Tips for a QUIETERHOME®

LOUISVILLE
MUHAMMAD ALI
INTERNATIONAL AIRPORT

C&S COMPANIES®

Your Home

Thank you for inquiring about the QuieterHome Program®. The Federal Aviation Administration (FAA) has determined that certain homes around the airport are eligible for complementary sound insulation improvements to minimize aircraft noise inside the home.

At this time your home is **not** eligible for sound treatment. However, we would like to provide you with some information that will help you take the necessary steps to ease noise levels in your home.

There are several steps homeowner's can take to reduce aircraft noise inside the home. The cost to make improvements to door, window, and fireplace openings can vary from a few hundred dollars to a few thousand dollars. Costs will also depend upon several variables:

- The type of home you live in;
- The number of doors, windows and fireplaces that need to be replaced or repaired;
- Who does the work (hiring a contractor is more expensive than doing it yourself);
- The quality of the installation to insure good seals; and
- The brand of products you choose.

Eligibility

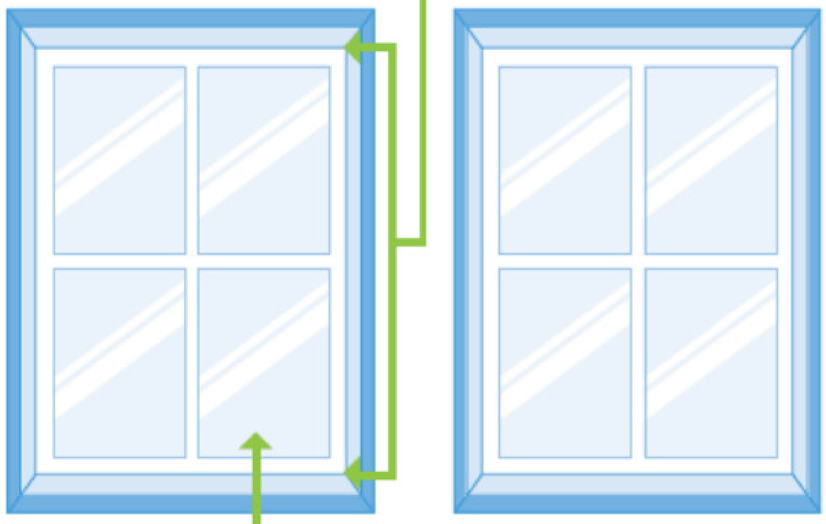
Eligibility for the QuieterHome Program® is determined by the FAA based on the level of aircraft noise impacting the home. Eligible homeowners will be notified in writing.

Where can I go for more information?
www.flylouisville.com

Windows & Doors

Windows are typically the weakest sound-reducing link in a home. Sound travels through a window in two ways:

First, sound will find the path of least resistance through leaks around the window frame and sashes. By reducing the amount of air that leaks around the window, noise can be reduced. Caulking around the window frame or adding new high-quality storm windows can help accomplish this.



Second, the path that sound takes through a window is the glass itself. Sound travels through a medium (air, wood, glass, aluminum, etc.) as vibrations. Generally, the heavier or stiffer an object is, the more resistant it is to vibration. The type of glass that is used can also have an effect on noise reduction. Laminated glass can be effective at reducing noise. Windows designed for airport sound insulation programs are usually made of vinyl or aluminum.

The next weakest noise-reducing element in a home after windows is the doors. If you can feel a draft coming though a door or see light around the edges, then noise is coming in, too.

The first item of consideration is how well the prime door seals when closed. It is easy to inspect the weatherstripping around the door and door casing. If the weatherstripping is tattered, missing, or if you can see light around the door when closed, it needs to be replaced. This is a simple and inexpensive method to reduce noise.

One of the most effective methods of reducing noise entering through exterior doors is to replace both the prime and storm doors with doors specially made to resist the transmission of sound. Prime doors can be obtained in solid wood, steel or fiberglass with a foam core. Storm doors are typically constructed using special sound resistant glass and foam core doorframes. Ideally, both doors need to be sealed to the door frames using magnetic weather strips.

Minimizing the amount of glass in the prime door typically adds to the noise reduction properties of the door.

Frequently Asked Questions

Q **How do I know if my home will be eligible for the QuieterHome Program® in the future?**

A Please give us a call at (866) 345-4445 or email louisvilleqhp@cscos.com; we will review your property in our database and be happy to talk with you.

Q **I recently installed new windows and doors, and it looks like my home is eligible for the Program. Can I get reimbursed?**

A No. According to FAA regulations, similar work completed by homeowners before their home is treated by the Program are not eligible for reimbursement.

Contractor Checklist

Although the airport cannot recommend specific contractors or suppliers of materials, we encourage you to shop around and ask questions. If you are interviewing contractors, you may want to consider asking:

- [ ] What type of insurance do you carry?
- [ ] What brand of product will you be using?
- [ ] Ask to see the Acoustic Test results of any products to be used, or contact the manufacturers directly and ask for this data.
- [ ] What is the manufacturer's warranty?
- [ ] What is the contractor's warranty on the work?
- [ ] Who will be my daily contact on the job?
- [ ] When can you start the work, and how long will it take?
- [ ] What are my responsibilities during the project?
- [ ] Is the price quote what I will actually pay or an estimate?

* **Always ask for references and check them out!**

Manufacturers of Acoustical Doors & Windows

ACOUSTICAL WINDOWS

Milgrad Windows
(800) 645-4273
www.milgrad.com

Harvey Building Products
(800) 598-5400, ext. 7534
www.harveybp.com

Sound Control Systems
(605) 696-6115
www.larsondoors.com

Graham Architectural Products
(800) 755-6274
www.grahamwindows.com

Sound Solutions
(773) 446-7800
www.armacladwindows.com

St. Cloud Window
(800)-383-9311
www.stcloudwindow.com

ACOUTSTICAL DOORS

Therma-Tru
(800) 843-7628
www.thermatru.com

JB Sash
(800) 648-9339
www.jbsash.com

Pem Millworks
(763) 541-1133
www.pemmillwork.com

SWING/SLIDING DOORS:

Sound Solutions
(773) 446-7800
www.armacladwindows.com

St. Cloud Window
(800)-383-9311
www.stcloudwindow.com

This list represents a partial list of typical suppliers of acoustical products. The list does not imply a product endorsement or recommendation by the Louisville Regional Airport Authority (LRAA).

The manufacturer phone numbers and websites are for reference and informational purposes only. Products are typically obtained through a licensed dealer and/or contractor - see websites for additional information. If you have difficulty contacting a manufacturer listed on this insert, the QuieterHome® Project office may be able to help.

Please feel free to give us a call or visit our websit at www.flylouisville.com or (502) 636-2448.