



NoiseQuest Educational Website



Mission Statement

The goal of NoiseQuest is to develop and maintain a website that is a resource for both airports and communities, and that provides educational information on aviation noise.

The intent is to have a user friendly, informative site that is readily accessible to the public, understandable at a high school educational level, and that enhances airport and community relationships.

Objectives

To provide information to the general public about airport noise and its effects.

To facilitate positive interactions between airports and communities through education.

To support the outreach programs that currently exist, and provide an outreach forum for airports too small to have an established community program.



Topics include:

Source

- Noise Basics
- Aviation Noise Sources
- Helicopter Noise
- Military Aircraft Noise: Sonic Boom
- The "Silent Aircraft"
- How an Aircraft Works
- Sources of Community Noise
- Continuous Descent Approach



Community

- Sound Perception and Hearing
- Effects of Aviation Noise on Wildlife
- Residential Sound Insulation Programs
- Reducing Noise Inside a House



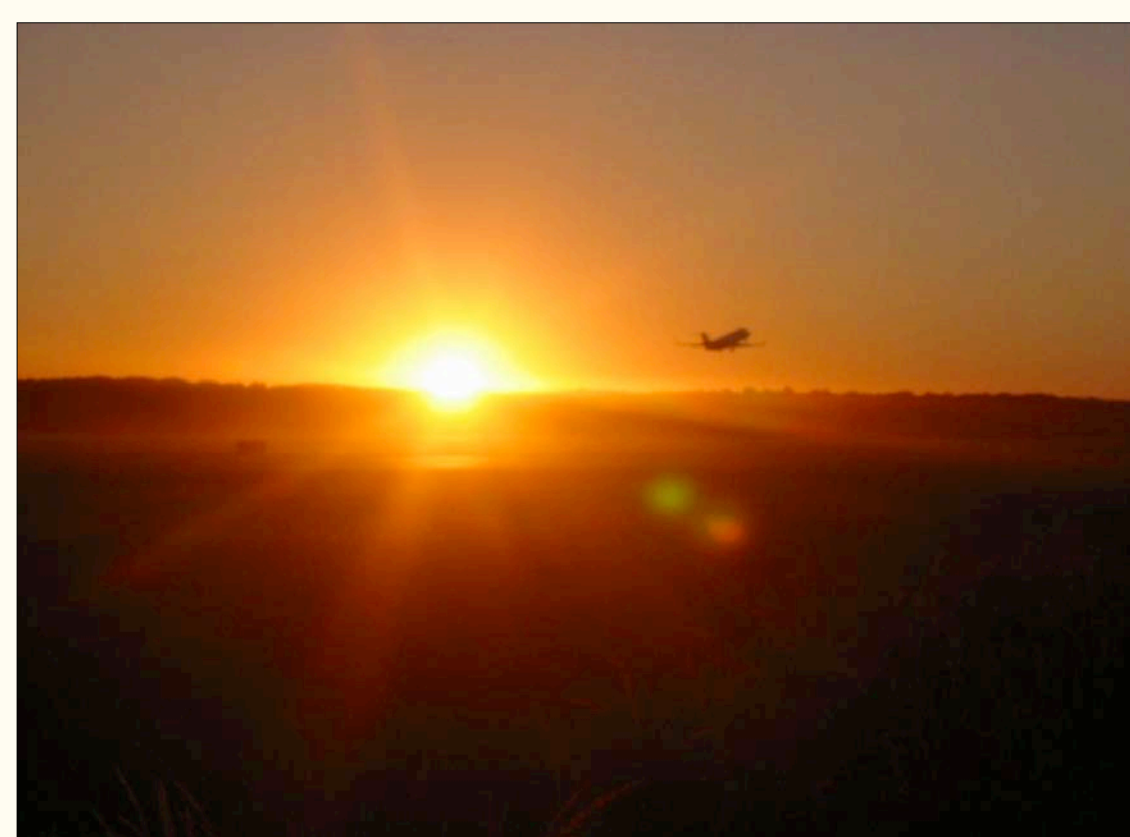
Path and Mitigation

- General Airport Operations
- Flight Air Traffic Control (ATC)
- A Brief History of Noise Regulations
- Federal Aviation Regulations
- The FAR 150
- Noise Models
- Weather Effects
- Noise Mitigation Technologies
- Roles and Responsibilities

Spring 07 Website Under Construction

By NoiseQuest Team Members at:
 Federal Aviation Administration (Sponsor)
 Penn State Applied Research Laboratory
 Penn State Graduate Program in Acoustics
 Penn State Institutes of Energy and the Environment
 Purdue Aviation Technology Department
 Purdue Mechanical Engineering Department
 Metropolitan Washington Airports Authority
 Wyle Research Laboratory

NoiseQuest Arrives!!



Fall 07 Public Release of NoiseQuest Version 1