

EAST RENFREWSHIRE COUNCILCABINET14 March 2019Report by Director of EnvironmentEAST RENFREWSHIRE COUNCIL CLIMATE CHANGE REPORT 2017/18**PURPOSE OF REPORT**

1. The purpose of this report is to inform the Cabinet of the Council's 2017/18 Climate Change report which was submitted to Scottish Minister.

RECOMMENDATIONS

2. The Cabinet is asked to note the Council's 2017/18 Climate Change Report to Scottish Ministers.

BACKGROUND

3. The Climate Change (Duties of Public Bodies: Reporting Requirements) (Scotland) Order 2015 came into force on 23 November 2015. This places a duty on public bodies to report on their annual climate change impact.

REPORT

4. A copy of the Council's Climate Change report covering the period 2017/18, which has been prepared in accordance with the terms of the legislation, is provided as an Appendix to this report.

5. The 2017/18 report demonstrates that good progress is being made in terms of climate change mitigation.

6. Overall, the Council has shown a further reduction in CO₂e emissions of 6.7% against last year's emissions total. This is in excess of the Council's year on year target of 2.5%. In total the Council has reduced emissions by 3,055 tCO₂e since reporting began in 2015/16.

7. The reduction in emissions is related to the following factors:

- Non Domestic Energy Efficiency (NDEE) contract Phase 1 - This work included lighting and heating upgrades within a number of schools and nurseries. Energy cost savings of approximately £46,509 per annum was generated from this energy efficiency work;

- NDEE contract Phase 2 - This work included further lighting upgrades in offices and schools, replacement boilers at our HQ and upgrade of energy management system controls in several sites. It is anticipated that this will yield annual energy cost savings of £137,000;
- The ongoing streetlighting replacement project is estimated to save £26,000 in electricity costs as well as reducing emissions;
- The Council has also benefited from the fact that the carbon intensity of Grid electricity has reduced as more renewable generators are established;
- Business travel emissions are reduced against last year's total. This is a reduction in staff car mileage of 32,515 miles;
- Emissions related to water use has also reduced against last year. This is due to better collaboration with Scottish Water on leak detection and more efficient flush systems for school urinals.

FINANCE AND EFFICIENCY

8. There are no financial implications arising directly from this report. Climate change activity undertaken during the course of 2017/18 has been undertaken within approved capital and revenue resources.

CONSULTATION AND PARTNERSHIP WORKING

9. The Climate Change Report was compiled with collaboration from several teams across the Council. The final report was reviewed by Internal Audit before submission.

IMPLICATIONS OF THE PROPOSALS

10. There are no equalities, IT or staffing implications associated with this report.

CONCLUSIONS

11. The report demonstrates that East Renfrewshire Council continues to reduce its carbon emissions in line with stated Council targets.

RECOMMENDATIONS

12. The Cabinet is asked to note the Council's 2017/18 climate change report to Scottish Ministers.

Director of Environment

Further information can be obtained from: Phil Daws, Head of Environment (Strategic Services) phil.daws@eastrenfrewshire.gov.uk

Convener contact details

Councillor Alan Lafferty
(Convener for Environment)

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February 2019

BACKGROUND PAPERS

Climate Change (Scotland) Act 2009 Section 44 – Duties of Public Bodies.

Scottish Climate Change Adaptation Programme

Procurement Reform (Scotland) Act 2014 – Part 2, Schedule 9 – Sustainable Procurement Duties.

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PART 1: PROFILE OF REPORTING BODY

1(a) Name of reporting body

East Renfrewshire Council

1(b) Type of body

Local Government

1(c) Highest number of full-time equivalent staff in the body during the report year

3765

1(d) Metrics used by the body

Specify the metrics that the body uses to assess its performance in relation to climate change and sustainability.

Metric	Unit	Value	Comments
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			The Council does not use specific metrics to monitor environmental or carbon efficiency. It works to specified reduction targets over a period of time and achievement of strategic policy aims. This is further explained in Section 2 and 3 of this report.
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1(e) Overall budget of the body

Specify approximate £/annum for the report year.

Budget	Budget Comments
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225000000.00	Total budget for operating year 2017/18. Includes money from General Revenue Fund, Council Tax, Non Domestic Rates, Grants and Fees. Link to Annual Accounts for 2017/18 can be found here https://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=23179&p=0
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1(f) Report year

Specify the report year.

Report Year	Report Year Comments
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Financial (April to March)	
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1(g) Context

Provide a summary of the body's nature and functions that are relevant to climate change reporting.

East Renfrewshire Council (ERC) is a Unitary Local Authority located to the South West of Glasgow. It is one of the smallest Councils in Scotland with a total area of 174 km² with a constituent population of 93,800 (as of 2017). The Council area is a mixture of rural and farmed/managed land and 7 small towns of Uplawmoor, Thornliebank, Giffnock, Barrhead, Eaglesham, Neilston and Newton Mearns. The general geography of the area is low undulating land with 10 small rivers flowing through the area that drain to river Clyde. Some areas have experienced flooding in the past 10 years.

Amongst its various responsibilities the Council provides education, leisure, culture, personal care, infrastructure, planning, environmental control and housing services to its constituents. These services are either provided directly by the Council or through our contracted partner organisations. The Council works with its Community Planning Partners such as NHS and Police Scotland to ensure comprehensive planning for strategic outcomes.

PART 2: GOVERNANCE, MANAGEMENT AND STRATEGY**2(a) How is climate change governed in the body?**

Provide a summary of the roles performed by the body's governance bodies and members in relation to climate change. If any of the body's activities in relation to climate change sit arrangements (in relation to, for example, land use, adaptation, transport, business travel, waste, information and communication technology, procurement or behaviour change), identify governance arrangements.

Governance within the Council with regard to climate change is split into 3 groupings - Accountable Groups, Responsible Groups and Operational Groups. Please see the diagram uploaded to this report.

Cabinet (Accountable) - The Cabinet is East Renfrewshire Council's main decision making body; consisting of democratically elected Councillors. All Council procedure and strategy (including this document) is approved by them. They are accountable for the strategic direction and success of any climate change/ environmental objectives or strategies.

Corporate Management Team (CMT) (Accountable) - Chief Executive and the Corporate Management Team (CMT) work with the Cabinet and wider Council to provide policy advice and feedback to develop successful strategies that will deliver Council objectives in relation to climate change. CMT oversees financial, performance and risk management for the Council and reviews progress on all Council objectives with this in mind. CMT is accountable to the Cabinet for the implementation of any relevant strategies, projects or policies.

Corporate Asset Management Group (Responsible)- Includes Heads of Service and Senior Managers from across the Council with operational control over managed assets. CAMG is responsible for ensuring the individual aspects of climate change and environmental sustainability objectives are implemented at Dept. level.

Environment Partnership Group (Responsible) - Consists of a range of representatives from across Council Departments and Services. This Group will make key decisions on the implementation of climate change strategies and policies. Responsible for implementing, reviewing and reporting on relevant strategies, policies and projects.

Environment Department Management Team (Responsible) - The Environment Department Management Team includes the Director of Environment, three Heads of Service and senior managers from the Department. The Environment Department delivers a wide range of services from energy management and health and safety to planning and adaptation control. Responsible for operational control of climate change and sustainability ...

2(b) How is climate change action managed and embedded by the body?

Provide a summary of how decision-making in relation to climate change action by the body is managed and how responsibility is allocated to the body's senior staff, departmental heads etc. If any such decision-making sits outside the body's own governance arrangements (in relation to, for example, land use, adaptation, transport, business travel, waste, information and communication technology, procurement or behaviour change), identify how this is managed and how responsibility is allocated outside the body (JPEG, PNG, PDF, DOC)

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Cabinet - Considers information and issues relating to Climate Change and Sustainability including the Environmental Sustainability Strategy. Management function - Receives regular reports on implementation of climate change and environmental strategies and projects. Advise and review information where applicable.

Corporate Management Team - Responsible for high level decision making and consider and advise on climate change and environmental sustainability matters when they arise and /or have been highlighted by the Energy Efficiency and Carbon Reduction Team. Management function - Overall financial and administrative control of climate change action. Review implementation of climate change action. Approve recommendations for revision of Environmental Sustainability Strategy (ESS).

Corporate Asset Management Group - Work with Environment Dept. to put in place a functioning and successful ESS that will make a tangible impact on the emissions baseline of the Council. Management Function - Receive updates on implementation of ESS. Advise and review where applicable. Review recommendations for revisions of Strategy and assist where possible.

Environment Partnership Group - The forum for discussing and planning action to address ESS implementation, issues and problems arising and also climate change campaigns etc. Also providing information and feedback to Building Responsible Persons and ESS Coordinator. Management function - Responsibility for implementation of ESS and other climate change action. Responsibility for compiling and finalising update reports that are sent to senior management.

Energy Efficiency and Carbon Reduction Unit/ESS Coordinator - Regulating and administering key elements of this ESS and other climate change strategies and policies. Providing reports and updates to key decision makers when required. Management function - Take direction from EPG and other strategic groups that receive reports on implementation of ESS. Daily control of the implementation of the ESS. Coordinate and compile reports on ESS and other projects that will be approved by EPG. Provide updates on key projects and aspects of implementation.

Building Responsible Persons - Roll out of the Think Green campaign and other site specific responsibilities and dissemination of information to site staff. Management function - Take direction from ESS Coordinator and EPG team on key actions that need addressed in each building. Feedback information and issues on specific buildings.

2(c) Does the body have specific climate change mitigation and adaptation objectives in its corporate plan or similar document?

Provide a brief summary of objectives if they exist.

Objective	Doc Name	Doc Link
"East Renfrewshire Corporate Statement 3 ""East Renfrewshire is a thriving attractive and sustainable place to live and do business""	East Renfrewshire Council Corporate Statement.	http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=11525&p=0
ODP Outcome 3.2: East Renfrewshire is a great place to live with a good physical environment.	Outcome Delivery Plan 2017 - 2020	http://www.eastrenfrewshire.gov.uk/odp
ODP Outcome 3.3: The Council and its resident's environmental impact is minimised	Outcome Delivery Plan 2017 - 2020	http://www.eastrenfrewshire.gov.uk/odp

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Environmental Sustainability Strategy - Vision: East Renfrewshire is a thriving, attractive and sustainable place where environmental impacts are minimised.	East Renfrewshire Council Environmental Sustainability Strategy 2015 - 2018	http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=13941&p=0
Environmental Sustainability Action Plan 2013- 2018. This document is the corresponding Action Plan to the Environmental Sustainability Strategy. This contains and list of benchmarks and projects to be undertaken in order to achieve stated reduction targets over the course of the Strategy phase.	East Renfrewshire Council Environmental Sustainability Action Plan 2015 - 2018	http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=13942&p=0

2(c) Does the body have specific climate change mitigation and adaptation objectives in its corporate plan or similar document?

Provide a brief summary of objectives if they exist.

Objective	Doc Name	Doc Link
East Renfrewshire Council Corporate Statement - East Renfrewshire is a thriving attractive and sustainable place for residents and business to grow. This takes into account landscape and habitat conservation, low carbon transport action and waste reduction.	East Renfrewshire Council Corporate Statement 2013 - 2017/18	http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=11525&p=0

2(d) Does the body have a climate change plan or strategy?

If yes, provide the name of any such document and details of where a copy of the document may be obtained or accessed.

Yes, the Council has an Environmental Sustainability Strategy and corresponding Action Plan The Strategy and Action Plan are listed below

with links to each: Strategy - <http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=13941&p=0>

2(e) Does the body have any plans or strategies covering the following areas that include climate change?

Provide the name of any such document and the timeframe covered.

Topic area	Name of document	Link	Time period covered	Comments
Adaptation	Local Development Plan	http://www.eastrenfrewshire.gov.uk/local-development-plan	LDP 2015 - 2025	LDP was adopted in 2015 and provides information on how the Council will approach all planning decisions and issues which affect the built and natural environment.
	Strategic Environmental Assessment	http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=14120&p=0	SEA 2015	SEA, supports and provides additional information to LDP post adoption.
	State of Environment Report	http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=18430&p=0	SER 2016	SER covers all environmental and wider issues related to Council responsibilities

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Business travel	Environmental Sustainability Strategy	http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=13942&p=0	ESS 2015 - 2018	There is no specific plan in relation to business travel. Instead the Council uses its Think Green campaign to promote sustainable travel choices.
Staff Travel	Active Travel Plan	http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=15984&p=0	ATP 2016 - onwards	Covers sustainable travel in relation to entire Council area.

2(e) Does the body have any plans or strategies covering the following areas that include climate change?

Provide the name of any such document and the timeframe covered.

Topic area	Name of document	Link	Time period	Comments
Energy efficiency	Environmental Sustainability Strategy	http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=13941&p=0	ESS 2015 - 2018	Final operational year of these documents. Strategy details approach. ESAP details targets and objectives.
	Environmental Sustainability Action Plan	http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=13942&p=0	ESAP 2015 - 2018	
Fleet transport	Occupational Road Risk Register	Document can be provided on request but is not available on public pages of the Council website	ORRR 2013 - ongoing	Includes information on driver training and therefore has relevance to this report.
Information and communication technology	Business Continuity Framework	http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=13542&p=0	going	Operated on behalf of the Council by the Civil Contingency Service. Focuses on security of information, risk avoidance and continuity of digital services within the Council and to residents. Supports the continual online provision of all services and strategies that the Council

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Renewable energy	Environmental	http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=13942&p=0	ESS - 2015 - 2018	There is no specific strategy for the implementation of renewable energy generation within the Council. Instead, the Council uses existing Environmental and Supplementary Planning Strategies to ensure that all renewable projects are given thorough consideration.
	Sustainability Strategy	http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=13942&p=0	ESAP	
	Environmental	http://www.eastrenfrewshire.gov.uk/local-development-plan	2015 - 2018	
	Sustainability Action Plan	http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=18148&p=0	LDP 2015 - 2025	
Sustainable/renewable heat	Environmental Sustainability Strategy	http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=13942&p=0	ESS 2015 - 2018	The Council is considering this through the creation of its Local Development Plan version 2 and through consideration of the Energy Efficiency Route Map guidance published by the Scottish Government. As with the previous year's report - Supplementary Planning Guidance is still underway.
	Local Development Plan	http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=14792&p=0	LDP 2015 - 2025	
Waste management	Zero Waste Plan	http://www.gov.scot/Resource/Doc/314168/0099749.pdf	ZWP	East Renfrewshire council offers a range of waste and recycling services, and take this seriously by supporting the implementation of the Scottish Government's Zero Waste Plan. This will be achieved by continuing to undertake a range of work supporting resource efficiency, waste minimisation and recycling measures. Further work has been done during this year to audit Council sites in order to assess appropriate provision for recycling.
	Environmental Sustainability	http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=13941&p=0	On	
	Strategy Environmental	http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=13942&p=0	going	

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2(e) Does the body have any plans or strategies covering the following areas that include climate change?				
Provide the name of any such document and the timeframe covered.				
Topic area	Name of document	Link	Time period covered	Comments
Water and sewerage	Environmental Sustainability	http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=13941&p=0	ESS 2015 - 2018	No specific strategy for water and sewerage. Management, planning and remediation are contained within a variety of documents.
	Strategy Local Development Plan	http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=14792&p=0	LDP 2015 - 2025	
	Strategic Environmental			
	Assessment State of Environment	http://www.eastrenfrewshire.gov.uk/local-development-plan	SEA 2015	
	Report Contaminated Land	http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=18430&p=0	CLS On-going	
	Strategy	http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=1212&p=0		
Land Use	Local Development Plan	http://www.eastrenfrewshire.gov.uk/local-development-plan	LDP 2015 - 2025	In addition to documentation previously mentioned, ERC also has a Contaminated Land Strategy and Housing Land Audit. The Land Audit is updated on an annual basis and is currently under preparation for 2018 report.
	Strategic Environmental	http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=14120&p=0	SEA 2015	
	Assessment State of			
	Environment Report	http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=18430&p=0	SER 2016	
	Contaminated Land Strategy	http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=1212&p=0	CLS	
	Housing Land Audit	http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=21371&p=0	On-going	
Other (state topic area)	N/A	N/A	N/A	N/A

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2(f) What are the body's top 5 priorities for climate change governance, management and strategy for the year ahead?

Provide a brief summary of the body's areas and activities of focus for the year ahead.

The top 5 priorities for the year ahead are as follows

1. Ratification and implementation of the new Environmental Sustainability Strategy in 2018/19.
2. Ratification and implementation of the new Adaptation Strategy in 2018/19.
3. Create an Energy Management Manual as a reference and project management tool for relevant staff.
4. Continue with implementation of Non Domestic Energy Efficiency Framework with Phase 3 project.
5. Workshop and presentation with Corporate Asset Management Group to ensure full collaboration with senior management team on environmental sustainability.

2(g) Has the body used the Climate Change Assessment Tool(a) or equivalent tool to self-assess its capability / performance?

If yes, please provide details of the key findings and resultant action taken.

The Council has not used the Climate Change Assessment Tool in the period of time covered by this report.

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2(h) Supporting information and best practice

Provide any other relevant supporting information and any examples of best practice by the body in relation to governance, management and strategy.

Successful implementation of Phase 1 of Non Domestic Energy Efficiency NDEE framework which saw Matrix (our framework contractor) implement lighting upgrades and several sites throughout the Council is now complete. This will provide the Council with guaranteed energy and cost savings from a range of lighting and energy efficiency projects.

Successful implementation of Phase 2 of NDEE framework which saw Matrix implement lighting, heating system, heating controls, ventilation and insulation upgrades to several sites across its portfolio.

New Environmental Sustainability Strategy has been created and is in the process of going through Cabinet approval. New Adaptation Strategy has been created and is in the process of going through Cabinet approval.

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Part 3 – Corporate Emissions

3a Emissions from start of the year which the body uses as a baseline (for its carbon footprint) to the end of the report year							
Reference Year	Year	Scope1	Scope2	Scope3	Total	Units	Comments
Baseline carbon footprint	2015/16	9213	11325	833	21371	tCO ₂ e	This figure varies from the total provided for 2015/16 in the last reporting period. This is due to a reassessment of waste totals taking into account waste arisings from Council sites only and inclusion of corporate travel data. This is a more accurate reflection of the Council's corporate impact.
Year 1 carbon footprint	2016/17	9001.87	9809.05	811.23	19622	tCO ₂ e	No comment
Year 2 carbon footprint	2017/18	9604.48	7169.08	1542.48	18316	tCO ₂ e	No comment

3b Breakdown of									
Total	Comments	Emission source	Scope	Consumption data	Units	Emission factor	Units	Emissions (tCO ₂ e)	Comments
		Grid Electricity (generation)	Scope 2	20392192	kWh	0.35156	kg CO ₂ e/kWh	7169.1	Data provided by STC bureau service. Includes all non domestic and pseudo half hourly (street lighting) supply.
		Grid Electricity (transmission & distribution losses)	Scope 3	20392192	kWh	0.03287	kg CO ₂ e/kWh	670.3	Data provided by STC bureau service. Includes all non domestic and pseudo half hourly (street lighting) supply.
		Natural Gas	Scope 1	42472419	kWh	0.1841639 89077374	kg CO ₂ e/kWh	7821.9	Data provided by STC bureau service. Uplift in consumption is consistent with adverse weather conditions experienced in January and February 2018. In addition request by Education Dept for increased boiler run time during this period in response to controls upgrade issues experienced.

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	Gas Oil	Scope 1	106673 litres	2.9535052 6301928	kg CO2e/litre	315.1	Data provided by Transport Team. Use of Gas Oil in Council gardening, street cleaning and other machinery.
	Diesel (average biofuel blend)	Scope 1	564399 litres	2.6001627 1124822	kg CO2e/litre	1467.5	Data provided by Transport Team. Takes into account fuel used in Council owned and long term leased fleet. Includes 11,173 litres of adblue diesel due to category being unavailable in emission source.
	Water - Supply	Scope 3	132927 m3	0.344	kg CO2e/m3	45.7	Data provided by STC bureau service
	Water - Treatment	Scope 3	126280 m3	0.708	kg CO2e/m3	89.4	Calculated using sector agreed CF&PR factor of 95% of total usage. This figure is based on data provided by STC bureau service.
	Average Car - Unknown Fuel	Scope 3	798958 miles	0.29357	kg CO2e/mile	234.6	Based on payroll report - travel mileage allowance with total payment to staff of £314,613.15 and a conversion factor of 40p per mile reported.
	Rail (National rail)	Scope 3	110116 passenger km	0.04678	kg CO2e/passenger km	5.2	Based on CF&PR standard conversion of 0.1444 for passenger km from total expenses claim.
	Refuse Municipal to Landfill	Scope 3	828.6 tonnes	588.90625 7787832	kg CO2e/tonne	488.0	Based on waste totals provided by Refuse Team. Assumes 4% of totals attributed to corporate waste arisings.
	Mixed recycling	Scope 3	326 tonnes	21.76	kg CO2e/tonne	7.1	Based on waste totals provided by Refuse Team. Assumes 4% of totals attributed to corporate waste arisings.

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	Organic Food & Drink Composting	Scope 3	382 tonnes	6 kg CO2e/tonne	2.3	Based on waste totals provided by Refuse Team. Assumes 4% of totals attributed to corporate waste arisings.
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3c Generation, consumption and export of renewable energy

Technology	Renewable Electricity		Renewable Heat		Comments
	Total consumed by the organisation (kWh)	Total exported (kWh)	Total consumed by the organisation (kWh)	Total exported (kWh)	
Other	0	0	0	0	The Council has not generated or consumed any reportable renewable energy in this reporting year.

3d Targets

Name of Target	Type of Target	Target	Units	Boundary/scope of Target	Progress against target	Year used as baseline	Baseline figure	Units of baseline	Target completion year	Comments
Total CO2e reduction	percentage	2.5	tCO2e reduction	All emissions	6.7	2016/17	19622.2	tCO2e	2017/18	The target is year on year and so the 6.7% reduction has been calculated as a reduction against the emissions total for 2016/17.

3e Estimated total annual carbon savings from all projects implemented by the body in the report year

Total	Emissions Source	Total estimated annual carbon savings (tCO2e)	Comments
1306.00	Electricity	1970	Comparison against 2016/17 figures. Attributed to NDEE Phase 1 (electricity projects only saving 187 tCO2e) and Phase 2. In addition electricity savings derived from on-going street lighting replacement.

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Natural gas	-499	Comparison against 2016/17 figures. Related to severe winter weather in January and February 2018. Additional requests from Education Dept to extend heating system run hours due to controls upgrade issues during the
Other heating fuels	0	No other heating fuels used in this reporting year.
Waste	-99	Comparison against 2016/17 figures show and overall tonnage reduction. Increase related to carbon conversion factor increase for landfilled waste.
Water and	22	Comparison against 2016/17 figures.
Business Travel	16	Comparison against 2016/17 figures.
Fleet transport	-104	Comparison against 2016/17 figures. Related to severe winter weather in January and February 2018 which required increase in ploughing and gritting patrols.
Other (specify	0	N/A

3f Detail the top 10 carbon reduction projects to be carried out by the body in the report year

Project name	Funding source	First full year of CO2e savings	Are these savings figures estimated or actual?	Capital cost (£)	Operational cost (£/annum)	Project lifetime (years)	Primary fuel/emission source saved	Estimated carbon savings per year (tCO2e/annum)	Estimated costs savings (£/annum)	Behaviour Change	Comments
NDEE - BEMS upgrade	East Renfrewshire Council	2018/19	Estimated	86239	400	7	Natural Gas	192.5	33,434	Information to relevant staff on start up and shut down times. No ISM included.	Primary gas saving of 167.5 tCO2e.
NDEE - BEMS optimisation	East Renfrewshire Council	2018/19	Estimated	13938	400	7	Natural Gas	11.3	2,226	Information to relevant staff on start up times and shut down times. No ISM included.	Primary gas saving of 6.7 tCO2e Secondary

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NDEE - VSD installation	East Renfrewshire Council	2018/19	Estimated	2518	0	7	Grid Electricity	5	1,083	Automated technology. No behaviour change required.	Electricity savings only. Data taken from IGA proposal by Matrix
NDEE - Pipe lagging	East Renfrewshire Council	2018/19	Estimated	10837	0	7	Natural Gas	9.6	1,576	"Fit and forget" measure. No behaviour change information	Gas savings only. Data taken from IGA proposal by Matrix.
NDEE - Internal lighting	East Renfrewshire Council	2018/19	Estimated	396616	0	7	Grid Electricity	284	70,035	Information to staff on lighting levels.	Electricity savings only. Data taken from IGA proposal by Matrix
NDEE - External lighting	East Renfrewshire Council	2018/19	Estimated	49746	0	7	Grid Electricity	59.6	14,672	No behaviour change aspect required.	Electricity savings only. Data taken from IGA proposal by Matrix
NDEE - Air Handling Unit upgrade	East Renfrewshire Council	2018/19	Estimated	21450	0	7	Natural Gas	10.4	1,978	Technical training for relevant staff. No ISM conducted.	Primary gas savings of 7
NDEE - Boiler implementation	East Renfrewshire Council	2018/19	Estimated	103524	0	7	Natural Gas	42	6,875	Technical training for relevant staff.	Gas savings only. Data taken from IGA proposal by Matrix
NDEE - Air Source Heat Pump installation	East Renfrewshire Council	2018/19	Estimated	151944	0	7	Grid Electricity	24.3	4,783	Technical training for relevant staff.	Electricity savings only. Data taken from IGA proposal by Matrix

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Street lighting retrofit	East Renfrewshire Council	2017/18	Estimated	0	0	10	Grid Electricity	272	26,410	"Fit and forget technology". Not training required. No ISM conducted.	Savings calculated from STC data for unmet demand supply.
Water efficiency project (1 of 2)	East Renfrewshire Council	2018/19	Estimated	16500	0	3	Water - Supply	5	14934	No behaviour change aspects at this involves flush sensors and	Installation of water efficiency measures at education sites by Anglian Water (Wave) using Scottish Government Framework
Water efficiency project (2 of 2)	East Renfrewshire Council	2018/19	Estimated	16500	0	3	Water - Treatment	10	14934	No behaviour change aspects at this involves flush sensors and automation technology	Please see description above. This entry relates to savings incurred through water treatment as opposed to supply.

3g Estimated decrease or increase in the body's emissions attributed to factors (not reported elsewhere in this form) in the report year					
Total	Emissions source	Total estimated annual emissions (tCO2e)	Increase or decrease emissions	or in	Comments
233.00	Estate changes	233	Increase		2017/18 - Opening of new Barrhead High, Joint Faith Campus and Arthurlie Family Centre.
	Service provision				Not relevant to emissions reduction/increase in the reporting year.

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	Staff numbers		Not relevant to emissions reduction/increase in the reporting year.
	Other (specify in comments)		Not relevant to emissions reduction/increase in the reporting year.

3h Anticipated annual carbon savings from all projects implemented by the body in the year ahead			
Total	Source	Saving	Comments
638.00	Electricity	405	Full year savings from NDEE Phase 2 as implemented in this reporting year and listed in question 3F
	Natural gas	233	Full year savings from NDEE Phase 2 as implemented in this reporting year and listed in question 3F.
	Other heating fuels	0	N/A
	Waste	0	N/A
	Water and sewerage	0	N/A
	Business Travel	0	N/A
	Fleet transport	0	N/A
	Other (specify in		N/A

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3i Estimated decrease or increase in the body's emissions attributed to factors (not reported elsewhere in this form) in the year ahead					
Total	Emissions source	Total estimated annual emissions (tCO2e)	Increase or decrease emissions	or in	Comments
10.50	Estate changes	10.5	Increase		Opening of Busby Nursery School in Financial Year 18/19.
	Service provision				Not relevant to emissions reduction/increase in the year ahead.
	Staff numbers				Not relevant to emissions reduction/increase in the year ahead.
	Other (specify in comments)				N/A

3j Total carbon reduction project savings since the start of the year which the body uses as a baseline for its carbon footprint	
If the body has data available, estimate the total emissions savings made from projects since the start of that year ("the baseline year").	
Total	Comments
1306	Based on savings against FY 2016/17.

Part 4 - Adaptation**4(a) Has the body assessed current and future climate-related risks?**

If yes, provide a reference or link to any such risk assessment(s).

Yes the Council has assessed current and future climate risk within the following Council Plans and Strategies:

Local Development Plan - Strategic document detailing how the Council approached planning issues. The Plan is concerned primarily with land, development and infrastructure and the provision of high quality attractive buildings and places. The Plan will shape the investment plans and allocation of resources of the Council and other public, voluntary and private sector organisations. Together with the Glasgow and Clyde Valley Strategic Development Plan, the Local Development Plan will form the Development Plan for this area against which planning applications are determined. <http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=14792&p=0>

Local Development Plan; Main Issues Report - Highlights key issues that require planning activity and agreement and assesses the outcome of planning decisions and approached on these issues and is used to inform further iterations of the LDP.

State of the Environment Report - Assesses key trends in improvement or decline in 9 key subjects relevant to Council performance. The intention is for this report to form the foundation of strategic environmental assessments undertaken for the Local Development Plan 2 and any supporting documents. However, given the wide range in subjects it may also prove useful for strategic environmental assessments being undertaken by other sections of the Council. <http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=18430&p=0>

Strategic Environmental Assessment - Supports the Local Development Plan in assessing the environmental impact of planning issues and process and also how environmental impact should be addressed through planning. <http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=14120&p=0>

Corporate Risk Register - Contains reference to the risks associated with physical impact on the environment in relation to climate change and also reputation through non compliance with climate change and environmental legislation.

Civil Contingency Plan - Contains strategic approach to dealing with and mitigating the effects of extreme weather events in the Council area. Operated by the Civil Contingency Service of which, East Renfrewshire Council is a partner organisation.

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4(b) What arrangements does the body have in place to manage climate-related risks?

Provide details of any climate change adaptation strategies, action plans and risk management procedures, and any climate change adaptation policies which apply across the body.

The following Strategies (as listed above) provide a framework approach to assessing and taking action on adaptation:

Local Development Plan - Strategic document detailing how the Council approached planning issues. The Plan is concerned primarily with land, development and infrastructure and the provision of high quality attractive buildings and places. The Plan will shape the investment plans and allocation of resources of the Council and other public, voluntary and private sector organisations. Together with the Glasgow and Clyde Valley Strategic Development Plan, the Local Development Plan will form the Development Plan for this area against which planning applications are determined. <http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=14792&p=0>

LDP1 Contains several policies which support adaptation (not exhaustive): Policy D3 - Green Belt and Countryside Around Towns

Policy D4 - Green Network

Policy D5 - Protection Urban Greenspace

Policy D7 - Green Infrastructure and Open Space Provision within

New Development Policy D8 - Natural Features

Policy D9 - Protection of Outdoor

Access Policy D10 -

Environmental Projects

Policy D11 - Management and Protection of

Built Heritage Policy D12 - New Conservation Areas

Policy SG2 - Distribution of New

Housing Policy E3 - Water

Environment

Policy E4 - Flooding

Policy E5 - Surface Water Drainage and Water Quality

Local Development Plan; Main Issues Report - Highlights key issues that require planning activity and agreement and assesses the outcome of planning decisions and approached on these issues that need to be addressed in relation to LDP2.

State of the Environment Report - Assesses key trends in improvement or decline in 9 key subjects relevant to Council performance. The intention is for this report to form the foundation of strategic environmental assessments undertaken for the Local Development Plan 2 and any supporting documents. However, given the wide range in subjects it may also prove useful for strategic environmental assessments being undertaken by other sections of the Council. <http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=18430&p=0>

Public Sector Climate Change Duties 2018 Summary Report: East Renfrewshire Council**4(c) What action has the body taken to adapt to climate change?**

Include details of work to increase awareness of the need to adapt to climate change and build the capacity of staff and stakeholders to assess risk and implement action.

The Council has taken the following steps to adapt to climate change -

Strategy - The Council is in the process on completing its first Adaptation Strategy in accordance with the 5 Step Process guidance from

Adaptation Scotland. Maintenance - The Council's Property and Technical Service team manage all scheduled and reactive maintenance for buildings.

Planning - The Council's Local Development Plan and associated policies dictate how the Council makes decisions on construction on building and infrastructure based on appropriate locations.

Partnership working - We work in partnership with a range of organisations in relation to adaptation via our Civil Contingency Service and Community Planning Partnership.

Civil contingency - Our civil contingency planning is part of a shared service between Renfrewshire, Inverclyde and West Dunbartonshire Councils. The Civil Contingency Service creates and oversees all written planning and preparatory work that the Council has agreed to enact in the case of a rapid onset event such as severe weather. This includes the Service providing practical coordination between partnership organisations and adjoining Councils in order to provide a unified response for the protection of people and infrastructure. For more information please see <http://www.renfrewshire.gov.uk/ccs>

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4(d) Where applicable, what progress has the body made in delivering the policies and proposals referenced N1, N2, N3, B1, B2, B3, S1, S2 and S3 in the Scottish Climate Change Adaptation Programme(a) ("the Programme")?					
If the body is listed in the Programme as a body responsible for the delivery of one or more policies and proposals under the objectives N1, N2, N3, B1,B2, B3, S1, S2 and S3, provide details of the progress made by the body in delivering each policy or proposal in the report year. If it is not responsible for delivering any policy or proposal under a particular objective enter "N/A" in the 'Delivery progress made' column for that objective.					
(a) This refers to the programme for adaptation to climate change laid before the Scottish Parliament under section 53(2) of the Climate Change (Scotland) Act 2009 (asp 12) which currently has effect. The most recent one is entitled "Climate Ready Scotland: Scottish Climate Change Adaptation Programme" dated May 2014.					
Objective	Objective reference	Theme	Policy / Proposal	Delivery progress made	Comments
Understand the effects of climate change and their impacts on the natural environment.	N1	Natural Environment	N1-1	N/A	Not applicable to East Renfrewshire Council
			N1-2	N/A	Not applicable to East Renfrewshire Council
Understand the effects of climate change and their impacts on the natural environment.	N1	Natural Environment	N1-3	N/A	Not applicable to East Renfrewshire Council
			N1-4	N/A	Not applicable to East Renfrewshire Council
			N1-5	N/A	Not applicable to East Renfrewshire Council
			N1-6	N/A	Not applicable to East Renfrewshire Council
Understand the effects of climate change and their impacts on the natural environment.	N1	Natural Environment	N1-7	N/A	Not applicable to East Renfrewshire Council
			N1-8	Applicable only to relevant local authorities with coastal and estuarine areas.	This policy refers to coastal flooding and although is relevant to local authorities is not applicable to East Renfrewshire Council as an inland area.
			N1-9	N/A	Not applicable to East Renfrewshire Council

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			N1-10	Flood Risk Management Plan has been prepared by lead Authority (Glasgow City Council). This is one of 14 regional strategies prepared for Scotland and overseen by SEPA. These local plans will supplement, and be consistent with, SEPA's strategy but will set out the proposed local coordination arrangements for the selected actions, as well as how they will be programmed and funded.	Access documentation here - https://www.glasgow.gov.uk/index.aspx? articleid=19470 ERC information on flood risk management - https://www.eastrenfrewshire.gov.uk/Flood-Risk-Management-Plans
			N1-11	N/A	Not applicable to East Renfrewshire Council
			N1-12	N/A	Not applicable to East Renfrewshire Council
			N1-13	N/A	Not applicable to East Renfrewshire Council
			N1-14	N/A	Not applicable to East Renfrewshire Council

Objective	Objective reference	Theme	Policy / Proposal	Delivery progress made	Comments
Support a healthy and diverse natural environment with capacity to adapt.	N2	Natural Environment	N2-1	N/A	Not applicable to East Renfrewshire Council
			N2-2	Green Infrastructure intentions included in Local Development Plan - Section 5 Place Making and Design.	Access document here: http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=14792&p=0 All information related to planning can be accessed here - https://www.eastrenfrewshire.gov.uk/localplan
			N2-3	N/A	Not applicable to East Renfrewshire Council
			N2-4	N/A	Not applicable to East Renfrewshire Council
			N2-5	N/A	Not applicable to East Renfrewshire Council
Support a healthy and diverse	N2	Natural	N2-6	N/A	Not applicable to East Renfrewshire Council

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natural environment with capacity to adapt.		Environment	N2-7	Not specifically related to East Renfrewshire Council responsibility but general information is given on common invasive plants that are problematic to infrastructure and well-being.	Web pages available here - https://www.eastrenfrewshire.gov.uk/article/3732/Invasive-Plants
			N2-8	N/A	Not applicable to East Renfrewshire Council
			N2-9	N/A	Not applicable to East Renfrewshire Council
			N2-10	N/A	Not applicable to East Renfrewshire Council
Support a healthy and diverse natural environment with capacity to adapt.	N2	Natural Environment	N2-11	Green network information included in Local Development Plan - Section 5 Place Making and Design.	Access documentation here: http://www.eastrenfrewshire.gov.uk/CHttpH.andler.ashx?id=14792&p=0
			N2-12	N/A	Not applicable to East Renfrewshire Council
			N2-13	N/A	Not applicable to East Renfrewshire Council
			N2-14	N/A	Not applicable to East Renfrewshire Council
			N2-15	N/A	Not applicable to East Renfrewshire Council
Support a healthy and diverse natural environment with capacity to adapt.	N2	Natural Environment	N2-16	N/A	Not applicable to East Renfrewshire Council
			N2-17	River basin Management Plan lead by Glasgow City Council. East Renfrewshire Council also conducts watercourse inspections.	Access documentation here: https://www.glasgow.gov.uk/index.aspx?articleid=19470 http://www.eastrenfrewshire.gov.uk/Flood-Risk-Management-Plans
			N2-18	Local Flood Risk Plan lead by Glasgow City Council.	Access documentation here: https://www.glasgow.gov.uk/index.aspx?articleid=19470
			N2-19	N/A	Not applicable to East Renfrewshire Council
			N2-20	N/A	This policy refers to coastal management and processes and although is relevant to local authorities is not applicable
Support a healthy and diverse natural environment with capacity to adapt.	N2	Natural Environment	N2-21	N/A	Not applicable to East Renfrewshire Council
			N2-22	N/A	Not applicable to East Renfrewshire Council
			N2-23	N/A	Not applicable to East Renfrewshire Council

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Sustain and enhance the benefits, goods and services that the natural environment provides.	N3	Natural Environment	N3-1	N/A	Not applicable to East Renfrewshire Council
			N3-2	N/A	Not applicable to East Renfrewshire Council
Sustain and enhance the benefits, goods and services that the natural environment provides.	N3	Natural Environment	N3-3	N/A	Not applicable to East Renfrewshire Council
			N3-4	N/A	Not applicable to East Renfrewshire Council
			N3-5	N/A	Not applicable to East Renfrewshire Council
			N3-6	N/A	Not applicable to East Renfrewshire Council
			N3-7	N/A	Not applicable to East Renfrewshire Council
Sustain and enhance the benefits, goods and services that the natural environment provides.	N3	Natural Environment	N3-8	N/A	Not applicable to East Renfrewshire Council
			N3-9	N/A	Not applicable to East Renfrewshire Council
			N3-10	N/A	Not applicable to East Renfrewshire Council
			N3-11	N/A	Not applicable to East Renfrewshire Council
Sustain and enhance the benefits, goods and services that the natural environment provides.	N3	Natural Environment	N3-12	N/A	Not applicable to East Renfrewshire Council
			N3-13	N/A	Not applicable to East Renfrewshire Council
			N3-14	N/A	Not applicable to East Renfrewshire Council
			N3-15	N/A	Not applicable to East Renfrewshire Council
			N3-16	N/A	Not applicable to East Renfrewshire Council
			N3-17	N/A	Not applicable to East Renfrewshire Council

Objective	Objective reference	Theme	Policy / Proposal	Delivery progress made	Comments
Understand the effects of climate change and their impacts on buildings and infrastructure networks.	B1	Buildings and infrastructure networks	B1-1	N/A	Not applicable to East Renfrewshire Council
			B1-2	N/A	Not applicable to East Renfrewshire Council
			B1-3	N/A	Not applicable to East Renfrewshire Council
			B1-4	N/A	Not applicable to East Renfrewshire Council
			B1-5	N/A	Not applicable to East Renfrewshire Council
Understand the effects of climate change and their impacts on	B1	Buildings and infrastructure networks	B1-6	N/A	Not applicable to East Renfrewshire Council
			B1-7	N/A	Not applicable to East Renfrewshire Council

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buildings and infrastructure networks.			B1-8	N/A	Not applicable to East Renfrewshire Council
			B1-9	N/A	Not applicable to East Renfrewshire Council
			B1-10	N/A	Not applicable to East Renfrewshire Council
Understand the effects of climate change and their impacts on buildings and infrastructure networks.	B1	Buildings and infrastructure networks	B1-11	N/A	Not applicable to East Renfrewshire Council
			B1-12	N/A	Not applicable to East Renfrewshire Council
			B1-13	Flood Risk Management Plan has been prepared by lead Authority (Glasgow City Council). Local plans will supplement, and be consistent with, SEPA's strategy but will set out the proposed local coordination arrangements for the selected actions, as well as how they will be programmed and funded.	Access documentation here on Glasgow City Council pages here - https://www.glasgow.gov.uk/index.aspx?articleid=19470 Plan Document here - https://www.glasgow.gov.uk/CHttpHandler.ashx?id=33977&p=0
			B1-14	N/A	Not applicable to East Renfrewshire Council
			B1-15	N/A	Not applicable to East Renfrewshire Council
Understand the effects of climate change and their impacts on buildings and infrastructure networks.	B1	Buildings and infrastructure networks	B1-16	N/A	Not applicable to East Renfrewshire Council
			B1-17	N/A	Not applicable to East Renfrewshire Council
			B1-18	N/A	Not applicable to East Renfrewshire Council
			B1-19	Local Development Plan - Section 7	Access documentation here: http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=14792&p=0
Provide the knowledge, skills and tools to manage climate change impacts on buildings and infrastructure.	B2	Buildings and infrastructure networks	B2-1	N/A	Not applicable to East Renfrewshire Council
Provide the knowledge, skills and tools to manage climate change impacts on buildings and infrastructure.	B2	Buildings and infrastructure networks	B2-2	N/A	Not applicable to East Renfrewshire Council
			B2-3	N/A	Not applicable to East Renfrewshire Council
			B2-4	N/A	Not applicable to East Renfrewshire Council
			B2-5	N/A	Not applicable to East Renfrewshire Council
			B2-6	N/A	Not applicable to East Renfrewshire Council

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Provide the knowledge, skills and tools to manage climate change impacts on buildings and infrastructure.	B2	Buildings and infrastructure networks	B2-7	N/A	Not applicable to East Renfrewshire Council
			B2-8	N/A	Not applicable to East Renfrewshire Council
			B2-9	N/A	Not applicable to East Renfrewshire Council
			B2-10	N/A	Not applicable to East Renfrewshire Council
			B2-11	N/A	Not applicable to East Renfrewshire Council
Provide the knowledge, skills and tools to manage climate change impacts on buildings and infrastructure.	B2	Buildings and infrastructure networks	B2-13	N/A	Not applicable to East Renfrewshire Council
			B2-14	N/A	Not applicable to East Renfrewshire Council
			B2-15	N/A	Not applicable to East Renfrewshire Council
			B2-16	N/A	Not applicable to East Renfrewshire Council
			B2-17	N/A	Not applicable to East Renfrewshire Council
Provide the knowledge, skills and tools to manage climate change impacts on buildings and infrastructure.	B2	Buildings and infrastructure networks	B2-18	N/A	Not applicable to East Renfrewshire Council
			B2-19	N/A	Not applicable to East Renfrewshire Council
			B2-20	N/A	Not applicable to East Renfrewshire Council
			B2-21	N/A	Not applicable to East Renfrewshire Council
			B2-22	N/A	Not applicable to East Renfrewshire Council

Objective	Objective reference	Theme	Policy / Proposal	Delivery progress made	Comments
Increase the resilience of buildings and infrastructure networks to sustain and enhance the benefits and services provided.	B3	Buildings and infrastructure networks	B3-1	N/A	Not applicable to East Renfrewshire Council
			B3-2	Guidance on sustainable flood risk management is contained in Local Development Plan - Section 7	Access documentation here: http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=14792&p=0
			B3-3	Relevant guidance and information in Local Development Plan - all Sections. Main Issues Report - Supporting documentation leading to LDP2 Supplementary Planning Guidance for key areas of development in the Council	Access documentation here: http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=14792&p=0 http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=18565&p=0 http://www.eastrenfrewshire.gov.uk/spg
			B3-4	N/A	Not applicable to East Renfrewshire Council

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			B3-5	N/A	Not applicable to East Renfrewshire Council
Increase the resilience of buildings and infrastructure networks to sustain and enhance the benefits and services provided.	B3	Buildings and infrastructure networks	B3-6	East Renfrewshire Council has teamed up with Home Energy Scotland to work together to combat fuel poverty and to help more local residents make their	Further information here: http://www.eastrenfrewshire.gov.uk/article/4560/Helping-to-combat-fuel-poverty
			B3-7	Local Housing Strategy states that SHQS will be met and maintained till EESSH Standards are fully in force	Access documentation here: http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=7624&p=0
			B3-8	Local Housing Strategy states that SHQS will be met and maintained till EESSH Standards are fully in force	Access documentation here: http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=7624&p=0
			B3-9	N/A	Not applicable to East Renfrewshire Council
			B3-10	N/A	Not applicable to East Renfrewshire Council
Increase the resilience of buildings and infrastructure networks to sustain and enhance the benefits and services	B3	Buildings and infrastructure networks	B3-11	N/A	Not applicable to East Renfrewshire Council
			B3-12	N/A	Not applicable to East Renfrewshire Council
			B3-13	N/A	Not applicable to East Renfrewshire Council
			B3-14	N/A	Not applicable to East Renfrewshire Council
			B3-15	N/A	Not applicable to East Renfrewshire Council
			B3-16	N/A	Not applicable to East Renfrewshire Council

Objective	Objective reference	Theme	Policy / Proposal	Delivery progress made	Comments
Understand the effects of climate change and their impacts on people, homes and communities.	S1	Society	S1-1	N/A	Not applicable to East Renfrewshire Council
			S1-2	N/A	Not applicable to East Renfrewshire Council
			S1-3	N/A	Not applicable to East Renfrewshire Council
			S1-4	N/A	Not applicable to East Renfrewshire Council
			S1-5	N/A	Not applicable to East Renfrewshire Council
			S1-6	N/A	Not applicable to East Renfrewshire Council
			S1-7	N/A	Not applicable to East Renfrewshire Council
Objective	Objective reference	Theme	Policy / Proposal	Delivery progress made	Comments
Increase the awareness of the impacts of climate change to enable people to	S2	Society	S2-1	N/A	Not applicable to East Renfrewshire Council
			S2-2	N/A	Not applicable to East Renfrewshire Council
			S2-3	N/A	Not applicable to East Renfrewshire Council

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adapt to future extreme weather events.			S2-4	N/A	Not applicable to East Renfrewshire Council
			S2-5	Work in this area carried out by Community Planning Partnership with supporting information from Ready Scotland	http://www.eastrenfrewshire.gov.uk/communityplanning http://www.readyscotland.org/
Increase the awareness of the impacts of climate change to enable people to adapt to future extreme weather events.	S2	Society	S2-6	N/A	Not applicable to East Renfrewshire Council
			S2-7	N/A	Not applicable to East Renfrewshire Council
			S2-8	N/A	Not applicable to East Renfrewshire Council
			S2-9	N/A	Not applicable to East Renfrewshire Council
			S2-10	N/A	Not applicable to East Renfrewshire Council
Increase the awareness of the impacts of climate change to enable people to adapt to future extreme weather events.	S2	Society	S2-11	N/A	Not applicable to East Renfrewshire Council
			S2-12	N/A	Not applicable to East Renfrewshire Council
			S2-13	N/A	Not applicable to East Renfrewshire Council
			S2-14	N/A	Not applicable to East Renfrewshire Council
			S2-15	N/A	Not applicable to East Renfrewshire Council
			S2-16	N/A	Not applicable to East Renfrewshire Council

Objective	Objective reference	Theme	Policy / Proposal	Delivery progress made	Comments
Support our health services and emergency responders to enable them to respond effectively to the increased pressures associated with	S3	Society	S3-1	N/A	Not applicable to East Renfrewshire Council
			S3-2	N/A	Not applicable to East Renfrewshire Council
			S3-3	N/A	Not applicable to East Renfrewshire Council
			S3-4	N/A	Not applicable to East Renfrewshire Council
			S3-5	N/A	Not applicable to East Renfrewshire Council
Support our health services and emergency responders to enable them to respond effectively to the	S3	Society	S3-6	N/A	Not applicable to East Renfrewshire Council
			S3-7	N/A	Not applicable to East Renfrewshire Council
			S3-8	N/A	Not applicable to East Renfrewshire Council
			S3-9	N/A	Not applicable to East Renfrewshire Council

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increased pressures associated with a changing climate.			S3-10	N/A	Not applicable to East Renfrewshire Council
Support our health services and emergency responders to enable them to respond effectively to the increased pressures associated with a changing climate.	S3	Society	S3-11	N/A	Not applicable to East Renfrewshire Council
			S3-12	N/A	Not applicable to East Renfrewshire Council
			S3-13	N/A	Not applicable to East Renfrewshire Council
			S3-14	N/A	Not applicable to East Renfrewshire Council
			S3-15	N/A	Not applicable to East Renfrewshire Council

4(e) What arrangements does the body have in place to review current and future climate risks?

Provide details of arrangements to review current and future climate risks, for example, what timescales are in place to review the climate change risk assessments referred to in Question 4(a) and adaptation strategies, action plans, procedures and policies in Question 4(b).

The Local Development Plan (LDP) and Strategic Environmental Assessment (SEA) are reviewed 5 yearly and the State of the Environment Report is reviewed bi-annually. Consultation on the new LDP closed last reporting year and a Main Issues Report was created based on the feedback during this consultation process. This is being used to inform the new LDP.

Supplementary Planning Guidance can be prepared to deal with emerging land use issues and these can be accessed on the Council website.

4(f) What arrangements does the body have in place to monitor and evaluate the impact of the adaptation actions?

Please provide details of monitoring and evaluation criteria and adaptation indicators used to assess the effectiveness of actions detailed under Question 4(c) Supporting information in the form of Strategic Environmental Assessments are provided to ascertain environmental opportunities and risk to planning issues within the Local Authority.

The Council maintains a Corporate Risk Register based on the Single Outcome Agreement objectives agreed with the Scottish Government. The risk register includes impacts related to climate change based on the Single Outcome Agreement. The register is regularly updated with all amendments being considered by the Audit and Scrutiny Committee.

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4(g) What are the body's top 5 priorities for the year ahead in relation to climate change adaptation?

Provide a summary of the areas and activities of focus for the year ahead.

- 1 - The Council will conduct a climate change adaptation workshop with key members of staff. This will help ascertain current climate change resilience and possible future action that will help the Council adapt to a changing climate.
- 2 - The Council will use the above information to assist in completing the Adaptation Strategy for the Council. It will then seek approval from the Cabinet for this document.
- 3 - The second version of the Local Development Plan will be finalised for next reporting year and this will feed in to our Adaptation Strategy.
- 4 - The Council will continue its membership of Climate Ready Clyde in order to participate in creating a strategic plan for the area.
- 5 - The Council will update its Strategic Risk Register in relation to climate change in order to accurately account for impacts related to a changing climate and how the Council responds to these impacts.

4(h) Supporting information and best practice

Provide any other relevant supporting information and any examples of best practice by the body in relation to adaptation.

No further information to state.

Part 5 - Procurement

5(a) How have procurement policies contributed to compliance with climate change duties?

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Public Bodies Duties states "a public body must, in exercising its functions, act:

1. in the way best calculated to contribute to delivery of the Act's emissions reduction targets
2. in the way best calculated to deliver any statutory
adapation programme
3. in a way that it considers most sustainable.

Evidence of compliance.

1 - East Renfrewshire Council currently has a Sustainable Procurement Policy supported by the Director of Environment. The Council has nominated the Director of Environment, Andy Cahill, as its Sustainable Procurement Champion. This policy reflects East Renfrewshire Council's approach to sustainable procurement and is intended that it will apply to all contracts for works, goods or services in which the Council has an interest. The policy can be accessed from our website here <http://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=13154&p=0>

2 - Before carrying out a regulated procurement, procurers are encouraged to consider how in conducting the procurement process they can:

- Improve the economic, social, and environmental wellbeing of the authority's area.
- Facilitate the involvement of small and medium enterprises, third sector bodies and supported businesses in the process.
- Promote innovation.

3 - The Council's Sustainable Procurement Policy is applied to all contracts for goods, works and services that have a value in excess of £100,000. Procuring officers shall give full consideration to the relevance and appropriateness of the use of social and economic community benefit clauses in all tender exercises and where deemed suitable ensure relevant requirements are included in tender documentation. Consideration of the use of social and economic community benefit requirements shall be extended to goods and services contracts with a value of £50,000 or more. In addition, the council will seek to maximise opportunities for environmental benefits and work with suppliers to reduce environmental impacts in procurement activity for goods, services or works carried out using Quick Quote with a value greater than £25,000. The policy documents embed sustainable procurement and community benefits into the procurement process/cycle. This is firstly reflected in the Standing Orders related to Contract whereby the requirements of the Sustainable Procurement Policy are reflected. The mechanism for ensuring depts. capture and record their consideration is through the completion of a Contract Strategy Document (CSD). This document is to be completed for each tendering exercise that is conducted, this is again reflected in the Standing Orders relating to Contracts. Areas to be considered when completing the CSD in relation to sustainability include:

- The completion of Environmental Opportunities Checklist
- Is fair working practices relevant to this procurement
- How will the procurement promote innovation?
- How will the procurement facilitate the involvement of third sector bodies?
- Will the procurement facilitate the involvement of supported businesses?
- Will the tender make provision for sub-contract opportunities for SME's

4 - Inclusion of community benefits and where applicable The "Environmental Opportunities Checklist" that is to be completed for all requirements in excess of £25,000 concentrates on the undernoted areas with further information available on the Council intranet for those carrying out procurement exercises. All relevant contracts must seek to:

- Reduce/Minimise waste
- Reduce Transport Impacts
- Reduce Carbon Emissions
- Apply Whole Life Costings
- Prevent Use of Hazardous Materials
- Reduce Energy Consumption/and or improve energy efficiency
- Source Food and Drink more sustainably
- Ensure Timber and Paper are sourced sustainably

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5(b) How has procurement activity contributed to compliance with climate change duties?

Provide information relating to how procurement activity by the body has contributed to its compliance with climate changes duties.

Example 1 - Non Domestic Energy Efficiency Framework Phase 2

The second phase of our NDEE work focussed on 12 Council sites (8 schools and 4 administrative and service centres). NDEE is a Scottish Procurement Framework Contract that allows public bodies to agree and guarantee energy and carbon savings through large scale energy efficiency improvements. This contract included a range of energy conservation measures such as boiler and building controls upgrades as well as lighting implementation and renewables projects. This project will provide guaranteed energy carbon and cost savings to the Council with a total payback period of 7 years. Also contract was agreed in a way that prioritises local contractors and materials and also included community benefit from main contractor (Matrix) in the form of recruitment of project employees through the Work East Ren Employability Scheme. This project also required the contractor to provide "Community Benefits" in the form of employment of local staff, STEM training and information to Council schools and support for voluntary projects in the Council area.

Example 2 - New Waste Contractor

ERC has procured a new waste provider; GP Green Recycling Ltd. They were asked to include a number of environmental considerations and they also had a community benefits clause included in their contract of the following:

- a. Free compost to the council for landscape works. Up to 300 Tonnes available.
- b. Horticultural advice from GP Greens experts
- c. School Visits for GCC/ERCC schools on the treatment process.
- d. Samples for local University research purposes.

Example 3 - Construction of Greenlaw Business Centre.

Contract tender was developed using (in part) the Environmental Checklist. Successful contractor was Morrison Construction. The community benefits included the contractor working with social enterprises Young Enterprise Scotland and Barrhead Men's Shed on elements such as the site signage and planting. Whilst not recognised formally under the building warrant process, the design team estimates that the Greenlaw Business Centre would achieve Bronze Active level under the building regulations. This is on account of the heating being provided by low carbon technology air source heat pumps. Bronze Active level is one step up from Bronze level, which represents basic building regulation compliance.

Example 4 - Construction of Maidenhill Primary School

ERC is in the process of constructing this new primary school for the community of Newton Mearns. This new school has been designed and is under construction to the outputs of an environmental strategy that contains the following:

- 1 - Building Regulations Compliance with Section 7: Energy Scotland 2015.
- 2 - Energy Performance Certificate: A rated as per regulation.
- 3 - Ventilation of school buildings as per Building Bulletin 101 v1.4 2006 regulations.
- 4 - Daylight levels as per best practice under BREEAM 2008 and BS8206-2:2008.
- 5 - Dynamic building simulation modelling to assess how the building will respond under a variety of weather and occupancy scenarios.
- 6 - Inclusion of LED lighting in design.
- 7 - Inclusion of PV array for electricity generation.
- 8 - Design of outdoor play area to enhance experience of natural and wild places.

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6: VALIDATION AND DECLARATION

6(a) Internal validation process

Briefly describe the body's internal validation process, if any, of the data or information contained within this report.

Section 1 - Profile of Reporting Body

Validated by Environment Accounts Team. Provision of data in this section at the request of Head of Environment (Strategy).

Section 2 - Governance, Management and Strategy

Validated by Internal Audit Team. Review of documentation and evidence provided. Check on hyperlinks where documentation is publically available. Check that detail from documentation is current and relevant to the question.

Section 3 - Emissions, Targets and Strategy

Validated by STC Bureau Service. 3rd party review of billing data.

Validated by Internal Audit Team. Review of all STC billing and HH data. It was not possible to verify the accuracy of these figures due to the complex nature of billing for utilities, however, STC provide 3rd party checks on data over and above internal audit review. Review of waste and expenses data. Correction and verification of corporate travel figures. Approval of waste figures.

Section 4 - Adaptation

Validated by Internal Audit Team. Review of documentation and evidence provided including hyperlinks. Review of SCCAP Guidance document to ensure ERC have responded to all relevant themes within the Programme.

Section 5 - Procurement

Validated by Internal Audit Team. Review of information provided and hyperlinks.

Section 6 - Validation Not validated.

Section 7 - Wider Impact and Influence on GHG Emissions Not validated.

6(b) Peer validation process

Briefly describe the body's peer validation process, if any, of the data or information contained within this report.

No peer validation has been conducted on the information contained within this report.

6(c) External validation process

Briefly describe the body's external validation process, if any, of the data or information contained within this report.

Section 3 - utility consumption has been provided through our Bureau service STC. Therefore this data has been validated by an external body.

6(d) No validation process

If any information provided in this report has not been validated, identify the information in question and explain why it has not been validated.

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No validation on the following sections:

Section 6 - Not relevant as the section itself pertains to validation.

Section 7 - Whilst not officially validated, the majority of the information is taken from documents already evidenced and validated within other sections of the report.

6e - Declaration

I confirm that the information in this report is accurate and provides a fair representation of the body's performance in relation to climate change.

Name	Role in the body	Date
Phil Daws	Head of Environment (Strategic Services)	2018-10-30

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