

King County International Airport Sound Insulation Program

King County International Airport's Sound Insulation Program was created to reduce noise inside homes that are most affected by KBFI air traffic. The program was a recommendation from the Airport's Part 150 Land Use & Noise Compatibility Study and was approved by the Federal Aviation Administration (FAA) in 2005. This program is funded through FAA and the Airport following federal guidelines. The program is voluntary and free to the homeowner.

A secondary benefit of the noise reduction program is energy savings. The Sound Insulation Program has installed over 2,795 new windows, 169,725 square feet of insulation, and saved over 4.56 billion BTUs of energy. Annual cost savings to the community have totaled over \$57,500.00. Additional benefits include a reduction in annual greenhouse gases.

The 245 homes that have completed the program as of November 2011 have achieved significant improvements and benefits. On average each house has received:

- ◆ 11 new high efficiency windows,
- ◆ 891 square feet of insulation,
- ◆ 20,229 BTUs of energy savings, and
- ◆ \$254.69 in annual energy savings.

The Sound Insulation Program is a multi-year program treating approximately 100 homes per year at no cost to the homeowners.



In addition to reducing noise, high efficiency windows contribute to significant energy savings.



Did you know?

The Main Airport Terminal Building has:

- ◆ A green roof for improved insulation and stormwater management
- ◆ High-efficiency windows and HVAC system
- ◆ Recycled glass terrazzo floor with a 70-year life cycle

The Taxiway Alpha Rehabilitation Project (to be completed in 2012) will:

- ◆ Recycle 40,000 tons of asphalt and concrete
- ◆ Install new LED lighting that will save \$1,967 annually in energy costs
- ◆ Improve groundwater recharging through removal of impervious pavement

