

CARBON IMPACT

Option 1	Diesel HGC Road Freight	Gross Vehicle Weight (tonnes)	Number of vehicles	Mileage
	Rigid (average % weight laden)	>3.5 - 7.5t	2	26304.2
	Rigid (average % weight laden)	>7.5 - 17t	16	253123.78
	Rigid (average % weight laden)	>17t	13	299836.68
	Total		31	579264.66

Mileage	CO ₂ factor	CO ₂ emissions (tCO ₂)
26,304.20	0.78821	20.73
253,123.78	0.96244	243.62
299,836.68	1.52363	456.84
579,264.66		721.19

Option 2a	Diesel HGC Road Freight	Gross Vehicle Weight (tonnes)	Number of vehicles	Mileage
	Rigid (average % weight laden)	>3.5 - 7.5t	6	110410.3
	Rigid (average % weight laden)	>7.5 - 17t	15	263979.56
	Rigid (average % weight laden)	>17t	9	190567.52
	Total		30	564957.38

Mileage	CO ₂ factor	CO ₂ emissions (tCO ₂)
110,410.30	0.78821	87.03
263,979.56	0.96244	254.06
190,567.52	1.52363	290.35
564,957.38		631.45

APPENDIX E

Option 2b	Diesel HGC Road Freight	Gross Vehicle Weight (tonnes)	Number of vehicles	Mileage
	Rigid (average % weight laden)	>3.5 - 7.5t	6	110410.3
	Rigid (average % weight laden)	>7.5 - 17t	15	263979.56
	Rigid (average % weight laden)	>17t	13	268429.72
	Total		34	642819.58

Mileage	CO ₂ factor	CO ₂ emissions (tCO ₂)
110,410.30	0.78821	87.03
263,979.56	0.96244	254.06
268,429.72	1.52363	408.99
642,819.58		750.08

Option 5a	Diesel HGC Road Freight	Gross Vehicle Weight (tonnes)	Number of vehicles	Mileage
	Rigid (average % weight laden)	>3.5 - 7.5t	3	78483.86
	Rigid (average % weight laden)	>7.5 - 17t	0	0
	Rigid (average % weight laden)	>17t	21	441622.22
	Total		24	520106.08

Mileage	CO ₂ factor	CO ₂ emissions (tCO ₂)
78,483.86	0.78821	61.86
-	0.96244	-
441,622.22	1.52363	672.87
520,106.08		734.73

Data source: UK Government GHG Conversion Factors for Company Reporting (2018)
<https://www.gov.uk/government/publications/greenhouse-gas-reporting-conversion-factors-2018>