

THE REGULAR MEETING WILL NOT BE HELD ON THIS DATE
STAY TUNED FOR NOTICE OF RESUMPTION OF MEETINGS

Centennial Airport Community Noise Roundtable
May 6, 2020 Meeting is cancelled

~~Arapahoe Board Room, 6924 S. Lima Centennial, CO 80112~~

~~6:30 p.m. — 8:30 p.m.~~

Chair: Brad Pierce **Vice Chair:** Melissa Coudeyras **Treasurer:** Tom Dougherty **Secretary:** Alison Biggs
CACNR Mission: Utilizing Partnerships to Reduce Airport Noise for the Benefit of Neighboring Communities

<i>Arapahoe County:</i>	Kathleen Conti/Bill Skinner Paul Krier/Joseph Berger	<i>Foxfield:</i>	Pam Thompson/Dave Goddard
<i>Douglas County:</i>	Abe Laydon/Lauren Pulver Alison Biggs/Mark Adams	<i>Greenwood Village:</i>	Tom Dougherty/Karen Blilie
<i>ACPAA:</i>	Robert Olislagers/Michael Fronapfel	<i>Lone Tree:</i>	Mike Anderson/Jennifer Drybread
<i>Aurora:</i>	Brad Pierce/Porter Ingrum	<i>Parker:</i>	Amy Holland/Vacant
<i>Castle Pines:</i>	Melissa Coudeyras/Kevin Rants	<i>AOPA:</i>	Robert Doubek/John Hirshman
<i>Castle Rock:</i>	Jason Gray/James Townsend	<i>CABA:</i>	Don Kuskie/Mike Straka
<i>Centennial:</i>	Candace Moon/Don Sheehan	<i>CDOT Aeronautics Div:</i>	Todd Green/Vacant
<i>Cherry Hills Village:</i>	Al Blum/Afshin Safavi	<i>FAA APA Control Tower:</i>	Joseph Wolters/Ron Curry
		<i>FAA District Office:</i>	John Bauer/John Sweeney
		<i>FAA TRACON:</i>	Steve Martin/Bill Dunn

CENTENNIAL AIRPORT COMMUNITY NOISE ROUNDTABLE TREASURER'S REPORT AS OF MARCH 27, 2020

			CACNR 2020 BUDGET	ACTUAL TO DATE	NOTES
INCOME:	CARRY OVER FROM 2019		\$ 14,000	\$ 16,539.09	
	ACPAA		\$ 10,000	\$ 10,000.00	
	CACNR REGULAR MEMBERS		\$ 12,250	\$ -	
TOTAL INCOME:			\$ 36,250	\$ 26,539.09	
EXPENDITURES:	WORK PROGRAM				
	COMMUNITY	Community meetings and materials	\$ 1,500		
	OUTREACH	Website updating/maintenance	\$ 3,000	\$ 36.34	3 year Go Daddy Domain Renewal
	FLY QUIET	Various Projects	\$ 2,000		
	NOISE MONITOR	Data Development and Use	\$ 1,500		
	WORK PLAN	Work Plan	\$ 500		
	EDUCATION	2 Reps to UC Davis Symposium**	\$ 5,000	\$ 2,393.19	Melissa Coudeyras' and Alison Bigg's total expenses for March 1-3, 2020
		2 Reps to 2 N.O.I.S.E. Conferences***	\$ 4,000	\$ 535.00	Reimbursement to Mike Anderson for attending in Nov. 2019
	CONSULTATION/TASK SUPPORT	Pilot Project with Jason Schwartz	\$ 3,000		
	MEMBERSHIP DUES	N.O.I.S.E.	\$ 1,000		
	ADMINISTRATIVE	Part-time secretarial assistance prn	\$ 1,000		
		Legal	\$ 1,000		
TOTAL EXPENDITURES:			\$ 23,500	\$ 2,964.53	
BALANCE AS OF 03 27 2020:				\$ 23,574.56	
CARRY OVER TO 2021					To be determined at end of year
** Includes registration, travel, ground transportation, lodging, meals. Symposium is in San Diego, March 1-3, 2020					
*** Includes registration, travel, ground transportation, lodging, meals. N.O.I.S.E. conferences are held annually in conjunction with the National League of Cities. The Spring meeting is always in the Washington, DC area, and the 2020 Fall meeting will be in Tampa, Florida.					
FRAME OF REFERENCE: MOU Funding Structure adopted 12/13/2018 calls for initial funding to generate \$22,250, with \$10,000 from ACPAA and \$12,250 to come from CACNR's Regular Members. "This funding would be in place for the next two years, subject to annual appropriations. Thereafter, CACNR will provide ACPAA and each Regular Member with a report on the previous year's expenditures, and an annual invoice accompanied by a proposed budget indicating how the requested funds would be utilized, so that funds could be appropriated for the coming year."					

2020 CACNR COMMITTEE APPOINTMENTS – as of April 29, 2020

COMMUNITY OUTREACH:

Mellissa Coudeyras, Chair Lauren Pulver, Work Plan Committee Liaison
Mike Anderson
Jennifer Drybread
Amy Holland
Kevin Rants
Maureen Shul
Pam Thompson
Joseph Berger

EXECUTIVE COMMITTEE:

Brad Pierce, Chair
Melissa Coudeyras, Vice Chair
Tom Dougherty, Treasurer
Alison Biggs, Secretary

FLY QUIET:

Don Kuskie, Chair Brad Pierce, Work Plan Committee Liaison
Karen Blilie
Kathleen Conti
Robert Doubek
Mike Straka
Bill Wasmund
Bill Skinner

NOISE MONITORS:

Bette Todd, Chair Alison Biggs, Work Plan Committee Liaison
Mark Adams Rachel Keller, ACPAA Staff
Tom Dougherty
John Hirshman
Frank Lawrence
Candace Moon
Paul Krier
Andrea Suhaka

WORK PLAN:

Alison Biggs, Chair
Lauren Pulver
Robert Olislagers
Brad Pierce

Committee Assignments Needed:

Al Blum (CHV)
Jason Gray (CR)
Abe Laydon (DC)
Afshin Safavi (CHV)
Don Sheehan (Centennial)
James Townsend (CR)

STUDY GROUP:

Brad Pierce, Chair
Alison Biggs
Andrea Suhaka
Melissa Coudeyras

Others: Mike Fronapfel; Todd Green; Ron Curry; John Bauer; John Sweeney; Steve Martin; Bill Dunn, Joseph Wolters

Centennial Airport Community Noise Roundtable 2019 – 2020 Work Program

Adopted March 6, 2019

CACNR MEMBERSHIP

Arapahoe County

Douglas County

City of Aurora

City of Castle Pines

Town of Castle Rock

City of Centennial

City of Cherry Hills Village

Town of Foxfield

City of Greenwood Village

City of Lone Tree

Town of Parker

Aircraft Owners and Pilots Association

Arapahoe County Public Airport Authority

Colorado Aviation Business Association

Colorado Department of Transportation

Aeronautics Division

FAA Centennial Airport Control Tower

FAA District Office

FAA TRACON

The Mission, Vision, and Values of the Centennial Airport Community Noise Roundtable (page 10) are implemented, in part, through the efforts of its committees, as described on the following pages.

COMMUNITY OUTREACH COMMITTEE

Melissa Coudeyras, Chair

Liia Koiv-Haus, Work Plan Committee Liaison

Mike Anderson; Mike Acree; Jennifer Drybread; Brett Ford; Amy Holland; Ryan McGee; Maureen Shul; Sandy Vossler

2019 PRIORITY TASKS:

1. Maintain the CACNR website to update the public about CACNR work and accomplishments. CACNR meeting agendas and minutes will be maintained here. The website will also include articles and information about significant issues related to airport noise that may interest the public.
2. Community Outreach Committee members will work with the airport staff to create press releases when necessary to give to CACNR Representatives to share with their municipalities.
3. Ensure that CACNR Representatives have information that comes to CACNR relating to airport noise, such as Metroplex updates, to share with their municipalities/counties/organizations.
4. Provide committee members to visit Member municipalities and present CACNR updates or answer question about CACNR information when requested.

2019 PRIORITY TASKS IDENTIFIED AT THE 2018 RETREAT:

1. Develop community outreach program.
2. Develop/update community outreach materials (i.e. reports, brochures, pamphlets, social media, etc., and the CACNR website) for a variety of audiences.
3. Share information about the roundtable's work and accomplishments.
4. Develop engagement strategy for working more effectively with city and county governments.
5. Engage local land-use planning authorities to collaborate on Improve transparency of airport influence areas (or Increase availability of information about the airport's influence area) through real-estate disclosure, home-buyer education and outreach, and the use of social media outlets. coordination in local land-use planning and zoning. *(Also see #1 in For Future Consideration in the Work Plan Committee).*

FOR FUTURE CONSIDERATION:

1. CACNR Website
 - A. Include information that supports public awareness of significant issues including such things as:
 - i. aircraft overflight and noise impacts in neighborhoods and future development areas
 - ii. the Airport's *((maybe ACPAA would be the better reference here, as that group has the ultimate responsibility for running the airport) plans and projections for operations and facilities growth*
 - iii. sound Mitigation techniques in residential construction.

2. Continue to provide opportunities for public comment and input at meetings, as stated in the CACNR Bylaws.
3. Coordinate outreach efforts between CACNR and Airport staff.
4. Follow up noise complaints with an email or other response that includes a link to the CACNR website.

ONGOING COMMUNITY OUTREACH COMMITTEE ACTIVITIES from PRIOR WORK PROGRAMS:

1. Follow up noise complaints with an email or other response that includes a link to the CACNR website.
2. Ensure CACNR communications efforts and activities accurately reflect the working relationship between CACNR and the airport.
3. Utilize and evaluate established plans for regular communication to/with the public.
4. Provide information regarding the noise hot line to the public (On website).
5. Continue to update and improve the CACNR website materials and functionality (See Priority Task #2 above).
6. Include Fly Quiet information on the CACNR website (On website).

FLY QUIET COMMITTEE

Don Kuskie, Chair

Brad Pierce, Work Plan Committee Liaison

Thad Bagnato; Karen Blilie; Kathleen Conti; Robert Doubek; Dave Goddard; Mike Straka; Bill Wasmund

2019 PRIORITY TASKS IDENTIFIED BY THE COMMITTEE:

1. Have NBAA Noise Abatement Program URL/Link be added to the CACNR website.
- 2.
3. Consider putting up signs on the airport entry gates about Airport Noise Abatement Guidelines. This is in line with attempting to inform all Pilots flying out of Centennial Airport. In addition to signs, the plan is to install our posters in the Self-Service fueling facility on TacAir ramp.
4. Develop a process to continue visiting Flight Schools urging them to add the noise abatement training to their curriculums with a check off box for completion.
5. Work with FAA airspace designers to promote the LOOOP departure procedure using the STAPP waypoint on north bound departures to help ease NW turns over noise sensitive areas for all hours of operation.
6. Continue renewed efforts to incorporate the Whispertrack program into pilots' i-Pads for a quick reference to learn of the noise guidelines for APA airport as well as many U S airports.
7. Study Night time operations(10pm-6am) and determine if there are problems which could be mediated.
8. Review the noise hotline calls to understand fully how they are processed and resolved.
9. Develop a "Letter of Commitment," subscribing to the Centennial Airport Noise Abatement Guidelines by Aircraft Owners, Pilots, Flight Schools, Flying Club Members and Support Personnel and develop incentives for subscribing to such.
10. Research noise silencing exhausts used on piston aircraft.

2019 PRIORITY TASKS IDENTIFIED AT THE 2018 RETREAT:

1. Develop engagement strategy to increase collaboration with the airport, FAA, aircraft operators, flight schools and flying clubs. See #8 above
2. Explore voluntary restrictions on flight training and nighttime.
3. Establish Letter of Commitment to encourage awareness and participation in Fly Quiet Program. See #8 above
4. Explore improvements in noise abatement procedures for both fixed-wing and helicopter operations.

FOR FUTURE CONSIDERATION:

1. Monitor and evaluate the effectiveness of helicopter routes with the noise monitoring equipment.
2. Work with helicopter operators to utilize established routes, including to and from fueling stations and to encourage climbs and descents on Airport property when possible.

3. Develop a program to effectively reach pilots not based at Centennial Airport for fly quiet information (potentially to include such items as Whispertrack).
4. Develop and implement incentives for voluntary use of Fly Quiet Procedures.
5. Require noise abatement as a mandatory part of training at Centennial Airport.
6. Reduce night-time noise events between 10 p.m. and 7 a.m. through *(see Priority Task #5 above)*:
 - A. establishment of a voluntary operations curfew, including night-time training traffic and helicopter operations;
 - B. development of voluntary late-night departure procedures; and
 - C. development of other measures as determined appropriate.
7. Investigate implementation of a night time fee structure, based on weight, if flying between 11 p.m. and 7 a.m. *(see Priority Task #5 above)*.
8. Consider investigation of other locations for training over less populated areas and encourage their use. This can be explored with Flight Schools.
9. Develop a “letter of commitment” to use Fly Quiet Procedures and seek its approval and implementation by based-aircraft owners, pilots, flight schools, flying club members, and support personnel.
10. Examine how hotlines are handled at other airports, including what information is being collected and how it is used.
11. Determine what information is desired from hotline calls and assure questions asked will provide that information.

ONGOING FLY QUIET COMMITTEE ACTIVITIES from PRIOR WORK PROGRAMS:

1. Identify noisy general aviation types. Work with operators of these aircraft with targeted noise abatement education campaign. *(see Priority Task #2 above)*.
2. Investigate specific causes and times of late-night aircraft noise *(see Priority Task #6 above)*.

NOISE MONITOR COMMITTEE

Bette Todd, Chair

Jamie Hartig, Work Plan Committee Liaison

Jim Dawkins; Tom Dougherty; Dave Goddard; John Hirshman; Candace Moon; Andrea Suhaka; Randy Weil

2019 PRIORITY TASKS IDENTIFIED BY THE COMMITTEE:

1. Request airport briefing describing the airport noise monitoring, operations system, and noise complaint process including the data that is available through the system and reporting capabilities.
2. Identify potential data sources for expanded reporting and community engagement.
3. Monitor status of RNAV development in the region. Work with airport staff and FAA to understand proposed Metroplex routes and their potential impacts to the community.
4. Develop a methodology to correlate aircraft noise events and complaints to identify relations to specific aircraft operations, overall trends, and appropriate follow-up actions.

To the extent possible, specific correlation objectives should include consideration of:

- type of aircraft operation (VFR, IFR, training, commercial, military, itinerant, touch-and-go, etc.);
- flight tracks (arrival, departure, heading, etc.);
- aircraft altitude;
- aircraft origin/destination (i.e. Centennial versus DIA or other airports);
- location of relevant noise monitor;
- time and recorded noise level associated with aircraft noise event; and
- number of associated noise complaints and their location(s).

This task will include consideration of how to optimally gather and analyze relevant data through existing airport data acquisition and analysis processes as well as the potential acquisition and use of appropriate software programs.

2019 PRIORITY TASKS IDENTIFIED AT THE 2018 RETREAT:

1. Request airport briefing describing the airport noise monitoring and operations system including the data that is available through the system and reporting capabilities.
2. Identify potential data sources for expanded reporting and community engagement.
3. Request airport briefing on noise complaint process.
4. Monitor status of RNAV development in the region. Work with airport staff and FAA to understand proposed Metroplex routes and their potential impacts to the community.

FOR FUTURE CONSIDERATION:

In consultation with the Roundtable and Centennial Airport Noise Office:

1. Develop noise and additional reports on monthly, quarterly, and annual basis for provision to the Roundtable, community, member jurisdictions, and others as appropriate.

Examples of information for possible inclusion in the noise reports: Number of operations; number, percentage and directions of arrivals and departures, and types of flight operations including itinerant, touch and go, helicopter, late night, day time, VFR/IFR; number of operations; noise events at each monitor; and flight track data for subcategories of aircraft, arrivals departures., etc.
2. Determine appropriate criteria for development and presentation of data, information and analysis.
3. Develop a method to determine the impact of north, northwest, south, southwest, and late-night arrivals and departures on neighboring communities for reporting to Roundtable and others as appropriate.
4. Investigate specific causes and times of both daytime and late-night aircraft noise events and report to Roundtable and others as appropriate.
5. Investigate speed and altitude control over the ILS including RNAV procedures for reporting to Roundtable and others as appropriate.
6. Develop flight track maps as needed to demonstrate frequency and location of overflights and which depict residential density and non-residential uses, etc.
7. Identify and establish “gates” (delineated airspace) of interest and collect and correlate data related to flight paths, noise, complaints, altitude, and other characteristics, and report to Roundtable and others as appropriate.
8. Work with the Fly Quiet Committee to develop reports and information to improve the Fly Quiet Program.
9. Analyze helicopter routes and flight tracks and determine percent of compliance, noise complaints, and effectiveness of routes for reporting to Roundtable and others as appropriate.
10. Approach aircraft operators whose flights cause frequent complaints, requesting consideration of voluntarily being better neighbors.
11. Look at what information other airports collect and how they use it.
12. Explore what type of computer programs or other resources are available which can correlate noise events at the noise monitors with noise complaints from the related jurisdictions.
13. Explore what type of computer programs or other resources are available which can track if a single aircraft had generated multiple complaints from different locations.
14. Research historical patterns of noise events at each monitor.
15. Determine the feasibility of becoming more proactive in letting citizens know of the availability of the portable noise monitors, particularly in areas when there has been an increase in complaints.
16. Consider doing some type of follow-up with those who have previously had a portable monitor at their locations.

Work Plan Committee

Alison Biggs, Chair

Jamie Hartig; Liia Koiv-Haus; Robert Olislagers; Brad Pierce

2019 PRIORITY TASKS IDENTIFIED BY THE COMMITTEE:

1. Establish training program for roundtable representatives and key stakeholders.
2. Develop an updated strategic plan (work program) based on priorities identified during the retreat.
3. Prepare 2017 & 2018 Annual Reports.

2019 PRIORITY TASKS IDENTIFIED AT THE 2018 RETREAT:

1. Establish training program for roundtable representatives and key stakeholders.
2. Develop an updated strategic plan (work program) based on priorities identified during the retreat.
3. Finalize the memorandum of understanding.

FOR FUTURE CONSIDERATION:

1. Monitor the timing and need for creation of a Land Use Committee (10-a) to include evaluation of *(Also see Priority Tasks 4 & 5 in Community Outreach Committee)*:
 - A. Potential role in supporting Airport land use referral recommendations regarding noise compatibility,
 - B. Potential engagement with local jurisdictions to address compatibility between Airport operations and land use through updates to master plans and relevant land use regulations.

ONGOING WORK PLAN COMMITTEE ACTIVITIES FROM PRIOR WORK PROGRAMS:

1. Monitor and obtain updates on action items formerly shown under Strategic Planning Policy, CACNR and Land Use Committees, as described below, for significant change in circumstances that affect the Roundtable's adopted Mission and require consideration by the Roundtable:
 - A. Monitor implementation of CFR Part 150 planning process by Airport staff, inclusive of the following steps:
 - i. Development of updated CFR Part 150 Noise Compatibility Plan,
 - ii. Updating of noise contour lines,
 - iii. Studying of existing aircraft operational information,
 - iv. Continuing work on noise compatibility,
 - v. Review and evaluation of what Aircraft Operating Restrictions might accomplish (14 Code of Federal Regulations, Part 161),
 - vi. Updating of the Airport's zone of influence.

- B. Monitor progress on the designation and use of alternate arrival, departure, and training routes including:
 - i. Workable flight tracks away from residential communities, inclusive of RNAV Alternative 2 (LOOP SID), which will be modeled for Federal Aviation Administration (FAA) approval,
 - ii. Preferential departure/arrival routes established through the Part 150 update,
 - iii. Collaboration with the Airport, Air Traffic Control (ATC), and pilot groups.
 3. Monitor Federal legislation in cooperation with N.O.I.S.E, inclusive of the law which prohibits scheduled passenger service at airports having more than 300,000 operations per year (0-Seat Law) and provide feedback.
 4. Monitor implementation of CFR Part 150 planning process by Airport staff, including creation of future noise exposure maps.
 5. Annually review and revise the Work Program as stated in the CACNR bylaws.
 6. Work with other Committees on implementation of the Work Program as needed.
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STUDY GROUP

Brad Pierce, Chair

Alison Biggs; Katy Brown; Andrea Suhaka

Priority Task from Retreat

1. Finalize the Memorandum of Understanding
-

ONGOING CACNR ACTIVITIES

1. Continue the Community Noise Roundtable.
2. Keep CACNR up to date with State and Federal legislation and current events which affect the airport, airport users, and residents.
3. Utilize CACNR Bylaws, Mission, Vision, and Values in relation to/fulfillment of the responsibilities of the CACNR Officers, Members and Members' Representatives and Alternate Representatives.
4. Continue to engage with the Airport Authority Board through presentations at Board meetings, personal contact, and tracking of their activities, and improve effectiveness of communications with the Board.
5. Develop a method for providing effective input to the Board on its agenda topics which affect the mission and work of CACNR.
6. Become acquainted with Board members and familiar with Board protocols and activities.

VISION: Quieter Skies for Our Communities

MISSION: Utilizing Partnerships to Reduce Airport Noise for the Benefit of Neighboring Communities

VALUES: In order to develop successful community partnerships, CACNR Members and Representatives value and adhere to the following:

RESPECT

- Mutual respect for all opinions, questions and responses
- Non-judgmental reaction and response to views expressed
- Listening with intention
- Value for the diverse view and perspectives of all Members and Representatives
- Trust of one another

ETHICS

- Honesty
- Keeping commitments
- Refrain from gossip
- No hidden agendas

COMMITMENT TO

- Attendance and participation
- The shared CACNR Vision and Mission Statements
- Team effort
- Continual learning and education
- Sharing of ideas
- An open environment conducive to development and mutual support of common goals
- Transparency of activities and information
- Resolution of conflicts and differences
- The entire community

ACCOUNTABILITY

- To one another
- To our represented communities and constituents
- For the dissemination of information among ourselves, the ACPAA Board, our represented communities, constituents, and other stakeholders

INNOVATION

- Foster an environment which encourages creative thought and implementation
- Seek solutions outside our comfort zone
- Remain persistent and persevere in achieving the CACNR Vision and Mission