Move your low carbon heat project forwards with Reheat's air quality modelling service, with methods recognised by UK regulatory authorities.

We understand that air quality modelling is often an essential step in low carbon heating project continuity. Therefore, our in-house modelling experts support clients across a wide range of requirements for assessing any air quality impacts from low carbon heat installations.

Combined with our broader low carbon heating expertise, our team brings a wealth of experience to help you achieve your decarbonisation goals.

Our services support you with:

- ✓ New installations, or alterations to existing sites, for which the local authority could ask for evidence of air quality impacts.

- ✓ Engaging with Local Environmental Health Officers, who often express concern over proposals and requested that a detailed modelling assessment be carried out

- ✓ Providing evidence of impacts that biomass boiler systems have on local air quality

- ✓ The use of a modelling sofware recognised by regulatory authorities across the UK, including HSE, Environment Agency, SEPA, NIEA and Natural Resources

reheat.uk.com

Delivering detailed air quality modelling analysis and reports

Our reports using advanced dispersion modelling can be tailored to suit your requirements. **They include:**

— Comparison between existing fossil fuel heating emissions and low carbon alternatives

— Air Quality Standards Regulation and Air Quality Management Areas considerations

— Emission analysis from biomass heating system

— Pre and post ESP installation comparison

— Stack height sensitivity analysis to identify optimum solutions
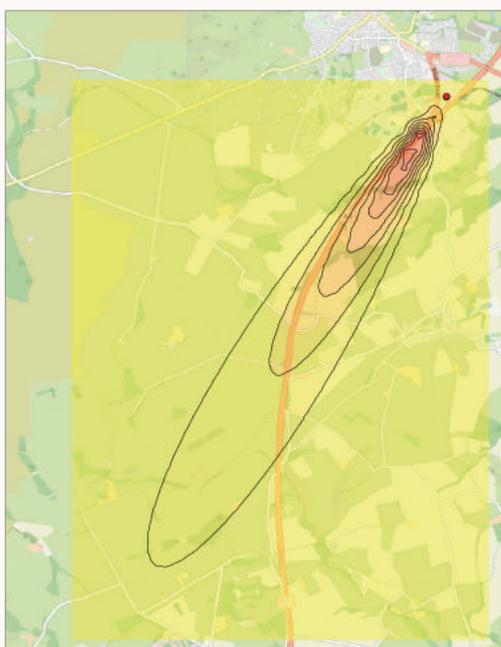
Pollutant	Stack Height	Averaging Height	Existing Individual Gas Boilers	Centralised Energy Centre	AQSR Threshold
			$\mu g/m^3$		
NO_2	20m	1-hour mean	0.6	1.2	2.000
PM_{10}			0.4	0.04	2.08
SO_2			3.0	-	350

Pollutant	Stack Height	Averaging Height	2019	2020	2021	2022	2023	AQSR Threshold
			$\mu g/m^3$					
NO_2	10m	1-hour mean	0.8	1.8	1.2	1.2	1.2	200
	20m		1.8	1.8	1.2	1.2	1.2	
	30m		0.8	1.8	1.2	1.2	1.2	

Pollutant	Stack Height	Averaging Height	2019	2020	2021	2022	2023	AQSR Threshold
			$\mu g/m^3$					
PM_{10}	10m	1-hour mean	0.14	0.05	0.04	0.04	0.04	2.08
	20m		0.05	0.05	0.04	0.04	0.04	
	30m		0.025	0.05	0.04	0.04	0.04	

Our reports contain analysis such as single year emission comparisons, and stack height sensitivity analysis for various pollutants.

Data displayed for illustrative purposes only

Could your project benefit from Air Quality Modelling?

Speak to our team today!