

Climate Change Duties Report

1. INTRODUCTION

1.1 The purpose of this report is to inform and update members about SEStran’s responsibilities, as a public body, in relation to the Climate Change Act (Scotland) 2009.

2. BACKGROUND

2.1 In 2015, the Reporting on Climate Change Duties (Scotland) Order 2015 came into force, which required specified Public Bodies, including RTPs, to prepare annual reports on compliance with climate change duties under the Climate Change (Scotland) Act 2009.

2.2 This legislation is managed and coordinated on behalf of the Scottish Government by the Sustainable Scotland Network (SSN) team at the Edinburgh Centre for Carbon Innovation.

3. REPORTING RESPONSIBILITIES

3.1 SEStran has reported annual emissions figures since 2015 and implemented a range of policies to reduce the impact from the workings of the organisation.

3.2 For the reporting year 2019/20 SEStran has seen an increase to 17.1 tCO₂e. A breakdown of emissions is detailed within the appended report.

3. RECOMMENDATIONS

3.1 The Board are invited to note the content of the report.

Peter Jackson
Active Travel Officer
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Appendix 1: SEStran Carbon Emissions Reporting

Policy Implications	None
Financial Implications	None
Equalities Implications	None
Climate Change Implications	As detailed in Appendix 1 of this report.

SEStran Carbon Emissions Reporting 2019-20

	Emission Source	Units	Emission Factor	Units	kg CO2e
41	Domestic Flight (average passenger)	passenger km	0.25355	kg CO2/passenger km	375.73
42	Short-haul flights (average passenger)	passenger km	0.15753	kg CO2/passenger km	5,419.90
44	Rail (National Rail)	passenger km	0.04115	kg CO2/passenger km	434.46
45	Car - diesel (average)	passenger km	0.17336	kg CO2/passenger km	327.26
46	Car - petrol (average)	passenger km	0.18084	kg CO2/passenger km	648.71
53	Bus (local bus, not London)	passenger km	0.12076	kg CO2/passenger km	43.84
54	Taxi (black cab)	passenger km	0.21176	kg CO2/passenger km	61.72
Other	Staff Travel to Work	km	various	kg CO2e/km	9,785.21
	Scope 1				0.00
	Scope 2				0.00
	Scope 3				17,096.85
	SEStran TOTAL			Tonnes CO2e	17.1

The table above illustrates SEStran carbon emissions for 2019-20 against the relevant reportable emission categories. Since the relocation of SEStran to Victoria Quay in 2016 no report is made for categories that would otherwise be included in the Scottish Government building report, i.e. categories 1,2,5,9,26 and 30.

SEStran has set a target to reduce business travel by 5% on an annual basis. The table below details the annual change since relocating to Victoria Quay.

Reporting Year	Tonnes CO2e	Percentage Change
2016-17	7.138	*First Year at VQ
2017-18	5.241	-27%
2018-19	7.227	+38%
2019-20	7.312	+1%

During 2019-20 there continued to be a range of working groups covering transport and planning, following from a busy 2018-19. A number of EU projects meetings and kick-offs contributed to higher levels of short haul flights, demonstrating the continuing breadth of

SEStran work. This year also secured further funding that added to the need for officers to travel domestically to attend meetings and workshops.

Emission Source	No of Trips	Travel Distance	Difference on 17-18
Domestic Flights	1	1482	∧ 258 km
Short-Haul Flights	10	34406	∧ 2834 km
Rail	69	16905	∨ 6347 km
Car	**	5475	∧ 985 km
Bus	26	363	∨ 268 km
Taxi	30	291	∧ 19 km
Cycle	***	960	∧ 827 km

** Use of personal vehicles is captured by mileage only and not by trip number.

*** Cycle distance includes SEStran e-bike business not capturing trip number.

There has been a shift in domestic travel patterns with less rail and bus usage, with an assumption that much of the cycle usage accounts for these trips. Other increases can be justified by the increase in project work as described earlier.

Staff Travel to Work

Staff travel to work is calculated on assumptions of normal staff travel patterns if working in the office. This takes account of annual leave, periods of absence, and prearranged days working from home. This results in an estimated emission total that will be higher than the actual total emission for this category.

The reporting period saw a number of changes in staff travel patterns, with a particular increase in rail, bus, and private car use. SEStran operates flexible working practices and promotes the sustainable travel hierarchy where appropriate but the nature of officers work will still require the need to travel and this may not facilitate an option for a target of reduced staff travel to work.

TOTALS	Emissions kg CO2e	Distance km
Car	8,988.37	50,753
Passenger	150.39	849
Rail	414.83	10,081
Bus	231.62	1,918
Cycle	0.00	8,971
Walk	0.00	191
TOTALS	9,785.21	72,764