

Airport Environmental Improvement Fund

Guidelines for applying for a grant for
noise insulation

The Bristol Airport Environmental Improvement Fund has been established to invest in a range of local projects which benefit the local community and the environment. Its main purpose is to mitigate the impacts of the Airport's operations and give something back to the surrounding communities who are affected by being situated in close proximity to Bristol Airport. It reflects our aim for sustainable growth by being respectful of the local community and the environment.

Our fund provides grants for a range of projects, including providing noise insulation. These guidelines detail how noise insulation grants are provided. The management of the fund and decision over what grants should be awarded is overseen by a Management Committee made up of airport managers and representatives of the local communities.

What can the community fund grant cover?

The fund can cover some or all of the costs of new double glazing and is available to properties most closely overflowed and impacted by noise from Bristol Airport flights. Depending on where you live you could be eligible for a grant of 100% (up to a maximum of £5,000) or 50% (up to a maximum of £2,500).

How do I know if I am eligible?

In assigning grants for noise insulation the Committee has agreed that applications shall be categorised in order to prioritise:

- Providing noise insulation to those most affected by noise;
- Providing noise insulation to those who have not had a grant for noise insulation from the airport before.

In line with the first element, the committee will consider applications for grants based on the airport's annual noise contours. These are a predictive maps of noise levels in decibels (dB), produced in January of each year.

If you live within the 63dB, 60dB and 57dB noise contours you can apply.

A summary view of the noise contours for 2018 can be found at the end of this document. A more detailed view of our noise contours can be found on our website at:

<http://www.bristolairport.co.uk/about-us/community/local-community/noise-insulation-grants>

For double glazing:

- if you live within the 63dB contour the grant can cover 100% of the cost of the new windows, up to a sum of £5,000;

- if you live within the 60dB and 57dB contours the grant can cover 50% of the cost of the new windows, up to a sum of £2,500;

| Contour you live in | Double glazing costs covered |
|---------------------|------------------------------|
| 63dB | 100% grant up to £5,000 |
| 60dB | 50% grant up to £2,500 |
| 57dB | 50% grant up to £2,500 |

How will my application be assessed?

Being within the noise contour does not mean you will automatically get a grant as there is only a finite amount of funding available each year. Applications will be considered by the Management Committee based on the following priority list.

| Priority | Requirements |
|----------|---|
| 1 | Within the 63dB noise contour area. Never had a grant before. |
| 2 | Within the 63dB noise contour. Had a grant before |
| 3 | Within the 60dB noise contour area. Never had a grant before. |
| 4 | Within the 60dB noise contour. Had a grant before |
| 5 | Within the 57dB noise contour area. Never had a grant before. |
| 6 | Within the 57dB noise contour. Had a grant before |

Should the fund be oversubscribed in any one category then priority will be given to those living closest to the extended centreline of our runway i.e. those closest to overflying aircraft.

In addition, upon request, the Airport has a mobile noise monitor which can be installed at a property for a short duration (approx. 3 weeks) as long as the location is secure and has a power supply i.e. a residents back garden. It will take circa 4 weeks for a report to be provided and the basis of the results and indeed, against the priority listing above, the possibility of a grant could be provided. It needs to be noted that the decision of the Committee is final and this process is established on a case by case basis.

How do I apply?

Complete the Noise Insulation Grant Application Form and attach a quote for the double glazing work. This must be completed by the 1st June in order to be considered at the next Committee Meeting.

| Jan | Feb | March | April | May | June | July | August | Sept | Oct | Nov | Dec |
|-----|-----|-------|-------------------|-----|-------------------------|------|--------|-----------------|-----|-----|-----|
| | | | Apply for funding | | Applications considered | | | Works completed | | | |

As part of the application, you are required to obtain a quote from a company that you wish to use to carry out the work.

Before you obtain a quote, if you first want to check if you fit the eligibility criteria (which contour you reside in) then you can contact the Environment Manager (details at the end of this document).

The Environmental Improvement Fund Committee will, in assessing your application, consider whether the quote you have provided for double glazing represents an acceptable market price and that it fits the requirements below and in Appendix A.

In obtaining your quote you will need to ensure it is for:

- High specification acoustic double glazing or;
- Secondary glazing and;
- Includes adequate ventilation;
- Fits the budget of £5000 (or you have budgeted to account for the remaining costs);
- Is for habitable rooms (this includes bedrooms, living rooms, dining rooms and kitchens but not bathrooms, hallways and landings).

A full specification for the windows is provided in Appendix A. This information should be provided to the contractor to ensure you get the correct windows.

What happens next?

The applications are considered at the next Environmental Improvement Fund Management Meeting, after which you will be contacted to let you know if you have been successful.

- If you are unsuccessful you are welcome to reapply in future years. As more of the higher priority properties are provided with grants, it is more likely that those further down the priority list can be funded.
- If you are successful we will write to you confirming the grant that will be provided. You will then be able to instruct your window contract to undertake the work. After the windows are finished the airport will inspect the works to ensure it is as described in the initial quote. A cheque will then be sent to the resident for the grant amount, made payable to the window contractor.

If you have any further questions then please contact the Airport's Planning and Sustainability Department who can offer advice on 01275 47 5522 or at sustainability@bristolairport.com

Frequently Asked Questions

- How do I find out what noise contour level I am in?

View the contours on our website or at the end of this document.

If you do not have access to the internet then contact the Airport team (details above).

- Why does it only cover certain noise contour levels?

The intention is to provide noise insulation grants to those most affected first. The criteria provide a balance whereby we can invite applications while ensuring that the committee's funds will cover the demand. Depending on uptake, the committee can revisit and revise the criteria in future years. Equally full funding is provided for those most affected by noise where it is felt the funding will have the greatest benefit. This year's scheme is based on the latest predictive noise contours which have been modelled on the 2018 summer schedule.

- How can I find out if my property has ever had a grant for noise insulation before?

There was a previous scheme that provided grants for windows. This was around 2000 to 2001. If you have moved into your property more recently you may not know if you have received a grant for noise insulation before. The Airport team can check the records and advise.

- Why do I need to get my own quote?

By sourcing your own quote for the work you can insure that the work will cover the windows and ventilation you wish to have. Feedback from other similar schemes has been that residents prefer to have control over who supplies the windows and the eventual cost, particularly when part funded. If, through exceptional circumstances, you are unable to organise for a company to provide you with a quote, then please contact the Airport's Planning and Sustainability Department for assistance.

- How long will this grant scheme run for?

It is envisaged that this scheme will run for a few years, while all those who are interested in receiving a grant are given the opportunity. The committee will decide on an annual basis on the appropriateness of the scheme, its uptake and whether the criteria need revising. Please note that *you can only apply for windows once as part of the current process*. This is because applying twice for two sets of work (i.e. your front windows one year and then your back windows the next year) could mean you receive a higher grant amount than if you had applied once.

- If I am renting a property can I still apply?

In order to receive a grant you must have the authorisation of the property owner, so you will therefore need written permission from your landlord. Please attach this evidence to your application.

- If I am unsuccessful what happens to my application?

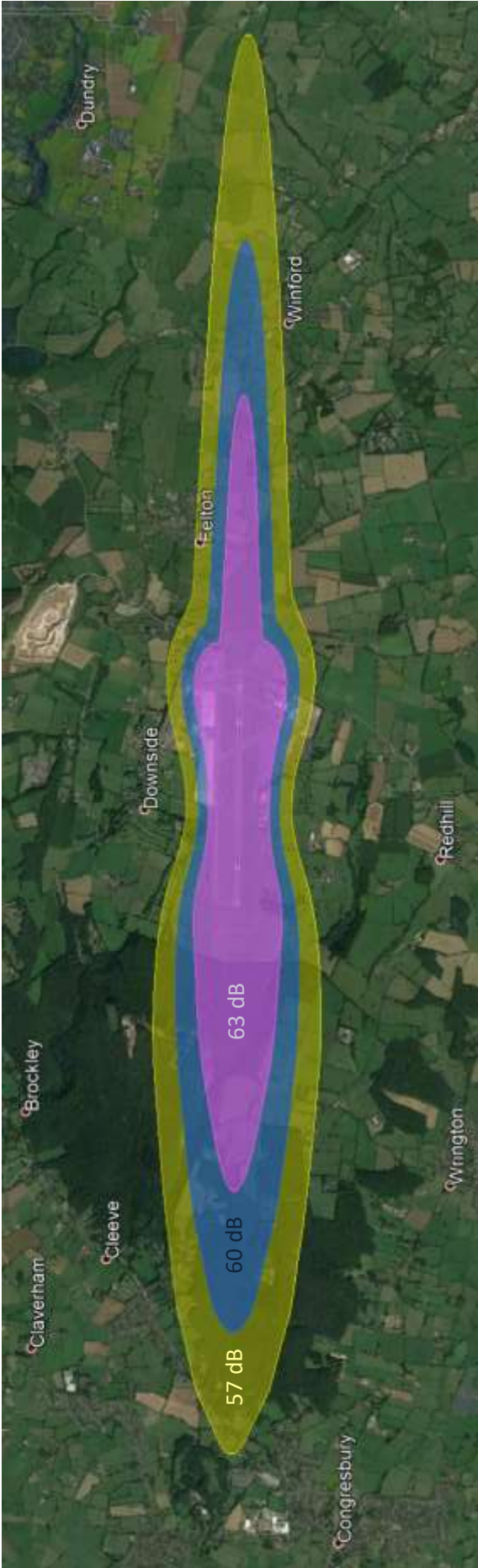
The scheme will consider all the applications received each year, so if you wish to reapply in the following year, please resubmit your application within the timeframes identified.

- I would like to have additional windows fitted, that take the price over the maximum grant amount, or are for windows in a bathroom/hallway/landing. Is this possible?

Any additional work beyond that specified in this scheme will need to be funded by the householder. Ask your contractor to separate the work out so it is clear which elements are covered by you and which will be by the grant.

- I've already had windows fitted. Can I retrospectively apply for funding?

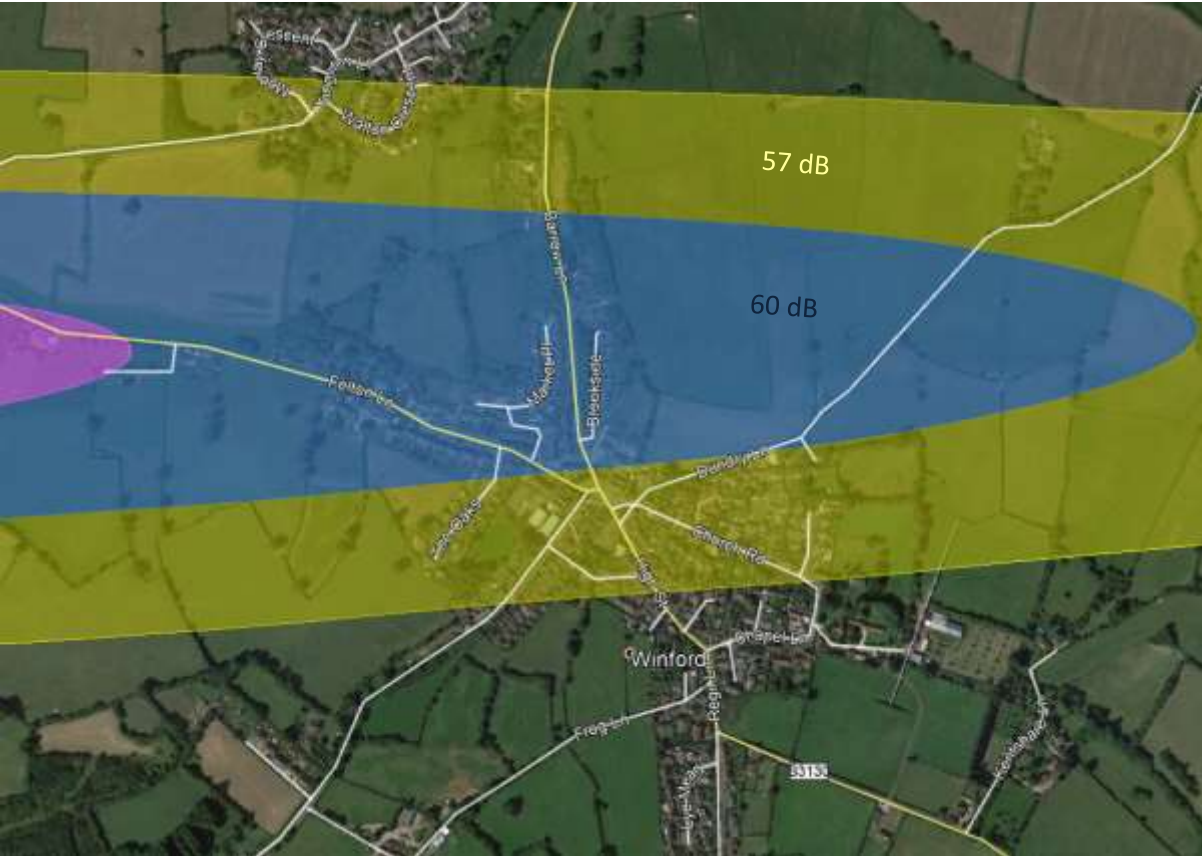
Grants are only available for the future installation of windows unless specifically agreed by the committee.



Close up: Felton



Close up: Winford



Airport Environmental Improvement Fund

Acoustic Specification for Contractors

1. Provision of new glazing:

Where chosen, replacement double glazing works and specification to meet acoustic requirements are as follows:

- Windows of habitable rooms within the dwelling (bedrooms / living rooms / dining rooms / studies/kitchen etc.) can be upgraded with new high performance double glazed units and will be covered by the offer of the grant scheme.
- Additional windows to habitable or non-habitable areas (i.e. halls / bathrooms etc.) can also be upgraded, although are not covered by the grant scheme.
- High performance units shall be formed from a sealed glazing configuration which has at least one laminated pane, and achieves a weighted sound reduction index of R_w38dB , tested and rated in accordance with BS EN ISO 140-3 and BS EN ISO 717 respectively.
- Windows should be adequately openable for means of escape, where required.
- Openable windows should be fitted with double neoprene seals all round.
- Supply and fitting of new double glazed units should be in accordance with any applicable current regulations or standard.
- Windows should not be fitted with trickle vents, unless they achieve the sound insulation performance for passive ventilation as detailed below

2. Provision of secondary glazing:

Where chosen, secondary glazing works and specification to meet acoustic requirements are as follows:

- Windows of habitable rooms within the dwelling (bedrooms / living rooms / dining rooms / studies/kitchen etc.) can be upgraded with new high performance double glazed units and will be covered by the offer of the grant scheme.
- Additional windows to habitable or non-habitable areas (i.e. halls / bathrooms etc.) can also be upgraded, although are not covered by the grant scheme.
- Outer windows made good and effectively sealed by compressible strips or otherwise:
- Secondary glazing should fit within, or cover the full area of the existing window reveal
- Secondary glazing shall be formed by minimum 6mm thick laminated glass panes.

- Separation between outer and inner glazing should be a minimum of 100mm.
- Inner and outer windows should be adequately openable for means of escape, where required.
- Inner windows should be well sealed at junctions and edges by any effective means.
- The reveals between panes may be lined with acoustically absorptive treatments to increase attenuation; however, this is not required to be undertaken as part of the scheme.
- Supply and fitting of secondary glazing should be in accordance with any applicable current regulations or standard.

3. Ventilation

Ventilation is recommended in order to maximise the acoustic benefits of the new glazing, by allowing in fresh air while keeping the windows closed. Ventilation may also be a requirement under Building Regulations. The decision on whether ventilation is required is at the discretion of the householder. Where quoted the fund will ensure the costs are included in any successful grant funding.

- Should replacement double glazing or secondary glazing be chosen, passive or mechanical ventilator unit(s) should be installed in each room where replacement or secondary glazing is fitted.
- The size and/or flow rate of any ventilator(s) must be in line with current regulations and standards, according to rooms sizing and any combustion appliances.
- The sound insulation performance of the ventilator must achieve a minimum laboratory tested element normalised weighted sound pressure level difference of $D_{ne,w}40\text{dB}$.
- If more than one ventilator is required within a room, the performance of each must be increased to $D_{ne,w}40\text{dB}+10*\log(N)$, where N is the total number of ventilators installed within a room.
- Noise levels from mechanical ventilators at the minimum required operational duty should not exceed $35\text{dB}_{L_{Aeq}}$ when measured not nearer than 1m away from the unit or any of the room surfaces, and normalised by the subtraction of $10*\log_{10}(10/A)$, where A is the measured sound absorption in the room in m^2 .
- Noise levels from mechanical ventilators at maximum operational duty should not exceed $40\text{dB}_{L_{Aeq}}$ when measured as above.
- Any existing air bricks or ventilators in habitable rooms should be upgraded to meet the acoustic requirements above.
- Should additional ventilation be required or desired, the passive ventilators should achieve a minimum laboratory tested element normalised weighted sound pressure level difference of $D_{ne,w}40\text{dB}+10*\log(N)$, where N is the total number of vents installed within a room (including active inlet vents)