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

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

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
• 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

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

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