

O'Hare Monitor



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ONCC Re-elects Leadership

The O'Hare Noise Compatibility Commission (ONCC) at its Annual Meeting in March unanimously re-elected Arlington Heights Mayor Arlene J. Mulder and Harwood Heights School District 86 Superintendent Dr. Raymond J. Kuper as chairperson and vice chairperson, respectively. Both have served in their positions since the Commission's inception.



Mulder thanked the ONCC members for their support and numerous contributions to the success of the Commission and its mission to reduce aircraft noise. She also commended Chicago Mayor Richard M. Daley, who founded the ONCC in 1996, and Chicago Aviation Commission John Roberson for their leadership.

"It's been my privilege to have served as your chairperson for the past eight years," Mulder told the ONCC membership. "It's an honor to be chosen to continue serving this Commission."



"It's been a joy to work with so many people who deeply believe in public service," said Kuper, who also chairs the ONCC School Sound Insulation Committee. "The Commission's impact on improving the learning environment for thousands of students in more than 100 schools cannot be overstated. It is one of the City of Chicago's and the Commission's great accomplishments."

Technical Committee Briefed on Draft O'Hare Modernization Environmental Impact Statement

The ONCC Technical Committee, chaired by Palatine Mayor Rita Mullins, was updated recently on the Environmental Impact Statement (EIS) process related to the O'Hare Modernization Program. The briefing was given at the committee's January meeting by Richard Kula, Community Planner for the Chicago Airport District Office of the Federal Aviation Administration (FAA). He is responsible for the aviation planning, forecasting, and demand-capacity analysis for the EIS.

Kula reviewed for the committee the various OMP alternatives, noise analyses and scenarios contained in the draft EIS. He explained that the various environmental consequences, including noise impacts and land use, were evaluated for all of the scenarios and that the final Record of Decision for the OMP EIS will contain specific aircraft noise mitigation recommendations. The Draft OMP EIS is available online at <http://www.agl.faa.gov/OMP/DEIS.htm>. The ONCC remains neutral on the OMP, but remains involved in the EIS process as it concerns the specific issue of aircraft noise impacts.

Commission Members

Municipalities

- Arlington Heights
- Bartlett
- Bellwood
- Chicago
- Des Plaines
- Elmwood Park
- Franklin Park
- Hoffman Estates
- Melrose Park
- Mount Prospect
- Niles
- Norridge
- Northlake
- Oak Park
- Palatine
- Park Ridge
- River Grove
- River Forest
- Rolling Meadows
- Rosemont
- Schaumburg
- Stone Park
- Cook County

School Districts

- 59 Elk Grove Village, Des Plaines, Arlington Heights, Mount Prospect
- 63 Des Plaines, Niles, Morton Grove, Glenview
- 80 Norridge
- 81 Schiller Park
- 84 Franklin Park
- 84.5 River Grove
- 85.5 River Grove
- 86 Harwood Heights
- 87 Berkeley, Northlake, Bellwood
- 89 Maywood, Melrose Park, Broadview
- 214 Elk Grove Village, Des Plaines, Arlington Heights, Mount Prospect, Rolling Meadows, Prospect Heights, Wheeling, Buffalo Grove
- 234 Norridge, Harwood Heights
- 299 Chicago Public Schools
- 401 Elmwood Park

Cong. Kirk Addresses Aviation Noise and Air Quality Symposium Praises ONCC Efforts to Reduce Noise

Delivering the keynote address to the Aviation Noise and Air Quality Symposium in California on February 28, U.S. Rep. Mark Kirk (R-Highland Park) outlined new technology and procedures to reduce aircraft noise, and praised the partnership between the National Aeronautics Space Administration (NASA) and the O'Hare Noise Compatibility Commission (ONCC) for their work toward achieving these goals.

Congressman Kirk was joined at the symposium by ONCC Chair, Arlington Heights Mayor Arlene Mulder. The four day symposium focused on ways to reduce the environmental impact of aircraft noise on communities bordering major airports. Kirk, whose district includes several suburbs in close proximity to O'Hare, has worked since first-elected to Congress in 2000 with Mayor Mulder, ONCC and NASA to advance new technologies that reduce aircraft noise.



"I am encouraged by the partnership between communities and federal agencies that is producing results important to improving quality of life in our hometowns," said Kirk referring to the successful partnership between NASA and ONCC. "Aircraft noise is a critical national environmental hazard. As we modernize our aviation infrastructure, it is vital that local communities assist in

developing meaningful methods of reducing the impact of aircraft noise on our neighborhoods."

NASA is working on aviation noise reduction technology through their Quiet Aircraft Technology (QAT) program. The program's goals are to identify and develop technologies capable of reducing aircraft noise by 10 decibels by 2007. One technology Kirk advocates is a Continuous Descent Approach. This technology allows pilots to fly computer-driven steeper runway approaches. A steeper approach reduces noise by keeping aircraft at higher altitudes for longer periods, reducing required engine power during descent and delaying flap extension thus reducing airframe noise. Recent testing of Continuous Descent Approach showed noise reductions of three to six decibels on average.

"Continuous Descent Approach is already required for many aircraft at London's Heathrow Airport," said Kirk. "Implementing this procedure at O'Hare will greatly reduce noise in our surrounding communities."

Kirk also highlighted other technologies NASA is developing with the FAA including:

Fan Blade Shaping - Using the swept fan blade design can reduce the shock waves in front of the rotor reducing fan tone noise by two to four decibels.

Chevron-Shaped Exhaust Nozzles - Redesigning the shape of the engine exhaust nozzle, the noise can be converted to a higher frequency which is attenuated by the atmosphere to a greater extent and therefore is not as loud when it reaches the ground.

Advanced Auto-throttle Systems - Boeing has developed the Quiet Climb System that automatically reduces throttle to precisely match takeoff profiles that are quieter and more efficient than manual throttle adjustments during takeoff and climb.

Congressman Kirk also highlighted the work of Boeing on its new 787 "Dreamliner" aircraft. The 787 is projected to be so quiet that no sound over 65 decibels will leave the airport. (See *O'Hare Monitor*, Summer 2004.)

As moderator of the symposium's Land Use Planning general session, Mulder encouraged local land use planners and airport planners to cooperate with each other when dealing with airport expansion.



"Communities need to work cooperatively with all involved parties to achieve a balanced airport compatibility plan," said Mulder. "Airport planners need to be aware of local land use planning and local land use planners need to be aware of airport master planning. These two groups need to come to the table to work together."

Kirk reminded attendees that with airline travel increasing, the need for new noise reduction technology is more important than ever. "Communities I represent in northern Illinois are like many towns and cities across the United States. As air travel increases and airports look to expand, it is absolutely critical that NASA and community organizations like ONCC continue to work together on new technology that reduces the environmental impact of noise and air pollution on neighborhoods surrounding the airfields. I will continue my work to ensure the dialogue remains open and our communities are well-represented in the process."

2005 Meeting Schedule

All meetings are open to the public

O'Hare Noise Compatibility Commission	Residential Sound Insulation Committee	School Sound Insulation Committee	Technical Committee
All meetings begin at 8:00 a.m.	All meetings begin at 9:30 a.m.	All meetings begin at 10:00 a.m.	All meetings begin at 9:00 a.m.
May 6, 2005 Donald E. Stephens Convention Center 5555 N. River Rd. Rosemont	May 18, 2005 Norridge Village Hall 4000 N. Olcott	May 25, 2005 School District 59 2123 S. Arlington Hts. Rd. Arlington Heights	May 24, 2005 Arlington Heights Village Hall 33 S. Arlington Hts. Rd.
June 3, 2005 Donald E. Stephens Convention Center 5555 N. River Rd. Rosemont	June 15, 2005 Norridge Village Hall 4000 N. Olcott	June No Meeting	June No Meeting
July No Meeting	July No Meeting	July No Meeting	July No Meeting
August No Meeting	August No Meeting	August No Meeting	August 23, 2005 Arlington Heights Village Hall 33 S. Arlington Hts. Rd.
September 9, 2005 Donald E. Stephens Convention Center 5555 N. River Rd. Rosemont	September 21, 2005 Norridge Village Hall 4000 N. Olcott	September No Meeting	September 27, 2005 Arlington Heights Village Hall 33 S. Arlington Hts. Rd.
October 7, 2005 Rosewood Banquets 9421 W. Higgins Road Rosemont	October 19, 2005 Norridge Village Hall 4000 N. Olcott	October 12, 2005 School District 59 2123 S. Arlington Hts. Rd. Arlington Heights	October 25, 2005 Arlington Heights Village Hall 33 S. Arlington Hts. Rd.
November 4, 2005 Donald E. Stephens Convention Center 5555 N. River Rd. Rosemont	November 16, 2005 Norridge Village Hall 4000 N. Olcott	November No Meeting	November 22, 2005 Arlington Heights Village Hall 33 S. Arlington Hts. Rd.
December 2, 2005 Donald E. Stephens Convention Center 5555 N. River Rd. Rosemont	December No Meeting	December No Meeting	December No Meeting

Meeting schedules are subject to change. Please check www.oharenoise.org for updates.



ONCC Annual Report Available

The 2004 Annual Report of the O'Hare Noise Compatibility Commission is now available by mail or from the Internet. Written requests for free printed copies can be sent to the ONCC, at PO Box 1126, Des Plaines, IL 60017-1126. The report can also be viewed and downloaded from the ONCC Web site at www.oharenoise.org.

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Brian Gilligan
Executive Director

773-686-3198

ONCC Chair Honored

The American Institute of Aeronautics and Astronautics (AIAA), recently presented ONCC Chair, Arlington Heights Mayor Arlene J. Mulder with the prestigious Jay Hollingsworth Speas Airport Award for 2005.

Co-sponsored by the American Associate of Airport Executives, the Airports Consultants Council, and the American Institute of Aeronautics and Astronautics, the Jay Hollingsworth Speas Airport Award is presented to the person or persons judged to have contributed most outstandingly during the recent past towards achieving compatible relationships between airports and/or heliports and adjacent environments.



Mayor Mulder was honored for extraordinary leadership and personal initiative in educating the public, manufacturers, regulators and researchers about the impacts of aircraft noise; helping disparate groups to reach consensus on mitigation goals; and guiding and promoting funding of noise abatement research and development through participation in national and international advisory groups.

"This is a wonderful honor that I accept on behalf of all the members of the O'Hare Noise Compatibility Commission," Mulder said at the February 24, 2005, award ceremony held during the AAAE/ACC 2005 Airport Planning, Design, and Construction Symposium in Reno, Nevada. The presentation of the award was made by R. Dixon Speas, Jr., Senior Vice President, Global Customer Services, Aspect Communications. He is the brother of the late Jay Hollingsworth Speas.