

LAX Community Noise Roundtable

Aviation Noise News Update
January 12, 2011



Noise Grants Awarded in Fiscal 2010

- **\$206.4 million awarded to 39 airports**
- **\$159.4 million awarded for sound insulation**
- **\$1.3 million for noise compatibility studies**
- **\$37.04 million for land acquisition/easements**
- **\$8.5 million for other noise mitigation projects**
- **LAX received \$10 million for residential sound insulation sponsored by the City of Inglewood**

Airport Noise Symposium Program

- **University of California at Davis Symposium on Aviation Noise and Air Quality to be held in Tucson February 27 – March 3**
- **Topics to be covered include:**
 - RNAV/RNP and NextGen
 - Future flight tracking
 - Is Part 150 still viable?
 - Better Follow Through and Planning (Decaying Sound Insulation)
 - Protecting Land Around Airports and disclosing impacts
 - Giving communities an effective voice

<http://www.cevs.ucdavis.edu/confreg/index.cfm?confid=517>

Improve INM Accuracy for GA Aircraft

- **Airport Cooperative Research Program seeking contractor for this project**
- **Goals of program include:**
 - Assess predictive accuracy of INM for GA aircraft
 - Identify causes of deviations between actual and predicted values
 - Identify solutions to improve model accuracy
- **Project expected to begin in early May and take 20 months**

<http://apps.trb.org/cmsfeed/TRBNetProjectDisplay.asp?ProjectID=3038>

NASA - Advanced Aircraft Concepts

- **Identify advanced concepts for airliners entering service by 2025**
- **Concepts should:**
 - Lower noise created by the aircraft
 - Cleaner exhaust
 - Lower fuel consumption
- **New technology referred to as N+2, which stands for technology that is two generations more advanced than what is available today**

http://www.nasa.gov/home/hqnews/2010/dec/HQ_C10-076_Advcd_Aircraft.html

PFCs Used for Noise Mitigation Projects

- Since 1992, four percent of PFCs collected (\$3.17 billion) devoted to airport noise mitigation projects
- \$1.30 billion for soundproofing
- \$492.1 million for purchasing of land
- LAX listed as number one of top 20 airports utilizing \$788.4 million PFC revenue for noise mitigation projects

Oversight of NextGen Implementation

- **Rep. John L Mica(R-FL) and Rep. Thomas E. Petri (R-WI) leading effort**
 - **Improve efficiency of National Airspace System**
 - **Reduce fuel burn and environmental impacts**
 - **Improve passenger experience**
- **Measurable benefits can be realized within a few years**
 - **Use equipment already in aircraft**
 - **Development of new procedures**
 - **Enhance sharing among FAA and airspace users**
 - **Reduce delays**

<http://transportation.house.gov/News/PRArticle.aspx?NewsID=1027>

Southwest Implements RNP Procedures

- **Southwest Airlines implements Required Navigation Performance (RNP) procedures at nine airports, including LAX**
- **RNP is satellite-based navigation**
 - Accuracy of global positioning system
 - Capabilities of advanced avionics
 - New flight procedures
- **RNP reduces environmental impact with a more efficient operation**
- **RNP part of NextGen implementation**

Airbus Offers Noise Reduction Engines

- **New engine options for A320 family (A321, A320, A319 models)**
- **Provide noise benefit with a 50% noise reduction demonstrated in early testing**
- **Offer 15% fuel savings**
- **CO2 and NOX double-digit emissions reductions**

<http://www.airbus.com/en/corporate/ethics/environment/economics/articles/detail/airbus-offers-new-fuel-saving-engine-options-for-a320-family/>

AEDT News

- **Target release date for AEDT 2b is 2013**
 - **FAA's Integrated Noise Model (INM)**
 - **Emissions Dispersion Modeling System (EDMS)**
- **INM and EDMS will sunset with the release of AEDT 2b**
- **INM 7.0c expected to be released in 2011**
 - **Updated standard aircraft substitution list**
 - **Expand aircraft available in INM**
 - **Boeing 787**
 - **Boeing 747-800**
 - **Embraer 170 and 190**
 - **Bell helicopters**