

Operational Carbon Reduction Plan - Reducing Our Footprint

Scope one

No.	Category	Tonnes of CO2 equivalent 2018/19	Notes and information	Supporting actions	Influence	Doing now	Carbon saving	Biodiversity saving	Implementation time
1.1	Stationary combustion	85.9	<p>"Emissions associated with combustion of fuels in stationary equipment (typically boilers in buildings). Consumption data provided for three buildings."</p>	Investigate installing much more sophisticated thermostats for the heating system at Follaton House	1	N	Med	Low	2 years
				Investigate alternative heating systems - Biomass boilers, Air/Ground source heat pumps, additional PV at relevant buildings	1	N	High	Med	5 years
				Investigate 'fabric first approach' to reduce energy needs	1	N	Med	Med	5 years
1.2	Owned transport	3199.4	<p>Emissions associated with mobile equipment, typically transport equipment e.g. Localities vehicles, waste collection vehicles, maintenance vans, LA owned cars etc. Emissions were calculated from two sources. Firstly, fuel bought on forecourts data available on volume of fuel. Secondly, fuel consumption from Waste and Cleansing vehicles is from fuel stored in bunkers at the depots. This was calculated based on mileage of the fleet. For future years FCC will take over this service and will capture the amount of fuel used. Fuel use from mobile machinery was calculated based on estimates of fuel use for tools, lawnmowers and tractors.</p>	Investigate use of electric car between Tavistock and Totnes plus other businee routes	1	Y	Med	Low	Jan-20
				Explore the use of electric vehicles for all fleet.	1	Y	High	Low	Feasibility study underway
				Explore installing electric car charging points in car parks	1	Y	Med	Low	
				Explore a rolling programme of electric/manual equipment to move away from petrol/generators.	1	N	Low	Low	6 months
				Explore a reduction in number of 'cuts' and promoting wild flowers etc.	1	N	Low	High	6 months
1.3	Process emissions	0	<p>Waste collection is part of the Council's obligations - those emissions are included within transport based emissions (2. Owned Transport). Waste processing is a function of upper tier authorities and so are out of scope for second tier authorities. There are no other process emissions.</p>						
1.4	Fugitive emissions	0	<p>Emissions due to leakage of refrigerant from air conditioning systems.</p>						

Scope two

No.	Category	Tonnes of CO2 equivalent 2018/19	Notes and information	Supporting actions	Influence	Doing now	Carbon saving	Biodiversity saving	Implementation time
5	Consumption of purchased electricity, heat, steam and cooling	290.9	<p>“Emissions associated with purchased electricity. This includes all owned buildings including leased out buildings as these are on an Operating Lease.</p> <p>Calculations undertaken based on metered electricity consumption. ”</p>	Investigate procuring truly renewable energy	1	N	High	Med	1 year
				Explore installing low water delivery taps/plumbing to all our toilet facilities at Follaton House	1	N	Low	Low	2 years
				Investigate what energy efficient measures could be retro-fitted to Council properties	1	N	Med	Med	
				Energy Efficiency – light fittings changed to LED	1	Y	Med	Med	
				Explore renewable technology options – solar and air source heat pumps for example	1	N	High	High	
				Aim for a Higher result in the energy performance certificates	1	N	Med	Med	On going

Scope three

No.	Category	Tonnes of CO2 equivalent 2018/19	Notes and information	Supporting actions	Influence	Doing now	Carbon saving	Biodiversity saving	Implementation time
3.6	Purchased material and fuel	1515.1	<p>Embedded emissions of all purchased materials and fuels. Materials emissions were taken to be emissions associated with the purchase of goods. These were established by identifying the “top 10” contracts from the council’s procurement records and allocating these to a sector (within goods or services). Emissions were calculated using a conversion factor from ex E of Environmental Reporting Guidelines. Well to Tank (WTT) emissions from fuels and processes were calculated from all the other sections in the inventory with the exception of sections 3, 4, 8, 9 and 10.</p>	See Scope 2 re Renewable Energy procurement	1	N	High	Low	
				Divest from fossil fuels and invest in renewable energy projects	1	N	High	High	2 years
				Explore forming a non-profit green energy company	1	N	High	High	5 years
				Encourage residents to sign up to paperless billing and communication to reduce paper waste	4	N	Low	Low	
				Adopt a sustainable procurement policy	2	Y	High	Med	1 year
				Work with top 10 suppliers to explore their approach to carbon reduction	3	n	High	Med	3 years

Scope three - continued

No.	Category	Tonnes of CO2 equivalent 2018/19	Notes and information	Supporting actions	Influence	Doing now	Carbon saving	Biodiversity saving	Implementation time
3.7	Transport related activities	305.7	<p>"Emissions from grey fleet, business travel and commuting: Grey fleet: Based on mileage at 45p/mile Business travel (road/rail/air): Based on spend on train/plane/taxi. Commuting: Based on provided distances from employee to office, assumed number of journeys (260 for full time), split of full time to part time, and assume average car unknown fuel. Councillor mileage: Based on supplied annual mileage and assume unknown car size and fuel."</p>	Introduce culture of agile working, working from home & skype meeting to reduce unnecessary travel	1	Y	High	High	Ongoing
				Introduce business train booking account to encourage journeys by rail	1	Y	High	High	Ongoing
				Introduce a car sharing scheme publishing on the intranet the intended journey and times	1	N	Med	Med	2 months
				Introduce a company scheme incentivising the purchase of electric cars	1	N	Med	Med	6 months
				Use of electric car between KP & FH	2	N	Med	Med	1 year
				Provide new electric charging points	2	N	High	High	
				Encourage car sharing by paying 5p per mile if sharing on a business journey	3	Y	Med	Med	Ongoing
				Explore changing the criteria for essential car user allowance, remove minimum mileage requirement and don't reimburse between FH&KP	3	Y	High	High	Ongoing
				Investigate electric bikes for some facility servicing. For example, toilet cleaners. This would require having supplies and cleaning kit at each locality.	1	N	Low	Low	2 years
				Fleet forward plan to include a trial use of electric vehicles for GM/MLO/CEO's.	2	N	High	High	
				Reduce business mileage by greater use of technology to reduce need to attend meetings	1	N	Med	Med	
				Reduce business mileage by encouraging customer self-service and reduce need for officer/customer to travel	1	N	Med	Med	
				Further encourage and incentivise alternative modes of travel e.g. use of rail, public transport	1	N	Med	Med	
Encourage/incentivise greater use of cycles for commuting	1	N	Low	Low					
Identify individual commute and business usage and set reduced targets	1	N	Med	Med					

Scope three - continued

No.	Category	Tonnes of CO2 equivalent 2018/19	Notes and information	Supporting actions	Influence	Doing now	Carbon saving	Biodiversity saving	Implementation time
3.8	Waste disposal	0	Emissions associated with disposal of the Council's own waste e.g. from its offices (as opposed to waste produced by constituents). No data was available, though from past projects it is expected that this would be a very small number in the context of the overall footprint.						
3.9	Leased assets and franchising, outsourcing	2617.2	This covers all emissions from outsourced services. Emissions from energy use at the leisure centres (based on metered fuel consumption data) was calculated in the same manner as for categories 1 and 5. Emissions from procured services were calculated in the same manner as for goods in category 6. As the contract for the leisure centres was already included in the procurement spend, only the balance of emissions from procured services were added.	Investigate what energy efficient measures could be retro-fitted to leased properties	1	N	Med	Med	2 years
				Explore renewable options for car parks, landholdings, public open space, tenanted and commercial property	1	N	Med	Med	
				Meet with Fusion to determine renewable options for leisure centres	2	N	High	Med	5 years
				Tenanted property/commercial units - no heating installed but EPC is now necessary in some cases - explore options	3	Y	High	Med	Ongoing
				Electric charging points in industrial estates	4	N	High	High	6 months
				Green messaging in tenants handbook – encourage tenants to buy green energy	4	N	High	Med	6 months
3.10	Sold goods and services	0	Emissions from any sold goods or services. The Council state that no additional sold goods or services have been identified.						

