



Centennial Airport Community Noise Roundtable

2023- 2025 Work Program

Adopted 05/03/23

CACNR MEMBERSHIP

Arapahoe County	City of Lone Tree
Douglas County	Metropolitan District, Highlands Ranch
City of Aurora	Town of Parker
City of Castle Pines	Arapahoe County Public Airport Authority
Town of Castle Rock	Aircraft Owners and Pilots Association
City of Centennial	Colorado Aviation Business Association
City of Cherry Hills Village	Colorado Department of Transportation
Town of Foxfield	Aeronautics Division
City of Greenwood Village	Wings Over the Rockies

The Mission, Vision, and Values of the Centennial Airport Community Noise Roundtable (page 2) are implemented, in part, through the efforts of CACNR's committees, as described on the following pages.

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

COMMUNITY OUTREACH COMMITTEE

2023 - 2025 PRIORITY TASKS

1. Promote FAA participation and engagement with the CACNR
Develop a sustainable relationship with the FAA built on common goals, collaboration, and public education.
2. CACNR Website – Further improvements in content.
Evaluate public/stakeholder friendly content enhancements.
3. Publish CACNR accomplishments/Annual Reports on the CACNR website-
4. Establish social media Public outreach.
Develop CACNR consensus on platforms, topical content, resources, and management

For reference, the following are the Priority Tasks from the prior Work Program:

1. Website – Further improvements in content
2. Promote FAA participation/support of the Roundtable
 - o FAA directly informing the community
 - o Briefings to the public
 - o Demonstrate collaboration with Airport > Roundtable > FAA
3. Expand outreach to elected officials (Briefings) and HOAs (Email)
4. Leverage social media as tool for community outreach
 - o Social media strategy should focus on providing information to the public
 - o Not intended as an outlet for noise complaints
 - o Platforms to include NextDoor.com and Twitter

EXECUTIVE/WORK PLAN COMMITTEE

2023 - 2025 PRIORITY TASKS

1. Update CACNR Work Program biennially.
2. Document CACNR accomplishments/ Annual Reports-
3. Establish a roundtable training program.
4. Revise meeting agendas to align with the CACNR Mission and Work Program.
5. Oversee work being done with the community, airport staff, airport users and the FAA to further the CACNR Mission.
6. Engage local jurisdictions to proactively encourage compatibility between airport operations and land-use/zoning.

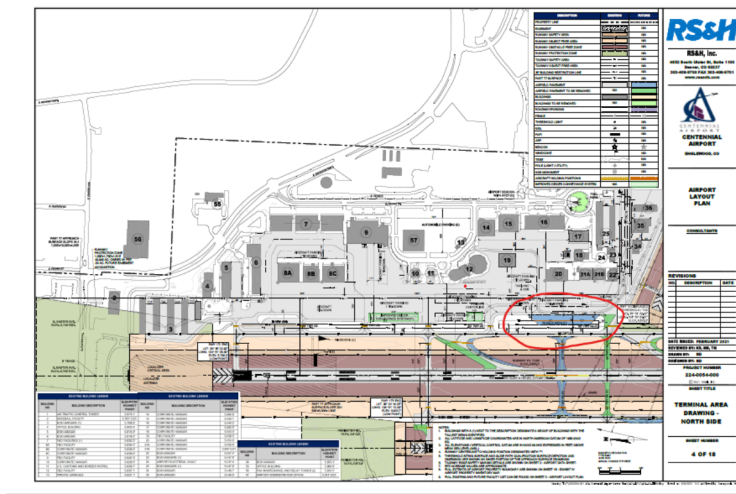
For reference, the following are the Priority Tasks from the Prior Work Program:

1. Update CACNR Work Program biennially.
2. Develop annual reports.
3. Establish a roundtable training program
4. Revise meeting agendas to more closely align with the CACNR mission and work plans.
5. Gain a better understanding of how noise complaints are reviewed and processed by airport staff. Review what noise complaint (and related) information is reported/presented to the Roundtable..
6. **[Secondary Priority]** Engage local jurisdictions to proactively encourage compatibility between airport operations and land-use/zoning

FLY QUIET COMMITTEE

2023 - 2025 PRIORITY TASKS

1. Expand industry engagement efforts to encourage awareness and support of the Centennial Airport Fly Quiet Program and help minimize noise impacts by encouraging pilots to fly the published voluntary Noise Abatement Guidelines. Fly Quiet briefings for key stakeholder groups to include air traffic control, flight schools, and pilots.
2. Create Videos for the CACNR web Site. Use [FlySMCFriendly.com](https://www.flysmcfriendly.com) as a template. The goal would be for all of our pilots to utilize a Friendly Approach toward our neighbors and residents. Familiarize pilots with the voluntary flight procedures through a series of 4K videos. Available for Centennial Airport and possibly others, the short videos would offer an informative look at the airports' best ways to arrive and depart as well as pattern flying.
3. In conjunction with Wings Over The Rockies EOF facility, offering simulated KAPA traffic pattern flights in order to give the public a pilot/instructor perspective to the noise issues around the airport. Goal is to provide an understanding as to what the flight schools can and cannot do to reduce ground noise.
4. Continue looking at airports similar to Centennial to learn if ideas from those airports can benefit noise reduction efforts here. Provide recommended ideas to CACNR.
5. Continue working with airport staff to achieve completion of the installation of sign #2 at new run-up area between A6 and A8



6. Develop additional electronic sign noise abatement messages for approval of CACNR and submission to ACPAA.
7. Continue to collaborate with the Noise Monitors Committee on areas of mutual interest such as developing an incentive program for flight schools.

For reference, the following are the Priority Tasks from the Prior Work Program:

1. Expand industry engagement efforts to encourage awareness and support of APA Fly Quiet Program. This would include Fly Quiet briefings for key stakeholder groups to include air traffic control, flight schools, and pilots.
2. Identify potential modifications to APA airspace and/or flight procedures to reduce community noise impacts.
3. **[Secondary Priority]** Continue research into aircraft technologies to reduce noise, specifically, the use of composite propellers and noise mufflers for piston aircraft.
4. **[Secondary Priority]** Establish incentive program to encourage pilots to overfly APA noise monitors and provide recognition for operations below a specified noise threshold.
5. Airport staff briefing about Noise Complaint Process – Unclear which committee would be responsible.

NOISE MONITOR COMMITTEE

2023 - 2025 PRIORITY TASKS

1. Continue ongoing education with airport staff and share information from FAA conversations.
2. Add additional noise monitors in areas of unincorporated Arapahoe and Douglas County, contingent upon the airport staff obtaining grants.
3. Continue to collaborate with the Fly Quiet Committee on areas of mutual interest, such as developing an incentive program for flight schools.
4. Work more closely with airport staff in the gathering of information on residential noise complaints. Develop a working relationship with FAA, flight schools and community members to educate and resolve noise complaints and have a noise committee member attend meetings with airport staff and flight schools.

For reference, the following are the Priority Tasks from the Prior Work Program:

1. *The Noise Monitor Committee and CACNR would benefit from getting a better understanding of what data is available through the NOMS (Noise and Operations Management) system and how it can be used in support of the CACNR Mission.*
ACTION TAKEN: On September 14, 2021, Noise Committee Members met with Centennial Airport staff and discussed the history and location of the 12 noise monitors placed throughout the South Metro Airport Influence Area. This information was presented to CACNR on October 6, 2021. On October 28, 2021, members of the Noise Committee met with Centennial Airport Staff and discussed the capabilities of the monitors' transmission capabilities. At the November 2, 2021, Noise Committee members and Centennial Airport Staff made a presentation to the CACNR. Topics covered were monitor transmission capabilities and adjustments. Also presented was information on the Flight Standard District Office (FSOD) for resident contact information for low flying aircraft and errant, unsafe flying aircraft. Information was presented on the use of portable noise monitors. Class Bravo airspace was discussed and the new impacts to Highlands Ranch, Centennial and Greenwood Village that are being experienced. Minimum air altitude requirements and results were discussed and noted that the air space is congested and takeoffs and landings will vary between 500-1000 feet. It was noted that with increasing weather temperatures, air density will affect low power propellers aircraft and residents will experience more air traffic in the morning and evenings. Airport staff made a NOMS presentation and airspace classification. Through noise monitors and NOMS, airport staff are able to distinguish different types and levels of noise and work with the required operations levels. It was recommended that refresher training be held by CACNR to share NOMS information with the public and how the information can be used to support the CACNR mission. Due to airport staffing changes, regular meetings and presentations on this topic ceased after November.
2. *The Noise Monitor data should be used to help communities understand changes in noise and overflight activity due to changes in conditions such as: seasonal/flow changes, firefighting activities, special events. This can be used to better inform the community, especially of temporary changes.*
ACTION TAKEN: At the meetings in October and November 2021, information on season/flow changes was shared with the CACNR as noted in Action 1. In 2022, the website was used to notify the public of runway repair closures and the subsequent events that would impact communities as well as runway changes due to the midair collision in March 2022. Due to the absence of a web master posting additional information about the noise that communities might experience was not possible.
3. *Development of Fly Quiet Incentives for pilots and/or companies. Leverage noise monitor data in support of Fly Quiet incentives.*

ACTION TAKEN: In September, October and November 2022, Noise Committee members met with members of the Fly Quiet committee and airport staff to discuss incentives. Members discussed working with Flight Schools and airport staff to obtain their buy-in to incentivize pilot to be in abeyance with noise levels and fly quiet procedures over impacted neighborhoods in Greenwood Village, Centennial, Unincorporated Arapahoe County and areas in Douglas counties. Incentives discussed were the awarding of plaques, notable mentions on the CACNR website and possible monetary awards. Due to an increased demand for action to stop the noise from aircraft, stop the use of leaded gas and decrease airspace crowding from residents of Greenwood Village, Centennial, unincorporated Arapahoe County and Douglas County, progress on the incentives program has been halted. Until these issues are resolved, incentive programs do not appear to be feasible at this time.

4. *Noise complaint processing should include:*

- *Correlating complaints with specific noise events*
- *Identifying specific/single events resulting in multiple complaints*

ACTION TAKEN: Airport staff gather information on noise events and handle calls from residents. Noise committee members recommend to the CACNR actions that could be taken. Noise committee members have requested the use of portable noise monitors that can be placed on consenting residential property to identify noise. The increased use of portable noise monitors has met with success as residents and staff have been able to learn noise levels in neighborhoods and whether the source of noise is from Centennial Airport or other neighboring airports such as Denver International Airport. During the months of December 2022 and January and February 2023, CACNR meetings have been at capacity with residents' complaints about noise from prop aircraft, leaded fuel exposure and crowded airspace. Noise Committee members have attended all meetings. The complaints are catalogued by airport staff. The CACNR met with representatives of the FAA and community members in February and hope to facilitate a resolution of the community residents' complaints.