

<b>REPORT REFERENCE NO.</b>	RC/21/17
<b>MEETING</b>	RESOURCES COMMITTEE
<b>DATE OF MEETING</b>	30 NOVEMBER 2021
<b>SUBJECT OF REPORT</b>	GREEN PERFORMANCE MEASURES
<b>LEAD OFFICER</b>	DIRECTOR OF FINANCE & RESOURCING (TREASURER)
<b>RECOMMENDATIONS</b>	<p><i>(a) That the Committee considers and, subject to any amendments requested at the meeting, endorses the environmental measures set out at Appendix A of report RC/21/17; and</i></p> <p><i>(b) Subject to (a) above, the report be noted.</i></p>
<b>EXECUTIVE SUMMARY</b>	<p>This report sets out details of the data collation for the environmental measures (up to March 2021) and action plan since March 2021 in the delivery of the Service's Green performance strategy.</p> <p>The Action plan had been updated with the current Red Amber Green Blue (RAGB) and narrative of change on activities.</p>
<b>RESOURCE IMPLICATIONS</b>	None
<b>EQUALITY RISKS AND BENEFITS ANALYSIS</b>	None
<b>APPENDICES</b>	<p>A. Environmental measures</p> <p>B. Action plan</p>
<b>BACKGROUND PAPERS</b>	Green Devon & Somerset Fire & Rescue Service – Environment Strategy

## 1. **INTRODUCTION**

- 1.1. This report provides the input data collated to baseline the environmental metrics which were considered by a working group of the previous Audit and Performance Review Committee (APRC). The Authority at its meeting held on 29 September 2021 agreed that the Resources Committee's Terms of Reference would be amended to include consideration of the Environmental Strategy and associated performance measures in future (Minute DSFRA/21/22 refers)
- 1.2. The environmental strategy specified an action to *"Measure and publish our current environmental impact in terms of emissions, waste, water and utilities"*.
- 1.3. Metrics would normally be baselined for a 12-month period. However, in light of the service being in business continuity during COVID19 the Service set baseline data for the financial year 2020-2021. It is acknowledged that the Covid19 pandemic did not reflective a 'typical' operating period. Where possible and appropriate, two financial year's data has been collated as a comparison; 2019/20 and 2020/21. A narrative has been provided for any data omissions.
- 1.4. The overarching objective of the measures will be to enable monitoring of the Service's emissions and leading indicators. The Service is establishing its total carbon footprint as defined in the Greenhouse Gas (GHG) Protocols. Currently the Service is able to identify the Scope 1 and Scope 2 Greenhouse Gas emissions (with the exception of Scope 1 F-Gases to follow). Scope 3 requires further time to define the context of the organisational boundary and subsequent data collation and emissions calculation.
- 1.5. The inputs identified in the environmental metric table at Appendix A of this report as agreed previously with the Audit & Performance Review Committee will be reported to the Committee unless any change is requested by the Resources Committee at this meeting. The Service will continue to develop and work towards calculating its total Carbon footprint and Scope 3 emissions. Appendix B of this report sets out the Action Plan activity update for information.

**SHAYNE SCOTT**

**Director of Finance & Resourcing (Treasurer)**

Environmental Measures							
Theme	Measure	Method/Unit	Data owner	Suggested frequency	FY19/20	FY20/21	Commentary
Increase renewable energy consumption	Number of photovoltaic systems in use	Count	Estates	6 months/ annual		13	
	Number of PV systems planned/in commissioning	Count	Estates	6 months/ annual		3	
	Power generated by renewable systems	kWh	Estates	6 months/ annual	42,568		Pending data reporting for FY20/21 from Feed In Tariff (FiT) providers.
	Power used - electricity	kWh	Estates	quarterly/ 6 months	2,928,783.220	2,675,058.900	
	Power used - gas	kWh	Estates	quarterly/ 6 months	3,887,474.196	3,852,083.331	
	Power ordered - heating oil	Litres	Estates	quarterly/ 6 months	6700	4274	
Reduce environmental impact of service vehicles	Size of service fleet	Count	Fleet	6 months/ annual		530	
	% of LGV 3.5 – 7.5 tonne meeting Euro 5 or above standards	%	Fleet	6 months/ annual		33%	168 HGV in total, 40 vehicles Euro 6 and 15 vehicles Euro 5)
	% of LGV above 7.5 tonne meeting Euro 5 or above	%	Fleet	6 months/ annual		91%	43 total, 22 vehicles Euro 6 and 17 vehicles Euro 5
	% of LGV up to 3.5 tonne meeting TBC standard	%	Fleet	6 months/ annual		TBC	This size of vehicle has CO2 calculated by a figure (g/km) rather than EU rating. Appropriate standard to be determined. The total count is 54.
	Alternative fuel vehicles in Service Fleet	Count	Fleet	6 months/ annual		1 x LPG 2 x Electric	
	Litres of fuel used/ordered	Count	Fleet	quarterly/ 6 months	Diesel – 610,238.60 Petrol – 39,353.19 LPG – 0	Diesel – 424502.16 Petrol – 20058.09 LPG – 18	
	Number of buildings in each EPC band	Count	Estates	Annual		A – 3 B – 3 C – 3 D – 1 E – 2 F – G –	12 Buildings only currently with ratings. Remaining sites to be assessed to obtain EPC via tender process.
Maintaining efficient buildings	Estate footprint	Total	Estates	Annual		41,579.0 m2	
	Mass of non-recyclable waste	tonnes	Estates	Annual	105.057	89.042	Trade & Recycling Waste contract only
Reducing waste	Mass of recyclable waste	tonnes	Estates	Annual	15.754	14.163	Trade & Recycling Waste contract only
	Units of water consumed	cubic metres	Estates	quarterly/ 6 months		38,697.63	Total consumption data. Data anomalies under review with Contractor e.g. 3 sites not polling any consumption. Major data inconsistencies in FY19/20 data hence not included.
Encourage greener travel to work	Uptake of cycle to work scheme	Count	Finance/HR	quarterly/ 6 months			Pending review
	Profile of staff journeys broken down into category	Staff survey	Staff survey	Annual			Pending metric collation
	Uptake of Ultra Low Emissions Vehicles Scheme	Count	Finance/HR	quarterly/ 6 months			Pending scheme go-live

## GHG Emissions Calculations

### FY2019-2020

	<b>kg CO2e</b>	<b>t CO2e</b>
Scope 1	2,446,482.34	2,446.48
Scope 2	748,596.99	748.60
Scope 3		
	<b>3,195,079.33</b>	<b>3,195.08</b>

### FY2020-2021

	<b>kg CO2e</b>	<b>t CO2e</b>
Scope 1	1,917,189.50	1,917.19
Scope 2	623,663.23	623.66
Scope 3		
	<b>2,540,852.74</b>	<b>2,540.85</b>

## ACTION PLAN RAGB CHANGES

Action	RAGB Change since last meeting	Narrative
4	Not Started to On Track	Actively attending the Emergency Services Environmental and Sustainability Group which meets bi-monthly and member of the NFCC Environment and Sustainability Group which provides opportunities to share information and experience with other FRS and Emergency Services colleagues who are undertaking similar activities.
5	Not Started to On Track	Liaison with the Organisational Development team to develop a 'Green Thread' and 'Green by Design' to ensure all environmental aspects and impacts are identified, considered and applied during decision making, policy, procedures, procurements.

## Activity update:

- May 2021 – 2 members of staff undertook IEMA Associate Foundation Course in Environmental Management which has provided the organisation with additional skills and understanding. A key outcome is the decision to undertake an Initial Environmental Review which will identify environmental aspects and impacts of our organisation, gather the environmental issues affecting DSFRS, inform priority action areas and identify risks and opportunities. External consultancy support sought for this process.

- Action 8 – Progress has been made towards implementation of EV charging infrastructure. The working group have released a further competition via a central government framework to identify a contractor to undertake site electrical capacity surveys of all sites. The data will enable decisions on pilot site infrastructure, roll out programming and potential electrical upgrade requirements in order to support the light support fleet moving to electric vehicles. Initial survey data is expected by December 2021.
- Action 10 – The fleet telematics project is on track with implementation and due to be complete Mid 2022.
- Action 12 – the agreed baseline metrics have been collated and will be refreshed following feedback from Authority Champions. Scope 1 & 2 GHG emissions now calculated using the baseline data. Next step is to identify our Scope 3 GHG emissions and to identify and model the nature and speed of reductions required to achieve the emission reductions of the DSFRS Environmental Strategy.
- Action 13 – Progressing a DSFRS ‘People by Design’ process on the environmental strategy in order to understand the individual behavioural changes needed to deliver the environmental strategy. Attending IEMA Webinar creating a green champion network.

	On Track	At risk	Compromised	Completed	Not Started
Ref.	Action	Responsible department	How will it be done?	RAGB Status	Immediate Future (18 months)
1	To consider through the Fire Authority, Chief Fire Officer and Executive Leadership Team our declaration of a climate change emergency and actively promote our strategy with partner organisations and wider community	Dir. Service Resourcing	1. Declare climate emergency 2. Communications plan to launch Green DSFRS		✓
2	Providing funding to deliver our action plan	Finance	1. Earmark funding		✓
3	Making waste reduction a priority	Environmental Officer	1. Learning from best practice 2. Co-ordinating with procurement to specify low waste goods and services 3. Digitising/efficiency		✓
4	Work collaboratively with DEFRA, Environment Agency, and others to identify and deliver best practice	Environmental Officer	1. Engage in working groups including NFCC 2. Update memorandum of understanding with Environment Agency		✓
5	Introduce environmental factors and impacts in our decision making processes	Governance/ Organisational Development	1. Update templates 2. Introduce Environmental Impact Assessment process		✓
6	develop self-service processes to reduce inefficiency and remove paper-based systems	Programme/ICT/ Efficiency review	1. Deliver workbench applications 2. Embed Office 365 3. Review processes for paper and seek to eliminate/ fully digitise		✓
7	Putting greater emphasis on environmental changes with our energy companies and third party providers	Estates/Procurement	1. Review contracts when up for review 2. Consider fully carbon offsetting energy use 3. Embed in next procurement strategy		✓
8	Introduce electric vehicle charging points at our pilot sites	Estates/ Fleet & Procurement	1. Agree optimum locations 2. Agree recharging regime (e.g. assess impact of free) 3. Subcontract installation		✓
9	Design green and carbon reduction initiatives in to our new building schemes	Estates	1. Assess appetite for green initiatives as uplift against building regulations 2. Embed in Estates Strategy		✓
10	Establish fleet telematics system and start to implement	Fleet & Procurement	1. Implement fleet strategy 2. Asset management project phase 2		✓
11	Work with Water Companies to understand impacts of firefighting use of water	Environmental Officer	1. Establish project/ consider PhD study/ NFCC collaboration 2. Publish data and findings to incorporate in to training and product procurement		✓
12	Measure and publish our current environmental impact in terms of emissions, waste, water and utilities	Service Resourcing/ Strategic Analysis	1. Working group to agree initial metrics 2. Data gathering and publication 3. Development of new metrics as data becomes available		✓
13	Encourage behaviour change and share good ideas for improvement with our staff, partner organisations and wider community	Environmental Officer	1. Learning from best practice 2. Co-ordinating with comms team on campaign 3. Establish staff champions		✓

<b>Action</b>	<b>Medium Term (18 months - 3 years)</b>	<b>By 2030</b>
Review and benchmark our sustainable performance measurements	✓	
Develop our systems and processes to capture the relevant information to analyse and improve our sustainable performance	✓	
Introduce high environmental standards in our requirements for goods, services and works	✓	
Improve fleet utilisation and reduce numbers of vehicles and journeys	✓	
Extend our electric vehicle charging point scheme	✓	
Explore retrofitting of renewable energy generation on our larger sites	✓	
Work with the Environment Agency to ensure that our training and operations are carried out within agreed standards	✓	
Influence across our local authority area for safe and sustainable building designs and urban developments	✓	
Recognise the financial and wellbeing benefits from our environmental investments and plan for 2050		✓
Be proactive in our approach to climate related consultations and seek input from our local communities and support from wider government and agencies for our climate change initiatives		✓
Seek to influence council partners for reductions in business rates as a result of renewable energy schemes		✓