

Members of Sustainable Aviation are committed to playing their full part in improving air quality around airports. To do this, Sustainable Aviation will:

- Continue to engage with local and national stakeholders, to identify and implement further opportunities to reduce emissions;
- Work to improve the sustainability of passenger and staff journeys, to and from airports;
- Support and invest in research to develop technological improvements and to better understand emissions by refining emission calculations;
- Provide the information needed to develop robust and effective policy; and,
- Include details of our work to reduce emissions and improve air quality in our regular progress reports.

Sustainable Aviation will also continue to work with Government and believes that there are several ways in which policy can help to overcome barriers to cutting emissions from aviation which affect air quality:



Focussing on road transport and helping to improve surface access to airports



Expanding low emission vehicle policy support to specialist airport vehicles



Providing policy certainty so that the private sector will invest in sustainable aviation fuels (including the extension of the Renewable Transport Fuel Obligation to jet fuel)



Ensuring that research and development programmes continue to be supported during and after the process of the UK leaving the European Union to continue the excellent work we have underway

About Sustainable Aviation

Sustainable Aviation is a unique alliance of the UK's airlines, airports, aerospace manufacturers and air navigation service providers. SA is the first alliance of its kind in the world.



Together members of Sustainable Aviation are driving a long-term strategy to deliver cleaner, quieter and smarter flying. A full list of members, and reports which detail the progress in reducing aviation's environmental impact are available online.

Working collaboratively

Addressing air quality around airports requires a collaborative approach between the UK aviation industry, national and local Government and public transport providers.

Sustainable Aviation is committed to ensuring the industry plays its full part in improving air quality around airports.



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CLEANER



QUIETER



SMARTER



UK AVIATION AND AIR QUALITY

Our contribution, the challenges and opportunities



www.sustainableaviation.co.uk

Across the UK, there are over 600 locations where health based air quality objectives are not being met – of these, just one includes a top ten UK airport. Road transport is the dominant emission source in these locations.

Emissions at airports are a small proportion of overall UK emissions, with aircraft contributing 1% of UK nitrogen oxide (NOx) emissions and 0.1% of UK particulate emissions which are the key pollutants affecting air quality, with limits set in the UK Air Quality Strategy.

So, what are the emissions from aviation and how do they impact air quality near to airports? Key aviation sources of emissions that affect air quality are:

- Aircraft operations;
- Support vehicles and equipment; and,
- Vehicles accessing the airport.

Sustainable Aviation is committed to ensuring that the aviation industry plays its full part in improving air quality near to airports.

Priority actions for Sustainable Aviation are:

- Reducing aircraft emissions
 - New aircraft entering service are cutting emissions, being 20% more fuel efficient than the aircraft that they are replacing
 - Future aircraft research and technology goals target a 90% reduction in nitrogen oxide (NOx) emissions from 2000 levels by 2050
 - Modernising airspace to reduce aircraft delays and emissions – Over 250 improvements in 4 years have already cut aircraft fuel usage by 30,000 tonnes per annum
 - Sustainable fuels have been proven to reduce emissions, the development and use of sustainable and cleaner aviation fuels must now be supported
- Investing in low emission vehicles and specialist equipment used at airports
- Working with others to reduce emissions from journeys to and from the airport
 - Since 2006 over 11 million extra passengers are using public transport to access 8 major UK airports – over a 5% increase. Developing and promoting public transport is important to reduce congestion and emissions.

