





HELIOS RENEWABLE
ENERGY
PROJECT

PINS Document Number:
EN010140/APP/6.3.12.2

Pursuant to:
APFP Regulation 5(2)(a)

**Environmental Statement
Appendix 12.2:
Helios Emissions Factor Toolkit**

June 2024

Primary Inputs		Pollutants	Selected	Standard Outputs	Selected	Additional Outputs	Selected	Advanced Options	Selected	Click the button to:  Run EFT  Clear Input Data
Area	England (not London)	NO _x		Air Quality Modelling (g/km/s)		Breakdown by Vehicle		Bespoke Base Fleets		
Year	2027	PM ₁₀		Emissions Rates (g/km)		Source Apportionment		Bespoke Euro Fleet		
Traffic Format	Basic Split	PM _{2.5}		Annual Link Emissions	Y	PM by Source		Fleet Projection Tool		
<i>All must be selected</i>		CO ₂	Y			Primary NO ₂ Fraction				
						Export Outputs				

SourceID	Road Type	Traffic Flow	% HDV	Speed(kph)	No of Hours	Link Length (km)	% Gradient	Flow Direction	% Load
Helios EFT	Rural (not London)	210	12	94.67	24	9.2			

Source Name	Pollutant Name	All Vehicles (Annual Emissions (kg/yr except CO2 tonnes/yr))	All LDVs (Annual Emissions (kg/yr except CO2 tonnes/yr))	All HDVs (Annual Emissions (kg/yr except CO2 tonnes/yr))
Helios EFT	CO2	148.28663	93.65667	54.62997

All Sources	Total CO2 Emissions (tonnes/annum)	Direct CO2 Emissions from Tailpipe (tonnes/annum)	Indirect CO2e Emissions from Electric Charging (tonnes/annum)
		150.01	148.29

Source Name	Total CO2 Emissions (tonnes/annum)	Direct CO2 Emissions from Tailpipe (tonnes/annum)			Indirect CO2e Emissions from Electric Charging (tonnes/annum)				
		All Vehicles	All LDVs	All HDVs	All Vehicles	Electric Cars	Plugin Hybrid Cars	Electric Taxis	Electric LGVs
Helios EFT	150.01	148.29	93.66	54.63	1.72	1.61	-	-	0.11