



LAX Community Noise Roundtable

Work Program C6

Review/Suggest ACRP FY2014 Problem
Statements for Research Consideration

July 10, 2013



- **ESA Airports reviewed all 115 of the FY2014 ACRP Problem Statements**
 - 7 project continuations, 46 recommended by the ACRP Review Panel, 62 not recommended by the Review Panel
- **Segregated out the 28 noise-related Problem Statements for the Roundtable's consideration**
- **Developed list of 14 "Recommended" and 14 "Not Recommended" projects based primarily on the potential benefits of the research to communities near LAX**
- **The Roundtable's project recommendations must be received by ACRP within the next couple of days**
- **ACRP will meet on July 14, 2013 to select the 2014 projects**

ACRP FY2014 Problem Statements for Research Consideration



Recommended			
No.	Title	Funding Allocation	Potential Benefit to Communities Near LAX
14-01-11	Community Engagement with NextGen	\$300,000	Improved understanding of NextGen process.
14-01-12	NextGen Primer	\$750,000	Improved understanding of NextGen process.
14-02-03	Hard and Soft Ground Sound Absorption Methodology for AEDT/INM	\$250,000	Refined modeling of aircraft noise in the vicinity of LAX.
14-02-19	High Altitude Aircraft Noise Methodology for AEDT/INM	\$460,000	Refined modeling of aircraft noise in communities more distant from LAX.
14-02-21	Design and Implement a Program to Assess Whether Helicopter Noise Annoyance is Significantly Different from Jet Aircraft Noise Annoyance	\$700,000	Better understanding of helicopter noise annoyance.
14-02-24	Optimization of Aircraft Flight Procedures for Noise Reduction Beyond DNL 65	\$0	Residents/students in areas less than 65 CNEL might benefit from this research.
14-02-26	Energy and Environmental Benefit of Electrified Taxi Options to Airports	\$300,000	Better understanding of noise benefits of electrified aircraft taxiing as well as the drawbacks.
14-02-27	Determining Whether Unmanned Aircraft Systems (UAS) Will Have Environmental and Energy Influences at Airports	\$400,000	Better understanding of the potential noise impacts associated with UAS.
14-02-28	Evaluation of Noise Level Reduction Test Methods	\$300,000	A consistent approach to determining the indoor CNEL for residential sound insulation programs.
14-02-29	Assessing Aircraft Noise Conditions Affecting Student Learning - Case Studies	\$600,000	Additional information on the effects of aircraft noise on learning.
14-02-33	The Effects of Buildings on Airport Noise Contours	\$250,000	Refined aircraft noise modeling where buildings do or could play a role in attenuating aircraft noise.
14-02-34	Guidance for Modeling noise for Non-Standard Aircraft Profiles	\$500,000	Improve future noise modeling efforts for the LAX environs.
14-03-11	NextGen Procedure Changes for Airspace and Aircraft Efficiency and Optimization	\$500,000	Improved understanding of NextGen process.
14-03-15	Airport Planning and NextGen	\$500,000	Early incorporation of noise reduction strategies into airport planning and environmental initiatives at LAX.

ACRP FY2014 Problem Statements for Research Consideration



Not Recommended

No.	Title	Funding Allocation	Potential Benefit to Communities Near LAX
14-01-06	Consistent Data Reporting by Airports	\$200,000	The noise benefits of this research effort are unclear.
14-01-09	Managing Relationships with Airport Stakeholders, Partners, and Users	\$200,000	None. LAWA and LAX Community Noise Roundtable already enjoy a mature, open relationship.
14-02-05	Environmental Aircraft Landing Charges for Airport Local Air Quality and Noise Management	\$0	None. Noise-related landing fees are unlikely to be transferable to the U.S.
14-02-08	Guidebook on Accommodating Engineless Taxiing at Airports	\$0	Should engineless taxiing become commonplace at LAX, a guidebook may be useful at that time.
14-02-12	Methodologies to Monetize Airport Level Energy and Environmental Impacts	\$0	It is unclear that the proposed research would directly benefit communities near LAX.
14-02-13	Improving/Revising Airport Noise Compatibility Planning (Part 150) with AEDT	\$0	None. The proposed research project is redundant of efforts that will be undertaken by FAA.
14-02-14	Methodology to Improve AEDT Quantification of Terminal Area Aircraft Performance	\$0	None. The proposed research project is premature.
14-02-18	Environmental and Capacity Interdependencies of Arrival, Departure, and Surface Operations	\$0	None. The proposed research project is unnecessary.
14-02-20	Guidance to Assist Airports in Determining the Environmental Benefits of Implementing Intersection Departures	\$0	None. The proposed research project is unnecessary.
14-02-22	Aircraft Flight Simulator Tool for Modeling Flight Profiles	\$0	None. The proposed research project is unnecessary.
14-02-23	Optimization of Aircraft Fuel Consumption in the Terminal Area		Unclear. ACRP is an airport-focused research effort. This research effort appears to be geared toward airlines.
14-02-30	Noise Measurement Procedure for Federally Funded Airport Sound Insulation Programs	\$0	Similar to 14-02-28 at twice the cost. See 14-02-28 benefits.
14-03-06	Develop NextGen Primer for Airports	\$0	Limited. There are other resources available or under consideration for research that are likely to provide the information covered by this proposed topic.
14-03-12	Aligning Community Expectations with Airport Roles	\$0	Limited. May help some elected officials/community members understand airline decision making.



Questions?