



CENTENNIAL AIRPORT COMMUNITY NOISE ROUNDTABLE MINUTES

October 6, 2021

Approved as Amended 11/3/21

VISION – QUIETER SKIES FOR OUR COMMUNITIES

MISSION – UTILIZING PARTNERSHIPS TO REDUCE AIRPORT NOISE FOR THE BENEFIT OF NEIGHBORING COMMUNITIES

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

1. **CALL TO ORDER, ROLL CALL, and QUORUM:** The meeting was called to order at 6:34 p.m. by Chair Brad Pierce. The following were in attendance and a quorum was present:

Douglas County:	Alison Biggs	Lone Tree:	Mike Anderson
Aurora:	Brad Pierce	Parker:	Todd Hendreks
Castle Pines:	Melissa Coudeyras	AOPA:	Bob Doubek
Centennial:	Candace Moon	CABA:	Don Kuskie
Greenwood Village:	Tom Dougherty	Wings Over the Rockies:	Bill Wasmund
HRMD:	Andy Jones		

Others in attendance were Greenwood Village Alternate Rep. Donna Johnston and ACPAA staff Gina Conley and Rachel Keller. Mellissa Coudeyras introduced Chris Eubanks, who would be replacing her representing Castle Pines in Jan. or Feb. 2022.

Those absent were:

Arapahoe County:	Carrie Warren-Gully/Bill Skinner	ACPAA:	Robert Olislagers/Mike Fronapfel
Arapahoe County:	Paul Krier/Vacant	CDOT Aeronautics Div:	Todd Green/Vacant
Douglas County:	Abe Laydon/Dan Avery	FAA APA Control Tower:	Kurt Carpenter/Ron Curry
Castle Rock:	Laura Cavey/Vacant	FAA District Office:	John Bauer/John Sweeney
Cherry Hills Village:	Al Blum/Afshin Safavi	FAA TRACON:	Steve Martin/Bill Dunn
Foxfield:	Pam Thompson/Frank Lawrence		

2. **PUBLIC COMMENT:**

1. **VIRTUAL MEETING ATTENDEES** – Randy Johnson of Louviers reported things seem to be better in terms of noise in that area.

James Slaggert of Orchard Hills #1 in Greenwood Village regretted to report no improvement in his area. Touch and go traffic and those circling over homes continue, and he has quit reporting them all. He is near the noise monitor in the Greenwood Village area, and wondered how much money had been sent of the monitors. He further wondered why the airport does not do anything about the data, but only seems to track numbers. It needs to take a more active role, and there should be more accountability from the flight schools. There are no consequences for those who offend. He further mentioned the studies which have shown how aircraft noise affects the public's health through such things as sleep pollution.

Rachel Keller noted that, per the FAA, the airport has no authority over flights once aircraft have left the ground. She further indicated that recent FAA directives have limited the number of aircraft that can be in a pattern, but this has caused the need for ATC to extend patterns more frequently. Question was asked what the airport could do about that. Response was essentially nothing because the FAA allows no limits on numbers of flights. Suggestion was made for citizens to contact the FAA directly. It was noted the FAA tends to 'pass the buck' back to the airports, but then allows them no ability to effect change. Suggestion was made for citizens to contact their members of Congress, to which the FAA is supposed to be accountable.

Kim Helvig of Elizabeth echoed the comments about the FAA and the need to contact members of Congress, as pilots and flight schools seem to do whatever they want. Citizens need to group together to bring pressure on Congress to insist on change from the FAA.

2. **FROM CACNR EMAIL ADDRESS** – From Melbourne Circle in Highlands Ranch: *"We are experiencing very excessive Cessna plane noise and traffic over our homes all day and night the last week or so... on this day alone from 3:00 pm to 3:15 pm we had 3 different winged prop aircraft fly right over our neighborhood. The continuous noise starts at crack of Dawn and goes all day long.. we are in highlands ranch so it's not like we are right next to the airport.. is there surveillance going on?? Whatever the issue it is hard to sleep or relax with the new added aircraft noise in our area.. please help!"* Both Andy Jones and Renee Anderson had responded to the correspondent, and a response would also be sent from CACNR.

Another, from Cherry Hills Manor, near Orchard and University: *"Several of us in Cherry Hills Manor (near Orchard and Cook/University) have noticed much increased air traffic and low flying planes. Has there been a change in air routes? This morning it was especially low and early. Afternoon and evening noise has also increased. Thank you for your attention to resolving."* Response would be provided.

3. **CONSENT AGENDA:** The Consent Agenda included the September 1, 2021, draft minutes; a Treasurer's Reports dated September 30, 2021 which showed a balance of \$5,134.08; the August Noise Report; the CACNR report to the September 9, 2021 ACPAA meeting from Bill Wasmund; and the report of the September 9, 2021 meeting of ACPAA from Bob Doubek. On the motion of Alison Biggs, duly seconded, the Consent Agenda was approved.

A summary of the August Noise Report follows:

Total Local Operations:	August –12,181	July – 12,151	June – 12,974	May – 9,243	April – 13,579
Total Operations:	August – 29,544	July – 29,468	June – 30,148	May – 22,855	April – 27,444
Year To Date Total Operations:	August – 206,511	July – 176,967	June – 147,499	May – 117,351	April – 94,496
Noise Events:	August – 30,170	July Total – 30,495	June total – 34,335	May Total – 28,869	

Noise Events Recorded at Each Noise Monitor -

<u>August Totals:</u>	<u>August 60 – 69 db:</u>	<u>August 70-79 db:</u>	<u>August 80-89 db:</u>
9,569 Golf Course	5,526 Golf Course	3,825 Golf Course	566 Airport East
7,082 Meridian	5,370 Meridian	1,654 Meridian	213 Golf Course
3,316 State Park	2,279 State Park	1,019 State Park	56 Meridian
2,654 Airport East	1,848 Parker	881 Airport East	17 State Park
2,078 Parker	1,374 Grandview Estates	226 Parker	16 Hunters Hill
1,524 Grandview Estates	1,167 Airport East	148 Grandview Estates	4 Parker
1,153 Greenwood Village	1,064 Greenwood Village	88 Greenwood Village	2 Grandview Estates
956 Castle Rock	912 Castle Rock	60 Hunters Hill	2 Lone Tree
767 Lone Tree	721 Lone Tree	44 Castle Rock	2 Sagebrush Park
636 Hunters Hill	560 Hunters Hill	44 Lone Tree	1 Greenwood Village
241 Castle Pines	231 Castle Pines	11 Sagebrush Park	- Castle Pines
194 Sagebrush Park	181 Sagebrush Park	10 Castle Pines	- Castle Rock

August noise events in the 90+ decibel range were:
 Airport East – 40 Golf Course – 5 Meridian – 2 State Park – 1

Noise Complaints and Numbers of Households: August – **1,497 & 67** July – 1,562 & 112 June – 1,476 & 145

<u>August Complaints:</u>	<u>August Households:</u>
675 Unincorporated Douglas County	17 Unincorporated Arapahoe County
271 Greenwood Village	15 Greenwood Village
148 Castle Rock	10 Unincorporated Douglas County
142 Unincorporated Arapahoe County	6 Other
133 Other	5 Castle Rock
74 Centennial	4 Aurora
37 Aurora	4 Centennial
10 Highlands Ranch	2 Highlands Ranch
5 Lone Tree	2 Lone Tree
1 Castle Pines	1 Castle Pines
1 Parker	1 Parker
- Cherry Hills Village	- Cherry Hills Village
- Denver	- Denver

Comparatively, in August 2021, there had been 1,497 complaints from 29,544 operations. In July 2021, there had been 1,562 complaints from 29,468 operations; in June 2021, there had been 1,476 complaints from 30,148 operations.

Year to Date, at the end of August 2021, there had been 9,312 complaints from 323 households:

<u>Complaints:</u>	<u>Households:</u>
2,929 Unincorporated Arapahoe County (31%)	100 Unincorporated Arapahoe County (31%)
2,378 Unincorporated Douglas County (25.5%)	77 Greenwood Village (24%)
1,230 Greenwood Village (13%)	32 Unincorporated Douglas County (10%)
934 Centennial (10%)	25 Other (8%)
783 Castle Rock (8%)	24 Centennial (7%)
413 Other (4%)	16 Denver (5%)
320 Aurora (3%)	11 Lone tree (3%)
135 Highlands Ranch (1.5%)	10 Aurora (3%)
86 Parker (0.9%)	8 Highlands Ranch (2.5%)
35 Lone Tree (0.4%)	7 Castle Pines (2%)
34 Castle Pines (0.4%)	6 Castle Rock (2%)
34 Denver (0.4%)	6 Parker (2%)
1 Cherry Hills Village (0.17%)	1 Cherry Hills Village (0.3%)

August had **113 noise complaint responses requested**, with 37 of those made by email and 76 made by phone. Year to date at the end of August 2021, there had been **960 responses requested**, with 517 requests made by email and 443 by telephone.

1,357 of the 1,497 complaints in August were about flights during **day hours** (91%); 139 were about **night flights** (9%)

Year to date at the end of August,, the **top five complaining households** were in:

1,502 Unincorporated Douglas County (16%)	1,150 Unincorporated Arapahoe County (12%)
1,219 Unincorporated Arapahoe County (13%)	875 Greenwood Village (10%)
	747 Castle Rock (8%)

Props accounted for 75% of the complaints by aircraft type in August, while **jets accounted for 24% of the complaints, and 1% were about helicopters.**

Departures were responsible for 42% of the complaints in August. **Arrivals** were responsible for 29% of the complaints, and Training was also responsible for 29% of the complaints in August.

The graph showing the 13-month relationships between airport operations and the numbers of complaints with and without the top complaining household removed was again provided.

The August and Year to Date complaint maps continued to show the **largest cluster of complaints** located north and slightly west of the airport's north-south runway. In August, there had been 2 complaining households from outside the map boundaries: Elizabeth, and Littleton. Year to date by the end of August, there had been 26 complaining household from outside the map boundaries: Blackhawk – 1; Boulder - 3; Broomfield – 1; Colorado Springs – 2; Denver – 3; Elizabeth – 1; Franktown – 2; Golden – 1; Littleton – 7; Morrison – 2; Parker – 1; Sedalia – 1; and Thornton – 1. A July 2021 Radar Track Density Map was included.

4. **ITEMS REMOVED FROM CONSENT AGENDA:** None

5. **COMMITTEE REPORTS:**

A. **EXECUTIVE /WORK PLAN COMMITTEES** – 1. The Executive Committee had met once since the last CACNR meeting, to plan this meeting's agenda and attend to other business.

2. A draft 2022 budget had been prepared and was presented for consideration. If approved, invoices for 2022 could be sent out to all Regular Members. Question was asked about the benefit of sending representative to the UC Davis and N.O.I.S.E. conferences. Those who had attended one or the other spoke about what they had learned, the contacts made, and how their work on CACNR had profited. The knowledge gained about such things as best practices and that CACNR is not alone in attempting to find solutions to noise problems were highly valuable. They had also been able to share such information with their constituents. It was noted Emily Tranter of N.O.I.S.E. had virtually attended past CACNR meetings, and it might be time to schedule her again. Following such discussion, on the motion of Tom Dougherty, duly seconded, the 2022 budget was approved. Invoices will go out to all Regular Members.

3. Efforts continued to be made to find an acceptable date for the meeting with the flight schools and the CACNR Executive Committee, the CACNR Fly Quiet Committee members, airport staff and County Commissioners from both Arapahoe and Douglas Counties.

B. **COMMUNITY OUTREACH** – Melissa Coudeyras reported the committee anticipated working with Jason Shwartz again to address committee tasks. It is looking at ways to utilize social media with at least simple postings at the start. Airport staff may be able to assist initially. Amy Holland had put the new group photo on the website.

C. **FLY QUIET** – Bill Wasmund had provided a written report for the committee, which was included in the email packet. He highlighted looking at incentives for use of the fly quiet procedures; examining how hotlines are handled at other airports; and establishing a location for a second noise abatement sign. The committee is also reviewing material regarding carbon fiber composite materials and how propeller upgrades might take advantage of reduced power settings, resulting in less noise, weight reduction, longer service life, and possibly increased cruise speed. If appropriate, this information might be shared with pilots and with flight schools.

D. **NOISE MONITORS** – Candace Moon indicated the committee had met to consider the request for an education session about the capabilities of the noise monitoring system, including such items as the ambient thresholds which are adjusted annually, if there are other types of available data which CACNR would find valuable, and if additional monitors could be added to the system. Information about how the current locations were selected had also been requested. She reviewed the locations of the noise monitors, and how they are powered.

The committee had suggested one of the portable noise monitors might be placed somewhere in Highlands Ranch until it was needed elsewhere. This would provide information for that area, until more details about the feasibility and cost of adding a permanent monitor could be ascertained. Mike Fronapfel had been on the airport staff when the monitors were originally placed, but would not be able to be at the October CACNR meeting, so more historical information would need to be postponed to a later meeting. Having someone such as Eugene Reindel of Harris Miller Miller & Hanson, Inc. (HMMH) who was instrumental in the placement and workings of the monitors) available would also be explored for a future meeting. The initiation of another FAA Part 150 study (Title 14 Code of Federal Regulations (CFR) Part 150, Airport Noise Compatibility Planning) was also being considered by ACPAA, and Mr. Reindel might be available as part of that again.

E. **WORK PLAN** – The committee had not met, but would focus on placing the orientation information on the website.

6. **FAA REPORTS:**

A. **CENTENNIAL (APA) AIR TRAFFIC CONTROL TOWER** – None

7. **OTHER REGULAR MONTHLY REPORTS:**

A. **AIRPORT DIRECTOR'S REPORT** – None

B. **3rd QUARTER LAND USE REVIEW** – Rachel Keller provided a report on the 11 land use referrals reviewed between July 1 and September 30. Of these, 1 had been approved, 8 were subject to comments by airport staff, and 2 had not been recommended.

The two not recommended were in the City of Centennial, at the southeast corner of E. Briarwood Avenue and South Lima Street. A diagram and a map was provided which helped demonstrate the concerns about those projects, in the approach zone where new residential or other noise sensitive development are supposed to be prohibited without specific restrictions developed by the governmental entity with zoning or other permit authority. The projects are 3,000 feet from the main runway, and it would likely be very hard to live there. 7 years of noise decibel level tracking from the closest noise monitor were also provided, showing a yearly average of 52,693 events in the 60-69 decibel level; 27,665 events in the 70-79 decibel level; 18,180 events in the 80-89 decibel level; and 279 events in a decibel level higher than 90.

Question was asked about next steps once a project is not recommended by airport staff. A written communication is sent to the referring entity, providing reasons for the lack of recommendation. Staff may also attend the meeting of the referral entity where the project will be considered for approval or disapproval, to oppose it and be available emphasize for the opposition.

8. **OLD BUSINESS:**

A. **2021 MEETING SCHEDULE FOR CACNR & ACPAA, INCLUDING CACNR REPRESENTATIVES TO ACPAA** – The 2021 meeting schedule was provided. Brad Pierce agreed to represent CACNR at the October 14, 2021 ACPAA meeting.

B. **CONGRESSIONAL QUIET SKIES CAUCUS** – no report

C. **ACTION ITEMS FROM PRIOR CACNR MEETINGS** – Consideration of the list of Items for Follow-Up from previous meetings was postponed.

ANNOUNCEMENT – Brad Pierce announced that Tom Dougherty had decided not to seek reelection in Greenwood Village, and so would be leaving his office there, and his representation on CACNR, the day after the November election. Pierce extended CACNR's thanks for Dougherty's sound thinking and many contributions, and noted how much he would be missed. Dougherty would likely be replaced on CACNR by his alternate, Donna Johnston. Pierce then announced he had appointed Andy Jones to replace Dougherty as CACNR Treasurer.

9. **NEW BUSINESS:**

A. **PRESENTATION ON NOISE MONITORS** – Rachel Keller presented information about using WebTrack, recommending users wait 24 hours before attempting to track a specific aircraft. She discussed ANOMS - The Airport Noise and Operations Monitoring System, a data gathering and information system designed to monitor, record, and measure noise, flight tracks and weather. She further discussed the types of information which can be provided to those who request a response about their noise complaints. Question was asked if pilots know of noise complaints filed against their aircraft. Response was no. Question was asked if there is any tracking of aircraft to determine if any one aircraft receives multiple complaints about it. Response was no, there is no reporting done on individual aircraft. Question was asked if any system can show if aircraft comply with directions from air traffic control. Response was no, without someone listening to the recordings from every flight, which would be extremely labor intensive. There is little way to identify the 'good guys' from the 'bad guys.'

There was again some discussion about the FAA directive which limits the number of aircraft that can be in a pattern, resulting in the need for ATC to extend patterns more frequently. It would seem pilots would prefer less frequent extension of patterns, in terms of flight times and fuel consumption. There was a reminder that once an aircraft leaves the ground, an airport no longer has any control or say in what pilots do - everything is the responsibility of the FAA.

B. **INFORMATION SHARING** – Information about the FAA Part 150 and Part 161 had been provided. ACPAA is looking into doing another FAA Part 150 study. It is apparently too late to request funding related to begin the study in 2022; a request for funding will need to be made in 2022, so it can be included in the 2023 budget.

10. **PUBLIC COMMENT:** None

11. **NEXT MEETINGS:**

A. **CACNR** – November 3, 2021 6:30 p.m. 7565 S Peoria Street, Unit 9D, Englewood, CO
December 1, 2021 6:30 p.m. 7565 S Peoria Street, Unit 9D, Englewood, CO

B. **ACPAA** – Oct 14, 2021 3:00 p.m. 7565 S Peoria Street, Unit 9D, Englewood, CO
Nov 12, 2021 3:00 p.m. 7565 S Peoria Street, Unit 9D, Englewood, CO (2nd Friday, not usual Thursday)
Dec 9, 2021 3:00 p.m. 7565 S Peoria Street, Unit 9D, Englewood, CO

12. **ADJOURNMENT:** The meeting was adjourned at 8:17 p.m.

Alison Biggs, Secretary