AGENDA ITEM NO 8
REPORT NO 63/11

ANGUS COUNCIL
CORPORATE SERVICES COMMITTEE – 27 JANUARY 2011

ENERGY CONSUMPTION AND CARBON DIOXIDE EMISSIONS (CRC) PROGRESS REPORT - 2010/2011

REPORT BY THE DIRECTOR OF CORPORATE SERVICES

ABSTRACT: This report presents the status of cumulative energy consumption and carbon dioxide emissions for the period up to 31st December 2010.

1. RECOMMENDATIONS

It is recommended that the Committee notes the contents of this report.

2. BACKGROUND

The Angus Council, at its meeting on the 17th September 2009, noted the contents of the report no: 665/09, MANAGING THE CLIMATE CHANGE (SCOTLAND) ACT 2009 AND CARBON REDUCTION COMMITMENT OBLIGATIONS, which detailed the progress achieved in preparing for the implementation of the Carbon Reduction Commitment (CRC) obligation and the implications of new and imminent legislation.

Report no: 668/10, THE ESTABLISHMENT OF MANAGEMENT ARRANGEMENTS TO FULFIL THE REQUIREMENTS OF THE CARBON REDUCTION COMMITMENT ENERGY EFFICIENCY ORDER 2010, noted and approved by the Strategic Policy Committee at its meeting of 07 September 2010, provided an update on the progress achieved in preparing Angus Council to participate fully in delivering the new legal duty introduced by the Carbon Reduction Commitment Energy Efficiency Order 2010 and recommended management arrangements for establishing and implementing continuing appropriate carbon reduction strategies.

Part of these new arrangements is a refocusing of performance from financial outturn for the corporate energy budget and associated environmental impact to the energy consumption and carbon dioxide emissions performance of the council currently comprising:

- Non-Housing Council properties
- Street lighting
- Housing communal areas and sheltered accommodation

Re-accreditation to the Carbon Trust Standard, due between March and September 2011, will require the Council to manage reductions in additional sources of carbon dioxide emissions not yet encompassed e.g. street lighting and business mileage (cars, trains and aeroplanes) for the current and previous financial years and this progress report will be adjusted accordingly.

The profiles adopted for energy consumption and carbon dioxide emissions in this report are provisional. The energy consumption and carbon dioxide emissions data gathered and reported during 2010/11 will enable the profiles to be refined to be more representative for future years.

3. CURRENT POSITION

The CRC scheme will require year on year reductions in carbon dioxide emissions to be achieved and it is understood that these may be up to 5% annually. A target of 2.5% reduction in 2010/11 has been set for management purposes given that the detailed management and operating practices are not yet in place.
The three sources of energy consumption and carbon dioxide emissions detailed in section 2 of this report contribute to the overall budgets and progress as detailed in Appendix 2.

Whilst the energy consumptions and carbon dioxide emissions from street lighting make a significant contribution to Council performance this is much less the case for communal areas and sheltered housing.

The first report of this type advised that data was not then available for the communal areas and sheltered housing element. This has been addressed and this report now incorporates this data.

The data available for street lighting is currently based upon distributing the annual consumption across the year on a daily basis and aggregating for monthly monitoring. It is intended that future data will be based upon the actual consumptions and emissions on a monthly basis and this will inform a more appropriate profile for future years.

The overall energy consumption and carbon dioxide emissions, as detailed in Appendix 1, are currently marginally below the respective profiles.

Preliminary overall forecast outturns have been developed, to support energy consumption and carbon dioxide emissions management, utilising the data gathered so far this year and the consumptions and emissions data for the period January to March 2010 with adjustment to accommodate the possible impact of continuing severe weather.

These have been prepared by summarising the forecast outturns at departmental and major consuming divisional levels and indicate a potential outturn of 108% of the budgeted energy consumption and carbon dioxide emissions due to the severity and duration of this extreme weather.

It is intended that this information will be issued to departments for the reference and to assist them manage their energy consumption and carbon dioxide emissions performance in future years.

It is also intended that this information be submitted for consideration by the Carbon Reduction Member/Officer Steering Group and the Carbon Reduction Working Group so that appropriate actions, where needed, can be determined and actioned.

4. FINANCIAL IMPLICATIONS

There are no financial implications directly associated with the recommendations contained in this report.

The forecast Energy Consumption End-of-Year outturn indicates that, due to the recent and possible future severe weather up to March 2011, there is potential for an over-spend on the Corporate Energy budget for 2010/11.

5. HUMAN RIGHTS IMPLICATIONS

There are no Human Rights Act implications specific to this report.

Any implications, as a consequence of discharging recommendations detailed in this report, will be managed in accordance with the standing procedures and processes established by the Property Division.

6. EQUALITIES IMPLICATIONS

The issues dealt with in this Report have been subject of consideration from an equalities perspective (as required by legislation). An equalities impact assessment is not required.

7. SINGLE OUTCOME AGREEMENT

This report contributes to the following local outcome contained within the Single Outcome Agreement for Angus:-

- The importance and benefits to society of the environment is recognised.
8. CONSULTATION

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

REFERENCES

<table>
<thead>
<tr>
<th>Committee</th>
<th>Date</th>
<th>Report No</th>
<th>Subject</th>
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<tbody>
<tr>
<td>Strategic Policy</td>
<td>7 September 2010</td>
<td>668/10</td>
<td>The Establishment of Management Arrangements to Fulfil the Requirements of the Carbon Reduction Commitment Energy Efficiency Order 2010.</td>
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<tr>
<td>Corporate Services</td>
<td>17 September 2009</td>
<td>665/09</td>
<td>Managing the climate change (Scotland) Act 2009 and carbon Reduction Commitment obligations</td>
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Appendix 1  Energy Consumption and Carbon Dioxide Emissions - Cumulative to December 2010
Appendix 2  Energy Consumption and Carbon Dioxide Emissions - Sources

Colin McMahon
DIRECTOR OF CORPORATE 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 any material extent in preparing the above report.

Property/JP/JR
Appendix 1   Energy Consumption and Carbon Dioxide Emissions - Cumulative to December 2010

Energy Consumption - Cumulative to December 2010

<table>
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</tr>
<tr>
<td>December</td>
<td>120,000,000</td>
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</table>

- Non-Housing Estate
- Target Profile
- Street lighting
- Communal areas and Sheltered Housing
- Forecast
Carbon Dioxide Emissions - Cumulative to December 2010

- Carbon Dioxide Emissions
- Non-Housing Estate
- Street lighting
- Communal areas and Sheltered Housing
- Target Profile
- Target (97.5% of Budget)
- Budget
- Forecast

Graph showing the cumulative emissions from April to December 2010, with different categories and targets.
Figure 1 Energy Consumption

Energy Consumption kWh

- Street Lighting: 10%
- Communal Areas & Sheltered Housing: 4%
- Non-Housing Estate: 86%

Figure 2 Carbon Dioxide emissions

Carbon Dioxide emissions kg

- Street Lighting: 18%
- Communal Areas & Sheltered Housing: 3%
- Non-Housing Estate: 79%