

LAX Community Noise Roundtable

Aviation Noise News Update
July 14, 2010



FAA Reauthorization

- **Congress recently passed a bill to extend FAA's operating authority through August 1, 2010**
- **This is the 14th such extension since the last FAA authorization expired in 2007**
- **Recommend the Roundtable consider sending letters to your representatives in the House and Senate urging immediate passage of the Reauthorization**

Ground Noise Modeling

- **Study finds the current weakness in modeling taxi noise at airport is the source noise data**
 - NOISE-CON 2010 meeting - p. 58



Pratt & Whitney Tests New Engine

- **Pratt and Whitney's PurePower family of engines is designed to power the next generation of passenger aircraft**
- **Early testing indicates a 50% reduction in noise**
- **Boeing and Airbus deciding whether to offer re-engine kits**
 - Boeing 737 aircraft
 - Airbus A320 aircraft

ADS-B by 2020

- **FAA issues final rule requiring airlines to equip for ADS-B by 2020**
- **Major milestone for the implementation of NextGen**



Santa Monica Airport is in the news...

- **Santa Monica demands the FAA complete a full environmental impact statement (EIS) on the departure procedure change**
 - 180-day test ended in June
 - Intended to separate piston and jet aircraft
 - Communities assert increase in noise
- **CA Assembly passes resolution asking the feds to collaborate on noise (and emissions) at Santa Monica Airport**

Voluntary Curfew at Burbank

- **Airlines will not enter contract agreements to make voluntary curfew binding**
 - Fear of setting national precedence
- **Burbank-Glendale-Pasadena Airport Authority tried this approach after the FAA rejected their use restriction via Part 161**
- **Authority pledges to continue efforts to address noise**

CLEEN Contracts Awarded

- **FAA awarded \$125 million in contracts to cut aircraft noise and emissions**
- **The contracts went to:**
 - Boeing
 - GE
 - Honeywell
 - Pratt & Whitney
 - Rolls Royce – North America
- **They are to develop and demonstrate technologies that will reduce fuel consumption, emissions and noise**



Avigation Easements Unconstitutional

- **The Oregon Land Use Board of Appeals ruled June 30, 2010 that avigation easements on property owners is unconstitutional**
 - **City of Hillsboro, Hillsboro Airport near Portland, OR**

Airport Noise Restrictions – Top Priority

- The number one priority of the United States in negotiating the “Second Stage” Aviation Open Skies Agreement with the European Union was to get the Europeans to:
 - Accept limits on their imposition of airport noise restrictions
- EU agreed to conduct cost/benefit analysis
- EU did not agree to federalize the approval of local airport noise restrictions
 - U.S. continues to tempt EU

Airport Cooperative Research Program (ACRP)

- **ACRP carries out applied research on problems that are shared by airport operating agencies.**
- **Funded by FAA, administered by TRB:**
 - Funding in FY10 at \$15M
 - Funding in FY11 at \$15M
- **Project Selection Process:**
 - Problem statements submitted by individuals
 - Problems selected by ACRP Oversight Committee

ACRP FY10 Projects

- **02-24: Guidelines for Airport Sound Insulation Programs**
- **Objective: Develop updated guidelines for sound insulation of residential and other noise sensitive buildings for potential use by airport and non-airport sponsors to develop and effectively manage their aircraft noise insulation projects.**
- **Budget: \$200,000**
- **Status: contractor selected**

ACRP FY10 Projects

- **02-26: Assessing Aircraft Noise Conditions Affecting Student Learning**
- **The objectives of this study are (1) to identify and evaluate conditions under which aircraft noise affects student learning, and (2) to identify and evaluate one or more alternative noise metrics that best define those conditions.**
- **Budget: \$450,000**
- **Status: Contractor selected**

ACRP FY10 Projects

- **02-27: Aircraft Taxi Noise Database for Airport Noise Modeling**
- **The objective of this research is to develop a NPD and spectral class database for nominal taxi, break-away, and idle thrust levels for use in FAA's INM as it transitions into the AEDT. The database will be presented in a spreadsheet format and will encompass the fixed-wing fleet mix provided in INM/AEDT.**
- **Budget: \$150,000**
- **Status: Contractor selected**

ACRP FY11 Problem Statements

- **Multimodal Transportation Environmental Analysis Tool**
- **Updating the Schultz Curve to 2012**
- **Assessment of Longevity, Effectiveness and Maintenance of Acoustical Products Used in Residential Sound Insulation Programs**
- **Development of an Aircraft Noise Complaint Handling System**
- **Understanding noise-induced sleep disturbance in managing aircraft noise and improving public perception**
- **Predicting Community Reactions to Changed Aircraft Operations**
- **New Techniques for Airport Noise Problem-Solving**

ACRP FY11 Problem Statements

- **Recommend the Roundtable write a letter to Gina Marie, as a member of the ACRP Oversight Committee (AOC) to urge her support of the aforementioned ACRP problem statements for FY11**
- **For additional information:**

<http://www.trb.org/ACRP/ACRP.aspx>