

ANGUS COUNCIL

STRATEGIC POLICY COMMITTEE – 14 JUNE 2011

SCOTLAND'S CLIMATE CHANGE DECLARATION ANNUAL UPDATE REPORT

REPORT BY THE DIRECTORS OF INFRASTRUCTURE SERVICES
AND CORPORATE SERVICES

ABSTRACT: This report highlights progress made by the Council regarding its work to reduce its climate change impacts to meet its commitments of the Scottish Climate Change Declaration.

1. RECOMMENDATION

It is recommended that the Committee note the contents of this report and the progress the Council is making in regard to climate change.

2. BACKGROUND

2.1 In February 2007 Angus Council signed Scotland's Climate Change Declaration which committed the council to a number of actions to reduce its impact on climate change. One of those actions is to produce an annual report on progress. Angus Council's first Climate Change Declaration report was approved by the Strategic Policy Committee in October 2009 (report 773/09 refers).

2.2 The Declaration contained seven commitments and these are listed below:-

- (A) Work with the Scottish Government and the UK government to contribute to the delivery of Scotland's and the UK's climate change programmes, including to reduce greenhouse gas emissions and to adapt to future climate change scenarios.
- (B) Produce and publicly declare a plan, with targets and time-scales, to achieve a significant reduction in greenhouse gas emissions from our own operations. this will include our energy use and sourcing, travel and transportation, waste production and disposal, estate management, procurement of goods and services, and improved staff awareness.
- (C) Ensure that greenhouse gas reduction and climate change adaptation measures are clearly incorporated into our new and existing strategies, plans and programmes, in line with sustainable development principles.
- (D) Assess the risks and opportunities for our services and our communities of predicted climate change scenarios and impacts, and take action to adapt accordingly and in line with sustainable development principles.
- (E) Encourage and work with others in our local community to take action to adapt to the impact of climate change, to reduce their own greenhouse gas emissions and to make public their commitment to action.
- (F) Publish an annual statement on the monitoring and progress of our climate change response, detailing targets set, actions taken, outcomes achieved and further actions required.
- (G) Collaborate with other organisations to promote good practice of climate change mitigation and adaptation.

2.3 This report is intended to provide a short update on actions taken by departments and is to be submitted to COSLA Leaders at a meeting scheduled for 27 May 2011.

3. CURRENT POSITION

3.1 The Sustainable Scotland Network developed a template for reporting purposes and the update on actions are provided in this form on **Appendix I**.

4. FINANCIAL IMPLICATIONS

4.1 There are no financial implications arising from this report.

5. HUMAN RIGHTS IMPLICATIONS

5.1 There are no human rights implications arising from this report.

6. EQUALITIES IMPLICATIONS

6.1 The issues contained in the report fall within an approved category that has been confirmed as exempt from an equalities perspective.

7. SINGLE OUTCOME AGREEMENT

7.1 This report contributes to the following local outcome contained within the Single Outcome Agreement for Angus.

- 14 We reduce the local and global environmental impact of our consumption and production.
- The carbon and ecological footprint of Angus are reduced.

8. CONSULTATION

8.1 The Chief Executive, Head of Finance and Head of Law & Administration have been consulted in the preparation of this report.

9. CONCLUSION

9.1 The attached template (**Appendix I**) shows the council is making reasonable progress in its efforts to meet its commitments outlined in Scotland's Climate Change Declaration.

COLIN MCMAHON
DIRECTOR OF CORPORATE SERVICES

ERIC S LOWSON
DIRECTOR OF INFRASTRUCTURE SERVICES

NOTE: No background papers, as defined 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/IAL
12 April 2011

Scotland's Climate Change Declaration – Angus Council 2010 Update

Section 1 Governance, Leadership and Management

The Angus Rural and Environment Partnership reported progress to the full Community Planning Partnership in June 2010. (Further detail given in sections 3 & 4).

The Environment and Sustainable Development Corporate Working Group was dissolved in June 2010 in order to establish a new working group with its primary focus on climate change and to develop a Climate Change Strategy.

In addition, the Council's Standing Orders Scheme of Delegation as issued in June 2010 authorised the Director of Corporate Services to manage Angus Council's response to the new duties specified in the Carbon Reduction Commitment Energy Efficiency Scheme Order 2010 and the Director of Infrastructure Services was authorised to exercise all responsibilities on behalf of Angus Council for the functions specified in the Climate Change (Scotland) Act 2009.

Section 2 Reducing the local authority's own direct greenhouse gas emissions from their estate and services.

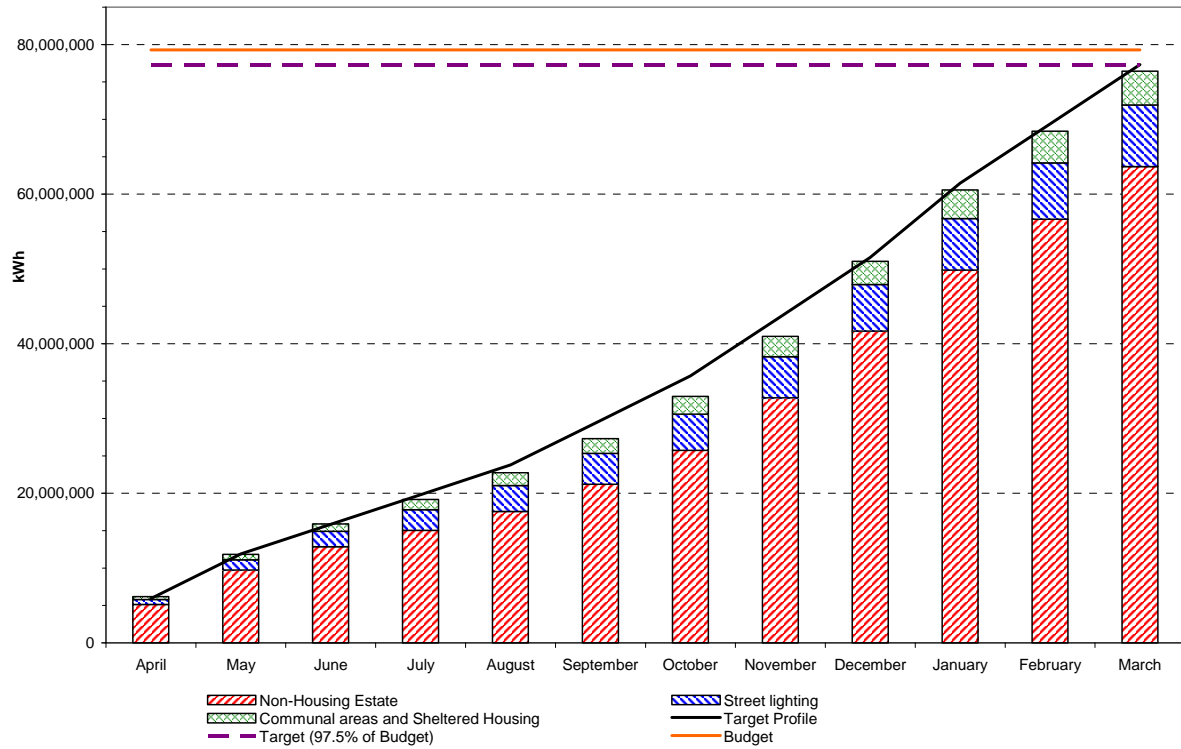
In May 2008 the Strategic Policy Committee approved the Council's first Carbon Management Programme (report 471/08 refers). The plan brought forward a number of actions and the progress of which are listed in the table below. As a follow up to the first Carbon Management Report, Angus Council is participating in the Carbon Trust funded Carbon Management Review Programme which commenced in September 2010.

| Action Plan - Projects | Action Taken |
|--|---|
| 1. PC Monitors and workstations in schools and offices (Phase 1: 4,000 computers; Phase 2: 3,000 computers). | 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. No progress with regard to offices. |
| 2. Printers. | Undertaken via projects 1 and 3. |
| 3. 7 day timers on printers and computer peripherals, photocopiers, vending machines, water coolers, microwave ovens, coffee machines. | 450 timers purchased in 2009. 400 installed at main council offices and leisure centres, summer 2009. Instant energy savings detected from half hourly monitoring. |
| 4. Change from Quarterly meters to Half Hourly metering (Phase 1 and Phase 2) 350 units. | Phase 1 -71 units (35 electric, 36 gas), Phase 2 - 279 units (285 Electric, 106 Gas). Estimated 1050 tonnes CO ₂ saved to 31/3/10. |

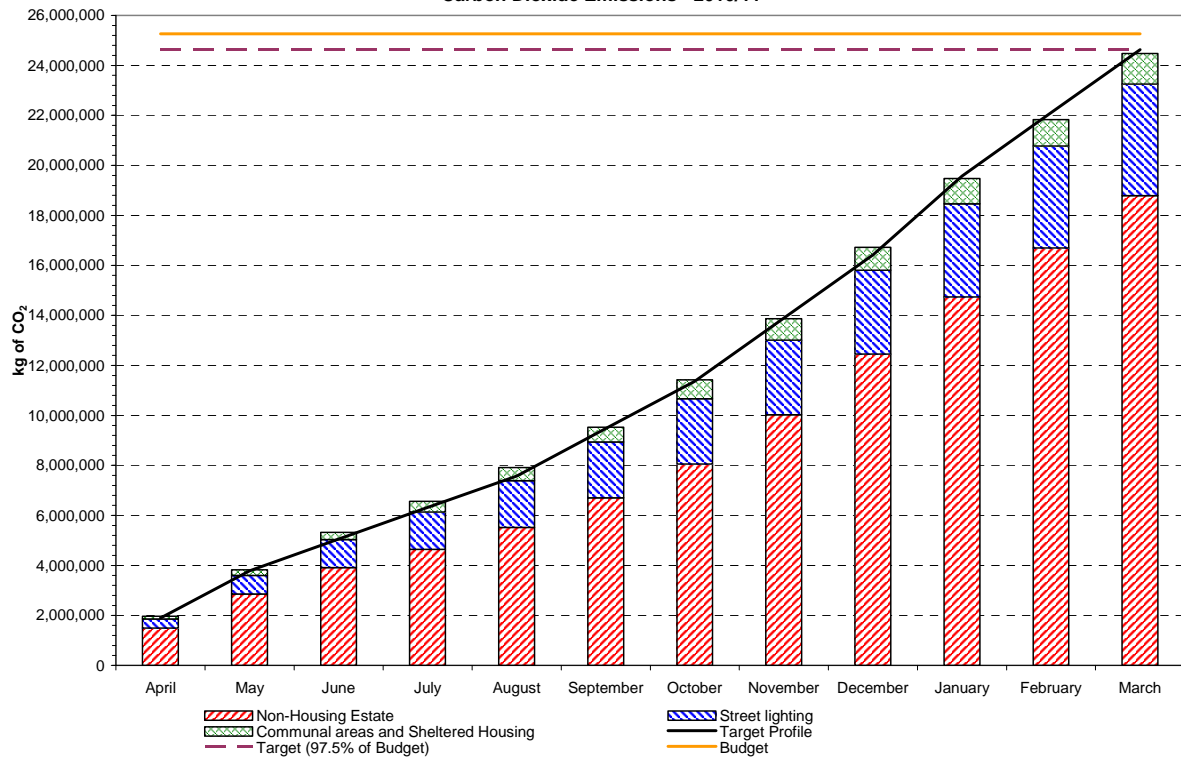
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|---|---|
| 5. Energy Saving Awareness programme. | A week spent in one leisure centre in March 2008 produced more than 30% savings on the previous week. Departments rolled it out to other 8 leisure centres. Also done in one office building giving 4.9% reduction. Estimated savings to 31/3/10 5 tonnes CO ₂ . |
| 6. Installation of biomass boilers. | Property estimate 407 tonnes of CO ₂ saved up to 31/3/10 (Estimate 4,700 tonnes CO ₂ over 5 years from 2010 to 2015). Biomass Boiler installed at Seaview Primary School (old school all elect annual 352,178 kwh) (new build opened autumn 2009 - also has solar panels, good air tightness, natural daylight + sun pipes etc) and Isla Primary School (new build opened Aug 2010) bringing the total of biomass boilers installed to 5. |
| 7. Conversion of T12 (36mm bulbs) to T8 (24mm bulbs - uses less energy than T12 bulbs). | Instruction issued to schools to purchase T8 light bulbs wherever possible. |
| 8. Installation of powerperfector in 5 buildings. | Installation has now occurred in 9 buildings (7 of which have been proved to save 154 tonnes pa). |
| 9. Draught proofing of buildings. | Draughtproofing of windows and external doors in Ladyloan Primary School, Warddykes Primary School, Timmergreens Primary School and Webster's High School.(Savings for Warddykes & Timmergreens Primary Schools 80,000kWh per year). |
| 10. Energy management arrangements. | New Member steering group approved Sept 2010. |
| 11. Implementing a staff Travel Plan. | Various ongoing actions undertaken, e.g. promoting car sharing through AngusLiftshare.com, Car share parking bays; promoting cycling through: Pool Bikes for staff, showers and lockers provided at main council offices, commuter cycle training for staff, Bike Week events. Achieved Cycle Friendly Employer award for three main offices in 2010. |

The Property Division's Year End Report on Energy Consumption and Carbon Dioxide Emissions (Carbon Reduction Commitment Obligations) for the period up to 31 March 2011 (report 309/11 refers) highlighted that a target of 2.5% reduction in 2010/11 has been set. The following charts illustrate the council's energy consumption and carbon dioxide emissions for the financial year 2010/2011, since the reports are based on the financial year.

Energy Consumption - 2010/11



Carbon Dioxide Emissions - 2010/11



Other actions taken which were not part of the Carbon Management Programme are listed below:

Infrastructure Services:

Reducing the Energy Consumption of Street Lighting (Report No. 291/11 refers)

The council has 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:

- **Variable Road Lighting Levels (Dimming)** – Nine replacement schemes have utilized dimmable control gear along with another six conversion, luminaire only, schemes which have been completed.
- **White Light in Residential Areas** – British Standard (BS5489) allows a reduction of one lighting class in residential areas if a light source has a colour rendering index (Ra) of greater than 60. This is deemed as “white light” and Angus Council have installed a number of “white light” sources throughout the burghs resulting in a reduction in the council’s carbon footprint of 18.6 tonnes per annum. However, the overall energy costs and carbon footprint for the lighting stock as a whole remains around the same as in the previous year due to the adoption of new lighting within private developments which have increased the energy costs and carbon footprint of the council’s lighting stock.

Future Plans include:

- Led (light emitting diode) proposed for the A92 dual carriageway.
- Electronic Control Gear – reduces the overall total circuit wattage and can be used for dimming purposes.
- Trimming – replacing old thermal photocells with new lighting controls that consume less energy.

Section 3

Taking action to reduce the emissions from the local authority area

The Angus Rural and Environment Partnership (AREP) will be charged with ensuring the delivery and monitoring of various objectives and actions as agreed by partners and the Angus Community Planning Partnership. Their Full Year Progress Report 2009/10 outlined the following:

- Green volunteering initiatives are now being captured and reported upon through one of the sub-groups of AREP. The impact on individuals and communities will be monitored over the coming year.
- The majority of indicators used to track change for sustainable development/environment and carbon footprint can only be reported annually. In an effort to improve reliability and validity of indicators, there have been some changes/replacements to established indicators.
- Angus Woodland and Forestry Framework – Various one to one stakeholder meetings have taken place, along with a public consultation exercise in April 2010.
- Angus Council a key player in the River South Esk Catchment Management Plan.
- Angus Council - Local Climate Impacts Profile – regular public reporting; Travel Plan (published 2009); working towards a Climate Change Strategy, Eco Schools, Angus LiftShare.com

Carbon Footprint

Snapshot of Community Planning Partners’ climate change initiatives:

- Tayside Police Carbon Management Programme (Dec 2010).
- NHS Tayside - Environmental Strategy, Environmental Strategy Group, Carbon Management Plan (to 2013); energy targets for new and existing buildings and to reduce carbon based emissions.
- SEPA five year climate change plan (Dec 2008); fact sheets being produced

- SNH - climate change action plan.
- Forestry Commission Scotland - climate change action plan.
- Angus schools, some Council offices and Arbroath Abbey participated in Earth Hour 2010.

Section 4

Assessing the risks of climate change impacts and working with others to adapt to the impacts of climate change.

- Community Planning – see previous section
- The Local Climate Impacts Project with SNIFFER (Scottish & Northern Ireland Forum for Environmental Research) was presented to chief officers in September 2010.
- A presentation on climate change and its effects was given by Alex Hill, Chief Advisor, of the Met Office to Development Planning Officers in August 2010.
- The Head of Planning & Transport gave a presentation on climate change to managers as part of Angus Council's Information and Network sessions.

Section 5

Developing effective partnership working and climate change communications, including producing an annual statement of plans, activities and achievements.

- A number of the Staff Travel Plan projects were implemented throughout 2010 including, promoting AngusLiftshare.com, promoting a cycle run during Bike Week, Commuter Cycle training for staff, and achievement of the Cycle Friendly Employer Award from Cycling Scotland: introduced the Cycle to Work Scheme (cycle hire scheme for employees).
- Schools participated in Earth Hour and Arbroath Abbey also switched off its floodlights during Earth Hour 2010.
- The council participated in a World Environment Day event held in the Old and Abbey Church, Arbroath.
- LOCAL Climate Impacts Profile was published and reported to Chief Officers and Community Planning Partners.
- The Property Section (Energy Management Unit) regularly reports on energy use and carbon reduction efforts in non-housing council buildings.

Climate Change Progress Highlights of the Past Year

- Carbon Management Programme – Review underway.
- Travel Plan – a number of initiatives implemented (see above).
- Angus Rural Environment Partnership – see progress reports above.
- Energy Management Unit activities – Reporting a reduction in CO2 emissions of 3.7%.