

WARWICK DISTRICT : SCATTER CARBON EMISSION SUMMARY
(Greenhouse gas emissions (metric tonnes CO2e))

APPENDIX 3

Sector	Sub-sector	Scope 1		Scope 2		Scope 3		2017	2018	CHANGE
		2017	2018	2017	2018	2017	2018			
		Total tCO2e DIRECT	Total tCO2e DIRECT	Total tCO2e INDIRECT		Total tCO2e OTHER				
Stationary energy	Residential buildings	146,182	151,024	88,187	70,041	38,852	33,813	273,222	254,878	-18,344
	Commercial buildings & facilities	19,341	15,200	14,877	44,796	6,186	9,468	40,404	69,464	29,060
	Institutional buildings & facilities	40,777	11,599	75,179	9,726	17,959	3,178	133,914	24,503	-109,411
	Industrial buildings & facilities	24,005	59,842	43,580	54,681	11,847	21,356	79,432	135,879	56,447
	Agriculture	4,098	4,369	2	1	979	1,031	5,078	5,401	323
	Fugitive emissions	0	20,135	0	0	0	NE	0	20,135	20,135
Transportation	On-road	413,739	439,673	IE	IE	0	156,369	413,739	596,042	182,304
	Rail	16,078	12,633	IE	IE	3,834	2,975	19,911	15,608	-4,304
	Waterborne navigation	12	2,274	NO	IE	3	IE	15	2,274	2,260
	Aviation	0	NO	IE	IE	73,888	73,390	73,888	73,390	-498
	Off-road	0	4,397	IE	IE	0	NE	0	4,397	4,397
Waste	Solid waste disposal	6,669	16,630	0	0	0		6,669	16,630	9,962
	Biological treatment	0	NO	0	0	0		0	0	0
	Incineration and open burning	0	NO	0	0	0		0	0	0
	Wastewater	8,717	8,387	0	0	0	NO	8,717	8,387	-330
IPPU	Industrial process	0	46,939	0		NE	NE	0	46,939	46,939
	Industrial product use	0	0	0		NE	NE	0	0	0
AFOLU	Livestock	5,143	14,845	0		NE	NE	5,143	14,845	9,702
	Land use	0	-5,124	0		NE	NE	0	-5,124	-5,124
	Other AFOLU	NE	NE	0		NE	NE	0	0	0
Generation of grid-supply	Electricity-only generation	0	NO	0	0	0	0	0	NO	0
	CHP generation	0	NO	0	0	0	0	0	NO	0
	Heat/cold generation	0	NO	0	0	NE	0	0	NO	0
	Local renewable generation	0	11	NE	NO	NE	NE	0	NO	0
Total (ALL)			802,836		179,245		301,581	1,060,131	1,283,651	