



To: Planning and Property Policy Board

On: 10th November 2015

Report by: Director of Finance & Resources

**Heading: Renfrewshire Council Carbon Management Plan 2014/15 –
2019/20, Update 2014/15**

1. Summary

- 1.1. Reducing Carbon Emissions is one of the principle measures to address climate change and is a key priority for all Local Authorities.
 - 1.2. The Carbon Management Plan was approved by the Planning & Property Policy Board on 11th November 2014. The Plan sets a target reduction of 36% carbon emissions from the 2012/13 baseline by March 2020. This covers a number of sectors across the Council.
 - 1.3. This Report provides an update on the achievements of the Carbon Management Plan.
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2. Recommendations

- 2.1 That the Report be noted.
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3. Background

- 3.1 Renfrewshire Council recognises that climate change will have far reaching effects on Renfrewshire's economy, its people and its environment and is determined to lead by example in tackling the causes of climate change.

- 3.2 The Carbon Management Plan (CMP), quantifies the Councils CO₂ emissions from an established baseline for the financial year 2012/13. In the baseline year 2012/13 the Council generated carbon emissions of 53,514 tonnes of CO₂ from buildings, fleet, waste, street lighting and staff travel.
- 3.3 The Council identified a target to reduce these carbon emissions by 36% by March 2020, which equates to 19,397 tonnes of CO₂ over the same period. All services contribute to the achievement of the carbon reduction targets.
- 3.4 The programme of carbon reduction activities contained within the Plan not only deliver carbon reductions in line with the Climate Change Declaration and deliver significant cost savings for the authority, but also positions the council well for the Carbon Reduction Commitment (CRC) – Energy Efficiency Scheme. The CRC Energy Efficiency Scheme is a mandatory UK scheme aimed at improving energy efficiency and cutting carbon dioxide emissions in large public and private sector organisations.

4. Update

- 4.1 As detailed in the CMP, Renfrewshire Councils 2019/20 target equated to a reduction of 36% from the baseline position. Current progress after 2014/15 shows a reduction of 14.1%, considerably more than anticipated.

- 4.2 A full breakdown of the target is provided below:

	2012-13 Baseline	2014-15 Actual	2014-15 Actual
	CO2 Emissions (tonnes)	CO2 Emissions (tonnes)	% Reduction
Electricity (buildings)	12,505	11,663	6.7%
Gas (buildings)	14,479	12,251	15.4%
Oil (buildings)	1,735	1,135	34.6%
Water (buildings)	395	431	-9.1%
Transport (Council Fleet)	3,521	3,570	-1.4%
Street Lighting	7,016	7,778	-10.9%
Waste	13,348	8,621	35.4%
Staff Mileage	516	527	-2.1%
Total CO2	53,515	45,975	14.1%

The transport (council fleet) figure was updated to reflect more accurate baseline data.

- 4.3 This target has been achieved through a variety of measures, including:

1. Building Management Systems and plant room controls have been installed to provide a greater control over the operation of our heating systems within public buildings and provides remote access to the following properties:

Paisley Grammar,	Castlehead HS,
St Annes PS,	Wallace PS,
Our Lady of Peace PS	Johnstone HS
Underwood Rd	

2. Photovoltaic Panels have been installed on the roofs of the following buildings:

Castlehead HS,	Gryffe HS,
Johnstone HS,	Trinity HS,
Renfrew HS,	Parkmains HS,
Montrose Care Home,	Renfrew Care Home,
Weaver Linn Respite,	Hunterhill Care Home,
St James PS	

Contractors are currently on site completing the installation of solar PV at the following properties:

Houston PS,	Williamsburgh PS,
Ralston PS,	St Charles PS,
St Mary's PS,	St Peter's PS,
West PS	

3. Energy Awareness Campaigns. It has been agreed that moving forward, energy waste and transport will undertake a joint awareness campaign.
4. Boiler upgrade at Rashielea PS (as part of the ongoing boiler replacement programme).
5. Oil to Gas Boiler Conversion in Brediland PS. Building Services have recently completed the installation of new gas boilers at Howwood PS.
6. Biomass Boiler complete St James PS, contractors recently completed the installation of Biomass at St Anthony's PS and Bridge of Weir PS.
7. The council has achieved its target to provide 5% of its fleet from electric vehicles.
8. New and cleaner fossil fuelled cars

9. The diversion of waste from landfill has greatly reduced the tonnage of carbon from waste and is presently exceeding target by creating energy from waste through combustion.
 10. The street lighting consumption has increased from the previous year. However, an acceleration of the LED replacement programme has been agreed and shall commence at the start of 2016.
 11. Water consumption increased due to 2 major water bursts which have since been repaired.
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Implications of the Report

1. **Financial** – The Energy Investment Fund is used to implement initiatives within our public buildings. Reducing our energy consumption will result in lower fuel costs (although, this is dependent on the utility tariffs agreed through the Scottish Procurement Contract).
 2. **HR & Organisational Development** - *none*
 3. **Community Planning Greener** - *the Carbon Management Plan will reduce carbon emissions.*
 4. **Legal** - *none*
 5. **Property/Assets** - Projects were identified and implemented throughout our public buildings portfolio.
 6. **Information Technology** - *none*
 7. **Equality & Human Rights** - *none*
 8. **Health & Safety** - *none*
 9. **Procurement** - *none*
 10. **Risk** - *none*
 11. **Privacy Impact** - *none*
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List of Background Papers

- (a) Background Paper 1 – Carbon Management Plan 2014/15 – 2019/20

The foregoing background papers will be retained within Development & Housing Services for inspection by the public for the prescribed period of four years from the date of the meeting. The contact officer within the service is Craig Doogan, Energy Manager, Tel. 0141-618 6198, e-mail address: craig.doogan@renfrewshire.gov.uk.

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