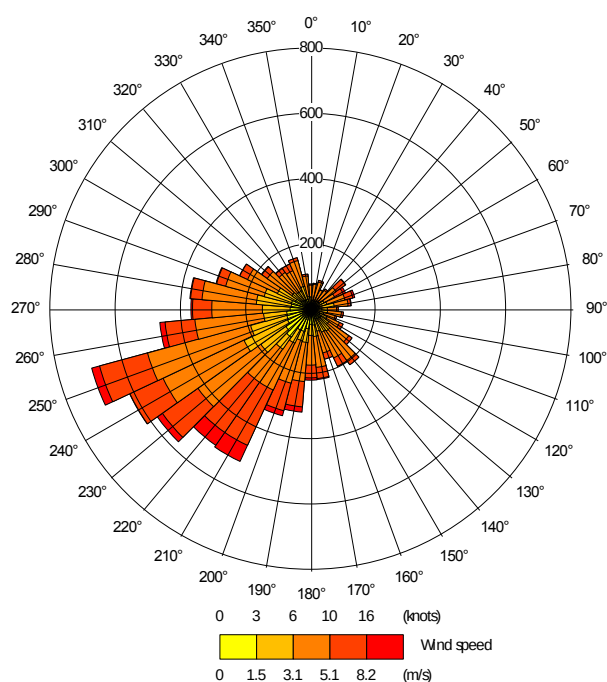


Appendix E.1: Model Inputs and Results Processing Tools

Meteorological Data	2017 Hourly meteorological data from Farnborough Station has been used in the model. The wind rose is below.
ADMS	Version 4.1.1
Time Varying Emission Factors	Based on Department for Transport statistics. Table TRA0307. Motor vehicle traffic distribution by time of day and day of the week on all roads, Great Britain: 2017.
Latitude	51°
Surface Roughness	A value of 1 for Cities and Woodlands was used to represent the modelled area. A value of 0.3 for agricultural areas was used to represent the meteorological station site
Minimum Monin-Obukhov length	A value of 30 for Cities and large towns was used to represent the modelled area. A value of 30 for Cities and large towns was used to represent the meteorological station site
Street Canyon	No canyon used
Emission Factor Toolkit (EFT)	V8.0 , November 2017.
NO _x to NO ₂ Conversion	NO _x to NO ₂ calculator version 6.1, 17 October 2017
Background Maps	2015 reference year background maps



2017 Farnborough Station Wind Rose