Ensure that policy makers and decision takers are well informed of the implications of climate change in the marine environment.	Planning & Transport Roads	Ongoing	Non quantifiable.	Shoreline Management Plan 2 consultation commenced.

Planning & Built Environment Action Plan

Main Objective: *To guide development and changes in land use, in a sustainable manner that can best serve the needs of communities throughout Angus*

P&BE.1	Maintenance of a national overview of the effects of renewable energy developments on the natural heritage.	Planning & Transport	Ongoing	Non quantifiable.	Ongoing.
P&BE.2	Maintenance of dialogue with the renewable energy industry, Scottish Government and wider stakeholders, ensuring that natural heritage interests are safeguarded.	Planning & Transport	Ongoing	Non quantifiable.	Ongoing.
P&BE.3	Planned, designed and managed new development which supports active travel and reduces Angus' overall carbon footprint.	Planning & Transport	Ongoing	Non quantifiable.	Ongoing.
P&BE.4	The urban areas of Angus are planned to enhance opportunities to enjoy the outdoors and support environmental services and enhanced ecological connectivity.	Planning & Transport	Ongoing	Non quantifiable.	Ongoing.
P&BE.5	Maintenance of a watching brief on climate change scenarios and the consequent direct and indirect impacts on Angus' landscapes.	Planning & Transport	Ongoing	Non quantifiable.	Ongoing.

Ref No	Action	Lead Dept/Service	Timeline	Progress
Adaptation				
Main Objective: <i>To prepare, plan and adapt to the changing weather patterns in Angus in an effort to reduce and manage those impacts, especially on those most vulnerable in our community.</i>				

Ref No	Action	Lead Dept/Service	Timeline	Progress
A.1	To embed climate change into corporate plans, improvement plans, action plans, and service plans and to measure and record the outcome of these plans.	Chief Executive's	2012/13	Embedded in Community Plan and SOA, corporate plan and some service improvement plans.
A.2	To incorporate climate change impacts within Committee reports.	Chief Executive's	2012/13	This has not been actioned but will be considered in the review of Standing Orders and the scheme of delegation to officers planned for summer 2013 in the light of new council management structures and reporting officer requirements.
A.3	To influence the culture of the organisation in relation to training and awareness raising of climate change issues and how all services can contribute to climate change adaptation.	Climate Change Strategy Working Group	Ongoing	E-learning module for staff training on sustainable development & climate change issues in development.
A.4	To develop skills and capacity building across the Council, investment is required in skills, e.g. how do we measure greenhouse gas emissions? How do we reduce carbon? How do we monitor trends?	Climate Change Strategy Working Group	Ongoing	Methods of measuring climate change reduction efforts are still to be developed for some areas. Maintain a watching brief for emerging methodologies
A.5	More effective community engagement in relation to climate change mitigation and adaptation in Angus.	Climate Change Strategy Working Group/Community Planning Partners	Ongoing	<ul style="list-style-type: none"> Tactran launched "Travelknowhow", a web-based toolkit to support public and private sector employers to develop and implement travel plans. Four employers are registered with "Travelknowhow" - Angus Council, Angus College, Dundee and Angus Chamber of Commerce, and Arbroath Infirmary. Further contacts are being made to encourage other employers to register.
A.6	Increase the use of SUDS in new developments.	Infrastructure Services	Ongoing	Investigation of and the use of SUDS (where appropriate) is now a requirement for every development.
A.7	Effective adaptation and mitigation measures which set integrated objectives to establish resilient ecosystems for people and wildlife.	Neighbourhood Services Ranger Service Ranger Service & Tree Officer Ranger Service Ranger Service/SNH/TVF Ranger Service Ranger Service Ranger Service	Ongoing Ongoing Completed Annually Annually Ongoing Ongoing Ongoing	<ul style="list-style-type: none"> Funding from the Angus Environment Trust has enabled works to be carried out at Elliot SSSI to reduce invasive species and protect the natural habitat through the use of boardwalks, paths and interpretative signage. Downie Moor Woods, Nr Crombie Woodland Improvement – create semi natural native woodland. Angus Community Orchard Project – 1000's of native fruit trees planted around Angus. Grass Cutting Regimes (Country Parks) – improve wildflower diversity. Salmon in the Classroom Project – increase salmon populations. Forfar Loch Country Park Garden Project – create pond & marshland habitats. Monikie Country Park Meadow Project – wildflower meadow, small woodland. Crombie Country Park, Peddieston West Heathland Restoration - Removing scrub/non native species.
A.8	Angus Council will fully engage with Scottish Environment Protection Agency (SEPA) in the setting of actions to be included within flood risk management plans.	Infrastructure Services	2012	Local Flood Risk Management Strategies being developed.

Ref No	Action	Lead Dept/Service	Timeline	Progress
A.9	Angus Council will participate fully in the establishment of advisory groups under the Flood Risk Management (Scotland) Act 2009 and subsequent decisions made.	Infrastructure Services	2012 onwards	Local advisory group, local district partnerships and sub-groups established.
A.10	Angus Council will prepare a schedule of clearance and repair works.	Infrastructure Services	2012 onwards	Schedule prepared.
A.11	Angus Council will prepare maps of water bodies and Sustainable Urban Drainage Systems (SUDS).	Infrastructure Services	2012	Mapping exercise under development.
A.12	Angus Council will work with the local advisory group to develop Flood Risk Management Plans.	Infrastructure Services	2012	Local advisory group, local district partnerships and sub-groups established.
A.13	Angus Council will work with the local advisory group to develop and publish Flood Risk Management Plans.	Infrastructure Services	December 2015 onwards	
A.14	Angus Council will work with the local advisory group to develop and publish implementation parts of Flood Risk Management Plans.	Infrastructure Services	June 2016	
A.15	Angus Council will begin implementing the measures in Local Flood Risk Management Plans.	Infrastructure Services	June 2016	
A.16	Provide policy and technical advice on the provision and management of paths and infrastructure in response to climate change or changing patterns of recreation resulting from climate change.	Planning & Transport	Ongoing	Ongoing.
A.17	Adaptation measures to ensure the movement of species through the Angus landscape and fresh waters in response to climate change is supported.	Planning & Transport	Ongoing	Ongoing projects carried out by the River South Esk Catchment Partnership, Tayside Biodiversity Partnership and Tay Estuary Forum.
A.18	Promote action to support biodiversity adaptation such as habitat networks, and to promote adaptation measures that work with natural processes.	Planning & Transport Neighbourhood Services	Ongoing	Ongoing projects carried out by the River South Esk Catchment Partnership, Tayside Biodiversity Partnership and Tay Estuary Forum.
A.19	Promote adaptation and mitigation measures that enhance the sustainability of the use of natural resources.	Planning & Transport Economic Development	Ongoing	Working towards achieving the Silver Timber Pledge Award (see P.5 above)
A.20	Ensure those areas most vulnerable to rising sea level and/or storm surge and wave overtopping are identified to improve understanding, management and policy	Infrastructure Services	Ongoing	Shoreline Management Plan 2 - consultation commenced.