



About Avon Park Air Force Range

Avon Park Air Force Range (APAFR) plays an important role in the training of the men and women that defend our nation. The largest bombing and gunnery range east of the Mississippi River, APAFR has approximately 400 square miles of restricted airspace and 1,000 square miles of military operating area. Located in central Florida in Polk and Highlands Counties, APAFR's 106,000 acres provide an important training facility for active duty, guard, and reserve military units from the Army, Navy, Air Force, Marines, and Coast Guard, and for special operations and Homeland Security personnel.

Florida is known as a military-friendly state and is home to 1,617,248 military veterans. Over 73,000 military and national guard personnel and 25,000 civilian personnel live in Florida. The total statewide economic impact of the military in Florida is \$73.4 billion dollars annually. In addition to the security that well-trained military and civilian forces provide, Polk County receives many benefits from the military presence including an annual economic impact of \$765.9 million.

Additional information is available at:

www.cfrpc.org/JLUS-AvonParkAFR

Sound Mitigation Near Airports

Avon Park Air Force Range Surrounding Area Map



A Brochure for Homeowners Remodeling or Constructing Homes in the Vicinity of an Airport



Learn how to reduce noise in your home and protect your investment





Sound vs Noise

Sound

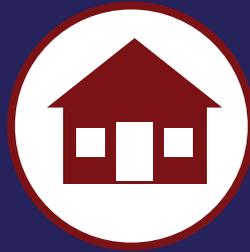
Sound is a part of our daily lives. We wake up to alarms, listen to the radio or watch the news on the television before we leave home.

Some sounds are pleasant – a laughing child, a purring kitten or a musical play. Others are not—sirens screeching down the highway, the rattle of the garbage truck on the street in the early morning or the roar of aircraft departing the nearby airport at night. When sounds are unwanted they are referred to as “noise”.

Aircraft Noise

Communities located near civil and military airports experience many economic benefits, but are also exposed to aircraft noise. Depending on the level of exposure, the noise may interfere with typical daily indoor activities, such as watching television, talking on the telephone, and sleeping.

A builder or homeowner can reduce the level of indoor noise exposure and improve the energy efficiency of an existing or new home through the use of proper techniques and materials.



Reducing Noise in Your Home

Windows - Replacing windows with acoustical windows, or adding acoustical storm windows over existing windows is often the single most important modification.

Doors - Solid core or heavy doors protect better than hollow, light-weight doors. Acoustical doors or acoustical storm doors should be used along with weather stripping.

Walls & Ceilings – Brick is better than siding – and more energy efficient! Homes with lightweight walls and ceilings should add layers of gypsum board or other materials.

Skylights - Skylight recommendations are adding secondary interior glass panels, replacing the units with special acoustical skylights, or simply removing them.

Fireplaces - Fireplaces should have an acoustical chimney-top damper or tight-fitting glass doors over the fireplace.

Air Conditioners - Window-mounted or through-wall air conditioners should be removed to achieve the noise reduction goal.

Exhaust Fans - Kitchen range hood or in-wall fans that duct to the exterior should be replaced with ductless models.



Costs and Benefits

Sound Insulation Costs

While the cost to retrofit a home for sound insulation can vary between \$15,000 and \$45,000, the cost to build a new sound attenuated home is only slightly higher than the cost to build a standard home.

Benefits of Sound Insulation

Residential sound insulation can reduce the intrusion of outside noises, such as passing aircraft. It can improve the quality of life for residents and support continued aircraft operations.

Other benefits include:

- ✓ Improved indoor acoustics
- ✓ Healthier indoor air quality
- ✓ Reduced greenhouse gas emissions and carbon footprint
- ✓ Save money on energy costs