



## COMMUNITY NOISE FORUM

Louisville Regional Airport Authority  
PO Box 9129  
Louisville, KY 40209-0129

### **Louisville Regional Airport Authority 2019 Community Noise Forum Report**

The Community Noise Forum (CNF) was established by the Louisville Regional Airport Authority (LRAA) as part of its Noise Compatibility Program complied under Federal Aviation Regulation (FAR) Part 150. The CNF is a successor to the Noise Compatibility Study Group that was instrumental in developing recommendations for the Part 150 Noise Compatibility Study Update which was submitted to the Federal Aviation Administration (FAA) in January, 2003.

The primary mission of the CNF is to monitor the implementation of the Noise Compatibility Program by assessing the effectiveness of its component measures, formulating proposed changes and refinements, and collecting information and materials to facilitate future Program updates.

Under its charter the CNF has representatives from all components of the airport community including airlines, other aircraft operators, businesses, sensitive facilities, residents, management, and government. It meets bi-monthly, makes decisions by consensus, and from time to time establishes working groups for further study of issues. Bob Slattery, LRAA Noise/Environmental Programs Coordinator, provides invaluable assistance to the CNF through information updates on issues and technical and logistical support for meetings. (See Appendix A for CNF membership list)

Following is a summary of the issues and concerns on which the CNF has focused:

#### **14 CFR Part 150 (Part 150) Overview**

Part 150 sets forth a process for airport proprietors to follow in developing and obtaining FAA approval of programs to reduce or eliminate incompatibilities between aircraft noise and surrounding land uses. Two formal submissions to the FAA are required under Part 150: the Noise Exposure Map (NEM) and the Noise Compatibility Program (NCP).

#### **Part 150 Noise Exposure Maps (NEMs)**

The LRAA completed its first Noise Exposure Map in 1993. The official NEM provided maps for the existing and future conditions of 1991 and 1997, respectively. The FAA found the NEM in compliance with 14 CFR Part 150 requirements and accepted the NEM October 13, 1993. The original maps were updated in 2003, when the LRAA

submitted updated Noise Exposure Maps for 2003 and 2008. The FAA found the 2003 and 2008 NEMs in compliance with 14 CFR Part 150 requirements effective on November 18, 2003.

Subsequently, the LRAA has completed 2 additional NEM updates:

- In 2011, the LRAA submitted updated Noise Exposure Maps for 2011 and 2016. The FAA found the 2011 and 2016 NEMs in compliance with 14 CFR Part 150 requirements effective on April 7, 2011.
- On December 23, 2016, NEMs for 2016 and 2021 were submitted to the FAA. The FAA found the 2016 and 2021 NEMs in compliance with 14 CFR Part 150 requirements effective August 10, 2017.

The CNF formed the core advisory group during these NEM updates. The members were responsible for representing their constituents throughout the NEM update process, as well as reviewing and commenting on project material provided by the consultant. The CNF also provides a medium for discussion of complex issues and sharing of differing perspectives on aircraft noise issues.

### **Part 150 Noise Compatibility Program (NCP)**

The LRAA developed the first SDF 14 CFR Part 150 NCP in 1993. A revised NCP was submitted to the FAA in 2003 and included a mix of noise abatement, program management, and land use elements. The FAA's Record of Approval (ROA) for the 2003 NCP was issued in May 2004. The FAA issued an updated ROA in August 2009.

### **Sound Insulation**

NCP measure M-3 calls for the sound insulation of residential areas north of the airport within the DNL 65 contour. The QuieterHome Sound-Insulation Program was launched in 2008. This is a voluntary program which offers customized, sound-insulation treatments designed to reduce aircraft noise within the home. By the end of calendar year 2015 phases 1-7 had been completed and sound-insulation treatments had been installed in the homes of 542 families.

The 2016 NEM update identified additional homes within the DNL 65 contour on Forecast (2021) NEM. The airport is currently moving forward with the consultants, C&S Engineers, developing additional phases of the sound-insulation program in order to reduce interior noise levels for these additional homes.

As part of its continued commitment to the FAA in the LAIP EIS, the LRAA is also working with the University of Louisville (U of L) to develop plans to minimize aircraft noise in eligible buildings on the University's Belknap Campus, just north of the west parallel runway. The LRAA recently conducted a Noise Mitigation Program Study at the Belknap Campus. Phase 1 of this study identified the buildings on the campus that were eligible for noise mitigation measures in order to reduce the impact of aircraft noise. Acoustical testing has been completed on a total of twenty-four (24) buildings that were

determined to be potentially eligible for sound insulation treatments. Based on the results of the acoustical testing, eight (8) of the twenty-four (24) buildings were determined to be eligible for either full or partial acoustical treatment.

The CNF has been supportive and engaged in all phases of the sound insulation program. It will continue to monitor the implementation of the program and offer input to its formulation.

### **Land Use Planning**

Legislation introduced in the Kentucky General Assembly would provide Kentucky residents who reside near an airport with a current NEM a refundable income tax credit to reimburse homeowners in the 60 dB DNL and higher noise contours of commercial airports for up to 100 percent of the cost of sound insulating their homes.

This proposed legislation would create a new section of KRS (Kentucky Revised Statutes) to create the refundable tax credit. Developed by the Airport Neighbors Alliance, a coalition of communities impacted by noise from Louisville International with support from the CNF, the bill was introduced to help residents near Louisville International Airport who are in the 60 dB DNL contour and not eligible for the airport's residential sound insulation program.

### **Airspace**

By working closely with the airlines and the FAA, the CNF helps to ensure that potential changes in the local airspace or flight procedures meet the intent of the NCP. When RNAV SIDs were developed for SDF, the group met with representatives from the Air Traffic Control Tower to review proposed procedures and offer important feedback.

In 2018 the CNF established a working group to investigate concerns regarding aircraft overflights in areas south of the airport. Utilizing technical support provided by Captain Jonathan Bonds of UPS and the LRAA, the working group determined that increasing the utilization of current RNAV departure paths recommended in the Airport's NCP through the use of a procedure called Open Standard Instrument Departure (Open SID) may help to reduce overflights for many areas both north and south of the airport. In September 2018 the CNF recommended implementation of a pilot program in which UPS would utilize open SID's during its nighttime operations.

Currently, the CNF is involved in an airspace study of the Louisville area and beyond. On March 9, 2017, CNF Working Group members were invited to attend an airspace meeting held at UPS. At this meeting the FAA gave an overview of the study process and presented some initial study recommendations. As this study progresses into the design and implementation phases it is expected the CNF will continue to be a key component in the public participation process.



## **Community Input**

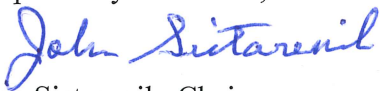
Community participation and the dissemination of accurate information are critical to addressing aircraft noise issues and concerns. At each CNF meeting community members are provided a direct link to forum members and airport staff. The community at large is given the opportunity to provide input on noise abatement procedures or ask questions regarding any aspect of the airport noise compatibility program. Issues and concerns can also be shared directly with airport staff through the airport's website or by phone. All issues and concerns are investigated and reviewed at each CNF meeting.

## **FlyQuiet Award**

In order to promote the noise compatibility program and recognize the support of organizations and individuals committed to noise reduction efforts at Louisville International Airport, the CNF developed a FlyQuiet award in 2013. Since 2013 nine awards have been presented to airlines, FAA, elected officials, community members, aircraft operators, and airport staff (Appendix B) in recognition of their dedication and support of the NCP and CNF.

The CNF will celebrate its sixteenth anniversary on April 17, 2019. The CNF continues to assess, revise, and reinvigorate procedures and actions to help better serve its mission of improving noise abatement and mitigation at Louisville International Airport. With the continued cooperation of all CNF stakeholders, we are confident of more improvements in the future.

Respectfully submitted,



John Sistarenik, Chair  
Community Noise Forum

## Appendix A. Membership List



# COMMUNITY NOISE FORUM

## Member List

<u><i>First Name</i></u>	<u><i>Last Name</i></u>	<u><i>Representing</i></u>
Tom	Foote	01. Airline Affairs
John	Sistarenik	02. ANA
William	Tate	03. FAA
Mike	Moore	04. General Aviation
Jason	Schmidt	05. KYANG
Mary Rose	Evans	06. LRAA Board
Dan	Mann	07. LRAA Management
Brian	Sinnwell	07. LRAA Management
Verna	Goately	08. Metro Government
Aaron	Rosenblum	09. Northeast
Vacant	Vacant	09. Northeast (alt)
Mike	Zanone	10. Northwest
Vacant	Vacant	10. Northwest (alt)
Denny	Thompson	11. Southeast
Vacant	Vacant	11. Southeast (alt)
John	Greathouse	12. Southwest
Vacant	Vacant	12. Southwest (alt)
Ken	Dietz	13. UofL
Tom	Foote	14. UPS
Vacant	Vacant	15. Southern Indiana



## COMMUNITY NOISE FORUM

### FlyQuiet Award Recipients

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Awardee	Organization	Date
SDF ATCT/TRACON	Federal Aviation Administration	November 2013
United Parcel Service	United Parcel Service	November 2013
Bob Slattery	Louisville Regional Airport Authority	November 2013
Mary Rose Evans	Airport Neighbors' Alliance	November 2014
Pete Levermore	United Parcel Service	November 2015
C&S Engineers	C&S Engineers	November 2015
Representative Jim Wayne	Kentucky House of Representatives	November 2016
John Sistarenik	Airport Neighbors' Alliance	November 2016
Captain Jonathan Bonds	UPS Airlines	November 2018