

SUMMARY OF HERITAGE SECTOR EMISSIONS

Greenhouse Gas Protocol

The Greenhouse Gas Protocol provides standards and guidelines for organisations to quantify and report their emissions across various sectors and scopes.

Below is a summary of the estimated carbon emissions using data from the eleven previous infographics, where the source of emissions are categorised by the GHG scopes. This provides an insight into the scale of emissions in different Heritage Types including Service Providers and Sites, as well as an insight into what different stakeholders can do to reduce their emissions.

Ideally organisations should be assessing across all scopes of carbon. The graphics demonstrate current best practice across organisations, but over time stakeholders will expect organisations to be understanding and reducing emissions across all areas.

ILLUSTRATIVE INTENSITY OF ANNUAL CARBON EMISSIONS (tCO2e)			Emissions (tCO2e) Sources									
			Scope 1		Scope 2		Scope 3					
Infographic Name		Emissions from owned vehicles	On-site energy generation, if any (e.g., boilers, generators)	Electricity used for lighting and climate control, etc.	Heating (gas, oil) for heritage properties	Visitor transportation to and from heritage sites	Staff commuting to sites	Business travel to sites and events including hotels	Waste generated in conservation and restoration operations	End-of-life impacts of sold heritage crafts or products	With Thanks to	
Heritage service providers	iii	DECARBONISING CONFERENCES & EVENTS A 3 day in person conference with 255 attendees	-	-	1	0.5	11	-	5	0.1	1.2	CIFA Chartered Institute for Archaeologists
		DECARBONISING ARCHAEOLOGICAL EXCAVATIONS An excavation involving the movement of 75,000 tonnes of soil across a 12.4 hectare excavation	217	3.2	-	-	-	7.2	2.6	0.1	-	J A oxford ▼
	<u></u>	DECARBONISING MARINE ARCHAEOLOGY Operating 8 five day historic shipwreck diving projects a year	25	-	-	-	-	-	3.2	0.1	-	MSDS Marine
	血	ADJUSTING CLIMATE CONTROLS IN CONSERVATION	-	-	-	-	-	-	-	-	-	
Heritage site owners		DECARBONISING HISTORIC HOUSES Operating a historic palace with 125,000 visitors a year and maintaining 14 acres of land	5	-	56	7	-	-	-	11		of P The Bishop's Palace
	~~ ~~	HERITAGE COAL USE Pumping station burning 20 tonnes of coal a year	-	58	-	-	-	-	-	-	-	CROFTON BEAM ENGINES
	X	AVIATION HERITAGE SITES Aviation fuel consumed by 3,000 take off and landings and diesel consumption for land maintenance	33		-	-	-	-	-	-	-	WA A PORT OF THE PROPERTY OF T
	<u>\$£</u>	MARITIME HERITAGE SITES	-	-	-	-	-	-	-	-	-	SGREAT BRITAIN
	⊙ ⊃	IMPACT OF VISITOR TRAVEL 100,000 visitors travelling to a rural heritage site	-	-	-	-	1,350	-	-	-	-	
	×	IMPACT OF FOOD AND BEVERAGE 200,000 visitors to a café per year	-	-	-	-	-	-	-	-	1,450	