

To: Infrastructure, Land & Environment Policy Board

On: 22 January 2020

Report by: Director of Finance & Resources

**Heading: Renfrewshire Council Carbon Management Plan 2014/15 – 2019/20,
Update 2018/19**

1. Summary

- 1.1. Reducing Carbon Emissions has been one of the principle measures to address climate change and remains a key priority for all Local Authorities.
 - 1.2. The Council's Carbon Management Plan was approved by the Planning & Property Policy Board on 11th November 2014. The Plan set 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 measured to March 2019.
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2. Recommendations

- 2.1 It is recommended that the Infrastructure, Land and Environment Policy Board note the Report.
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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 Council's 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 53,515 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 and came to an end on 31st March 2019.

Renfrewshire Councils Climate Change Declaration for 2018/19 was approved at the Infrastructure, Land & Environment Policy Board on 6th November 2019.

- 3.5 Council passed a motion to declare a Climate Emergency on 27 June 2019, with a view to working towards Renfrewshire being carbon neutral by 2030.

The Cross Party Sounding Board met on 12 September 2019 to discuss the climate emergency and to agree proposals for the establishment of a Climate Emergency Working Group. Membership of the working group was subsequently agreed with the first meeting held on 24 October 2019.

A timetable of meetings and a programme of work is now underway, with a view to the recommendations of the group being reported to Council by the end March 2020.

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 (measured to March 2019) progress shows a reduction of 55.7%, considerably more than anticipated.

4.2 A full breakdown of the target is provided below:

	2012-13 Baseline	2018-19 Actual	2018-19 Actual
	CO2 Emissions (tonnes)	CO2 Emissions (tonnes)	% Reduction
Electricity (buildings)	12,505	6,362	49.1%
Gas (buildings)	14,479	7,953	45.1%
Oil (buildings)	1,735	0	100.0%
Water (buildings)	395	396	-0.3%
Transport (Council Fleet)	3,521	3,837	-9.0%
Street Lighting	7,016	1,643	76.6%
Waste	13,348	3,110	76.7%
Staff Mileage	516	380	26.4%
Total CO2 Actual	53,515	23,681	55.7%

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 majority of our larger 'consuming' properties.
2. Photovoltaic Panels have been installed on the roofs of a number of buildings. Installations have been undertaken to date at 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,	Houston PS,
St Peters PS,	Heriot PS
Williamsburgh PS,	St Charles PS,
Ralston PS,	St Marys PS,
West PS,	St Pauls PS
Inchinnan PS,	

3. Boiler upgrades have been installed at various properties including Castlehead HS, Thorn PS, St John Ogilvie PS and Kilbarchan PS with future years benefiting from the savings.

4. LED internal lighting has been installed at East Fulton PS, Houston PS, Thorn PS and Wallace PS. LED lighting is now standard specification in our re-wiring programmes.
 5. Work has been completed to replace the oil boilers at Underwood Rd with highly efficient gas boilers and additional biomass boilers will also be installed.
 6. Carbon emissions from the council's transport fleet increased on the baseline. This is partly due to an increased number of vehicles being purchased and the roll out of pool vehicles. This increase in pool cars is reflected in a reduction in CO2 attributed to staff mileage with a reduction of 68 tonnes of CO2 (18%) from the previous year.
 7. The council has achieved its target to provide 5% of its fleet from electric vehicles.
 8. 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.
 9. The council have invested on the replacement of our street lighting with energy efficient LED's. This has resulted in significant reductions in electricity consumption and carbon emissions.
- 4.4 The Carbon Management Plan and associated Actions will be delivered until completion in 2019/20. Cognisant of the Council's Climate Emergency declaration, officers are now engaged, through the Climate Change Officer Group, in preparation of proposals to be presented to the Climate Emergency Working Group early in 2020.

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** - 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
 12. **Cosla Policy Position** – None
 13. **Climate Risk** –The Carbon Management Plan helps to reduce Renfrewshire Council's carbon emissions.
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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.

Author: Craig Doogan
0141 618 6198
Craig.Doogan@renfrewshire.gov.uk