



CENTENNIAL AIRPORT COMMUNITY NOISE ROUNDTABLE MINUTES

December 4th, 2024

Approved 02 05 25

VISION – QUIETER SKIES FOR OUR COMMUNITIES

MISSION – CACNR WILL BRING TOGETHER AIRPORT, COMMUNITY, FAA, AND AVIATION INDUSTRY REPRESENTATIVES TO COLLABORATIVELY IDENTIFY AND DISCUSS NOISE ISSUES AT CENTENNIAL AIRPORT AND RECOMMEND COURSES OF ACTION THAT COULD REDUCE NOISE OVER AFFECTED COMMUNITIES.

Chair: Chis Eubanks **Vice Chair:** Pam Thompson **Treasurer:** Andy Jones **Secretary:** Alison Biggs

1. **CALL TO ORDER, ROLL CALL, and QUORUM:** The meeting was called to order at 6:30 p.m. by Chair Chris Eubanks. The following were in attendance, and a quorum was present:

Arapahoe County: Sreenivasan Alakappan
Douglas County: Dan Avery
Aurora: Brad Pierce
Castle Pines: Chris Eubanks
Castle Pines Alt: Ron Cole (virtual)
Centennial: Don Sheehan
Centennial Alt: Amy Tharp
Cherry Hills Village: Robert Eber
Foxfield: Pam Thompson

Greenwood Village: Donna Johnston
Highlands Ranch: Andy Jones
Lone Tree: Mike Anderson (virtual)
ACPAA: Mike Fronapfel
ACPAA Staff: Lauren Wiarda, Matt Frenette,
Zach Gabehart
AOPA: John Hirshman
Wings Over the Rockies: Bill Wasmund

Absent: Unincorporated Arapahoe County, Unincorporated Douglas County, Castle Rock, Parker, CABA, CDOT Aeronautics Div

2. **CONSENT AGENDA:** The Consent Agenda included the Draft CACNR Minutes from October 2, 2024; Treasurer's Report from October and November of 2024, showing a balance of \$24,782.88.

Correction to the minutes was noted as follows.

Item 4. **CACNR STUDY GROUP COMMITTEE:** Brad Pierce presented a verbal report for this group, joined by Chris Eubanks and Mike Fronapfel. Some new members had been added to the group, from the FAA, **and** a flight school. **and the Colorado Pilot's' Association.** The **latter Colorado Pilot's' Association** was interested in learning how this group was structured and functioned, anticipating perhaps doing something similar at Rocky Mountain Metropolitan Airport.

On the motion of Donna Johnson, duly seconded by Robert Eber, the Consent Agenda was approved as amended above.

3. **ITEMS REMOVED FROM THE CONSENT AGENDA:** Noise Report from September 2024, Noise Report October 2024, Portable Noise Monitor Report (3 Tower Training Box) for further evaluation.

The September 2024 Noise Report included the following information:

September Local Operations:	14,748	September Total Operations:	30,586
Year to Date Local Operations:	136,382	Year to Date Total Operations:	263,287

30,586 Total Operations in September resulted in 793 complaints from 81 households.

September Noise Events:

September Total:	September 60 – 69 db:	September 70 – 79 db:	September 80 – 89 db:
Meridian 9,932	Meridian 8,018	Golf Course 2,903	Airport East 428
Golf Course 9,662	Golf Course 6,608	Meridian 1,854	Golf Course 134
State Park 3,055	Parker 2,534	State Park 957	Meridian 55
Airport East 2,821	State Park 2,082	Airport East 697	Portable Station 20
Parker 2,685	Airport East 1,669	Portable Station 250	State Park 15
Portable Station 1,754	Portable Station 1,483	Grandview Estates 148	Greenwood Village 11
Grandview Estates 1,635	Grandview Estates 1,477	Parker 146	Grandview Estates 9
Lone Tree 864	Lone Tree 819	Greenwood Village 74	Hunters Hill 6
Greenwood Village 825	Greenwood Village 740	Hunters Hill 53	Parker 5
Castle Rock 682	Castle Rock 648	Lone Tree 45	Castle Rock 1
Hunters Hill 507	Hunters Hill 448	Castle Rock 38	Castle Pines 1
Castle Pines 365	Castle Pines 344	Castle Pines 19	Lone Tree 00
Sagebrush Park 178	Sagebrush Park 163	Sagebrush Park 15	Sagebrush Park 00

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September Noise events in the 90+ decibel range:

Airport East – 27 Golf Course – 17 Meridian – 5 State Park – 1 Grandview Estates – 1 Portable Station -1 Caste Pines - 1

September Noise Complaints and		Numbers of Households:		YTD Complaints and		Number of Households:	
(793)		(81)		(10,445)		(290)	
Unincorporated Arapahoe County	347 (44%)	UAC	25 (31%)	UAC	5,038	UAC	99
Centennial	131 (16,5%)	Centennial	4 (5%)	GV	2,448	GV	68
Other	109	Other	11(13.5%)	Other	1,000	Other	32
Greenwood Village	85 (11%)	Greenwood Village	11 (13,5%)	Centennial	876	Centennial	12
UDC	56 (7%)	UDC	12 (15%)	UDC	440	UDC	26
Denver	19	Denver	3	Denver	264	Denver	1
Castle Pines	17	Castle Pines	1	Castle Pines	175	Castle Pines	2
Highlands Ranch	15	Highlands Ranch	3	Castle Rock	70	Castle Rock	5
Lone Tree	5	Lone Tree	4	Highlands Ranch	37	Highlands Ranch	9
Aurora	3	Aurora	3	Lone Tree	33	Lone Tree	18
Castle Rock	4	Castle Rock	2	Aurora	33	Aurora	7
Parker	2	Parker	2	Parker	31	Parker	8
Cherry Hills Village	0	Cherry Hills Village	0	CHV	0	CHV	0

Year to Date, the top five households complaining were:

Household #1	1,313	Unincorporated Arapahoe County	Household #4	798	Other (Elizabeth)
Household #2	932	Greenwood Village	Household #5	784	Unincorporated Arapahoe County
Household #3	847	Centennial			

In September, 108 responses were requested from 793 noise complaints, with 105 of those requests made by email and 3 made by telephone.

In September, 714 complaints were made about daytime flights (7:00 a.m. – 9:59 p.m.) – 90%.

79 complaints were made about nighttime flights (10:00 p.m. – 6:59 a.m.) – 10%.

In September, props accounted for 86% of the complaints by aircraft type; jets accounted for 13% of the complaints, and helicopters caused 1%.

In September, training was responsible for 67% of the complaints, departures were responsible for 18% of the complaints, and arrivals were responsible for 15% of the complaints.

The September Complaint Map and September Radar Track Density Map were provided.

The October 2024 Noise Report included the following information:

October Local Operations:	13,871	October Total Operations:	28,791
Year to Date Local Operations:	150,233	Year to Date Total Operations:	292,069

28,781 Total Operations in October resulted in 613 complaints from 48 households.

October Total:		September Noise Events:	
		October 60 – 69 db:	October 70 – 79 db:
Meridian	9,801	Meridian	8,271
Golf Course	9,676	Golf Course	6,416
Airport East	3,329	Parker	2,832
Parker	3,022	Airport East	1,905
State Park	2,588	State Park	1,841
Portable Station	1,682	Grandview Estates	1,447
Grandview Estates	1,607	Portable Station	1,393
Greenwood Village	950	Greenwood Village	823
Castle Rock	892	Castle Rock	838
Lone Tree	744	Lone Tree	696
Hunters Hill	552	Hunters Hill	507
Castle Pines	278	Castle Pines	261
Sagebrush Park	138	Sagebrush Park	125
		October 80 – 89 db:	
		Airport East	474
		Golf Course	162
		Meridian	47
		Greenwood Village	20
		Portable Station	20
		Grandview Estates	6
		State Park	6
		Castle Rock	2
		Parker	2
		Castle Pines	1
		Lone Tree	1
		Sagebrush Park	1
		Hunters Hill	0

October Noise events in the 90+ decibel range:

Airport East – 32 Golf Course – 5 Lone Tree – 3 Hunters Hill – 1 Meridian – 1

October Noise Complaints and		Numbers of Households:		YTD Complaints and		Number of Households:	
(613)		(48)		(11,058)		(290)	
Unincorporated Arapahoe County	234 (38%)	UAC	16 (33%)	UAC	5,282	UAC	99
Other	147 (24%)	Other	8 (17%)	GV	2,493	GV	65
Centennial	107 (17%)	Centennial	2 (4%)	Other	1,146	Other	32
Greenwood Village	55 (9%)	Greenwood Village	8 (17%)	Centennial	983	Centennial	13
Douglas County	39 (6%)	Douglas County	5 (10%)	UDC	480	UDC	26
Castle Rock	7	Castle Rock	1	Denver	273	Denver	5
Highlands Ranch	7	Highlands Ranch	2	Castle Pines	176	Castle Pines	3

Denver	9	Denver	1	Castle Rock	77	Castle Rock	5
Aurora	5	Aurora	2	Highlands Ranch	44	Highlands Ranch	9
Castle Pines	1	Castle Pines	1	Lone Tree	34	Lone Tree	18
Lone Tree	1	Lone Tree	1	Aurora	38	Aurora	7
Parker	1	Parker	1	Parker	32	Parker	8
Cherry Hills Village	0	Cherry Hills Village	0	CHV	0	CHV	0

Year to Date, the top five households complaining were:

Household #1	1,464	Unincorporated Arapahoe County	Household #4	932	Greenwood Village
Household #2	953	Centennial	Household #5	784	Unincorporated Arapahoe County
Household #3	935	Other (Elizabeth)			

In October, 81 responses were requested from 613 noise complaints, with 79 of those requests made by email and 2 made by telephone.

In October, 585 complaints were made about daytime flights (7:00 a.m. – 9:59 p.m.) – 95%.

28 complaints were made about nighttime flights (10:00 p.m. – 6:59 a.m.) – 5%.

In October, props accounted for 89% of the complaints by aircraft type; jets accounted for 10% of the complaints, and helicopters caused 1%.

In October, training was responsible for 65% of the complaints, departures were responsible for 21% of the complaints, and arrivals were responsible for 14% of the complaints.

The October Complaint Map and October Radar Track Density Map were provided.

The Portable Noise Monitor Report included the following information
Neighborhood Noise Report
Location of Noise Monitor: Elizabeth, CO Under 3 Towers Practice Box
Dates of Report: October 11th, 2024 – November 11th, 2024

Noise Events:

Centennial Airport Aircraft Noise	508	Total Aircraft Noise Events	1,302
Non-Centennial Airport Aircraft Noise	794	Total Community Noise Events	3,745

<u>Centennial Airport Aircraft Noise Events</u>		<u>Non-Centennial Airport Aircraft Noise Events</u>	<u>Community Noise Events</u>
60-69 dB	176	328	491
70-79 dB	12	10	35
80-89 dB	0	0	24
90+ dB	0	0	0

Aircraft DNL	37.3 dB	Total DNL	49.3 dB
Community DNL	48.7 dB	Average Aircraft LMax	57.3 dB

Centennial Airport Associated Flight Path within 1 mile of Noise Monitor	Propeller	505
	Jet	92
	Helicopter	1
	Unknown	161
	TOTAL	759

Discussion: Noise is not only a measurement of volume but consistency and redundancy. Monitor is centrally located at site. 70-79 dB reflects low flying aircraft as well as type of aircraft. Monitor was set in place during slower training period during the year – November in comparison to July see below:

The 3 Towers Practice Box Flight Track Analysis July 2023 vs July 2024 as follows:

	<u>July 2023</u>	<u>July 2024</u>
Arrivals	649	961
Departures	490	703
Training	1,376	1,967
Total Aircraft Overflights within 3 Towers Box	2,515	3,631

Plan: Revisit placement of the Portable Noise Monitor at 3 Towers during peak training time.

4. PUBLIC COMMENT:

A. RECEIVED BY CACNR –

Email from Michael Koscielniak regarding FAA's definition/documentation of densely populated areas – Elizabeth training box.

The FSDO determined that the area is densely populated and that all maneuvers should be conducted above 1,000 ft in this area as a result from a specific flight school event. FAR 91.119 does not give any direction on what is populated vs what is not. A Letter of Intent was issued by the FAA on how this regulation should be interpreted, but it does not specifically define areas that are densely populated vs. not. Ultimately, it is up to the FAA Safety Inspector to make those decisions on a case by case basis. Zach Gabehart will research the Letter of Intent.

Emails from Brenda Dyché regarding a request to FAA to discuss “violation of FAA regulations”, low flying airplanes and stall out maneuvers over homes. (14 in total) Brenda is in contact with the correct people for any action to be taken. CACNR will continue to reach out.

B. MEETING ATTENDEES /VIRTUAL ATTENDEES –

Randy Johnson was present from Louviers. He noted the planes he hears and had heard 681 propeller planes. Many pilots seemed to be avoiding flying directly overhead and flight schools had been reasonably receptive which he appreciates that considerably. He had submitted 15 complaints APA and Rocky Mountain. A new flight school has been approved by the Centennial Airport Board and Randy would like to have a point of contact for the new school.

Brenda Dyché (Elizabeth virtual) remarked that the 3 Towers Noise Monitor does not reflect “actual” noise of continuous aircraft flying over homes and a school. Stall out maneuvers are still taking place over homes. Brenda would like to meet with the FAA to show videos of the “unsafe” activity over her home. She feels she is being harassed; she lives 18 miles from the Airport. Brenda would like to see the 3 Towers Training Box closed.

Kim Hellweg (Elizabeth virtual) Kim resides south of where the Portable Noise Monitor was placed in October. Aircraft noise is constant, all day long – one after another. The schools need to utilize EAST training boxes especially since there is a new flight school! The data does not reflect reality. Nothing has changed. Residents deserve a quiet, peaceful environment.

Discussion: Brenda is in contact with the appropriate FAA person. CACNR will continue to run reports on the training boxes marking repetitive events not volume.

Training boxes are determined by the Pilots Association and Flight Schools based on terrain, population and airspace (Buckley / DIA). The airport's involvement on the selection is only to advise – there is no regulatory jurisdiction.

CACNR will try to collect data on the new Eastern training box. Incentives will be explored to encourage the use of the boxes to the EAST.

The new flight school – Epic Flight Academy – meets the airport's minimum standards. They adhere to the voluntary Noise Abatement Guidelines by making the measures mandatory and have a full-time noise abatement person on staff. Epic will serve as an example to other flight schools at the airport.

CACNR would like to further explore the airport's MINIMUM STANDARDS – an opportunity for education. The airport cannot use minimum standards as a tool to control the flight schools. The airport must remain nondiscriminatory. Federal regulations dictate this.

The question was asked – Are we seeing violations over the training areas? Zach Gabehart's response was, to date, 1 (one) violation has been reported by the FAA.

5. **CACNR STUDY GROUP COMMITTEE:** Brad Pierce, Chris Eubanks, Mike Fronapfel

A. GRADY STONE RESPONSE TO CACNR LETTER OF AUGUST 8, 2024 was reviewed and accepted by CACNR.

Discussion: Use of air space is like CDOT and the public's use of roadways.

Continue to push for unblocked flight tracks, enable the collection of data regarding the flight schools' activity and develop incentive programs. No information regarding flight numbers will be available or provided to the public. This will be for Airport use only.

B. STUDY GROUP COMMITTEE REPORT

Pilot Education & Awareness Strategies - Noise Abatement Information updates are now fully published in the SW US Chart Supplement. Airport Staff completed and submitted updated Chart Supplement information to the FAA for publication. Updated language as well as a graphical depiction of noise abatement information was added. This information includes several aspects of the airport's Voluntary Noise Abatement Guidelines including the preferred pattern area and a graphical depiction of noise sensitive areas.

Proactive Outreach & Education to Flight Schools – The second meeting of 2024 took place on August 15th. Over 20 flight school personnel attended. Air Traffic Personnel discussed several operational and safety factors at the airport. Airport staff discussed Noise Abatement Guidelines, practice area usage, and examined current noise data. The last meeting of 2024 is scheduled for November 21st. Changes to the Centennial Airport Minimum Standards as of January 1, 2025, require flight schools to participate in these meetings, as well as have a local point of contact on airport to receive safety and noise abatement information.

Discussion: lack of attendance, Flight School will receive letter of violation.

Proactive Checking of Extended Traffic During Nighttime Hours – The Noise Analyst in conjunction with the Noise and Environmental Specialist have been regularly looking at nighttime outliers and analyzing data. In Q3 2024 the operators of 20 nighttime outlier aircraft have been contacted by the Noise and Environmental Specialist and reminded of the Voluntary Noise Abatement Guidelines. Outreach continues when nighttime outliers are identified. Discussion: Noise Report states 20

Nighttime violators contact is made with chief pilots. What is the action for repeat offenders? Looking forward - scoring incentives will be addressed/adjusted by these flights.

Airport Add Full-Time Employee for Data Analysis - the full-time employee continues to do various data analysis tasks for the Study Group to evaluate the overflights and as well as examine the effectiveness of implemented mitigation strategies.

Reduction of Touch & Go entering the Study Area down 3,477 from Q3 (8.8%)

YTD aircraft entering the Study Area down 31,766 (3.5%)

As APA operations increase, the number of touch-and-go aircraft entering the Study Area rises, and when APA operations decrease, these metrics follow a similar downward trend.

Mitigation strategies - after these strategies were implemented in October 2023, there was a noticeable decline in the number of aircraft entering the Study Area. Continued reductions were observed following FAA, ACPAA, and Flight School Safety and Noise Abatement Meetings in May and August 2024, suggesting that these mitigation efforts are proving effective.

The report shows that the majority of touch-and-go aircraft entering the Study Area (67.2%) make their base or crosswind turn between Peakview and Orchard.

Feedback to Study Group - Doing the right things that improves the lives of the communities below. Collaborative effort!

5. **PART 150 STUDY UPDATE/PROGRESS:** Forecast reports are still a work in progress.

7. **EXECUTIVE COMMITTEE:**

A. REVISIONS TO PUBLIC COMMENT PROCEDURE were reviewed and accepted by CACNR with the following notations: During public comment, if the speaker would like to extend their time longer than 3 minutes or has a Power Point presentation, the speaker is to contact the CACNR Chair to make their request before the meeting.

B. ACPAA MEETINGS – October & November – reviewed. Pam Thompson had agreed to represent CACNR at the February 2025 ACPAA meeting.

C. SEPTEMBER 2023 RETREAT PRIORITIES no action taken.

D. 2025 BUDGET – Andy Jones: Invoice and Budget were emailed 11/23. CACNR members: Please forward these items to your organizations. A W-9 / Tax ID number can be provided upon request. The question arose – does CACNR need a membership with CML since elected officials are currently members? We can revisit and adjust the budget accordingly.

E. 2025 ACNR/ACPAA MEETING SCHEDULE – noted in packet.

F. CACNR ATTENDANCE THROUGH OCTOBER 2024 – noted in packet.

8. **REPRESENTATIVES' COMMENTS:**

A. RE CACNR BEING REQUESTED TO MEET TITLE 7N STANDARDS – Pam Thompson & Donna Johnston (from November 6, 2024 agenda) Confirmed. These standards do not apply to Nonprofit organizations.

B. General discussion by members included:

Progress has been made as per the data - it is "different" from 2 years ago.

Airlines are hiring. The need for pilots is still a growing industry – hiring 70 pilots per week – not military mostly civilians.

Representative on CACNR for 6 years: more hopeful. We are on a mission. Collaborative effort.

Reminder - Flight reviews are mandatory for 565 aircraft owners at Centennial – meaning there is a minimum 4 hours per month of training for each, this could be a part of the burden.

9. **OTHER REGULAR REPORTS:**

A. AIRPORT DIRECTOR'S REPORT – The following verbal report was provided by Mike Fronapfel:

1. Flight School Activity - Yes, there is a new flight school at APA. Mike reiterated their strict noise abatement practices and views Epic Flight Academy as a role model for other flight schools. Currently they have 1 plane at APA. It was noted airport operations had been down 4.8% - YTD 292,069 flights. APA is now ranked #3 in General Aviation Airports. Deer Valley and Falcone Field are seeing a 23% growth in flights. These airfields have very active flight schools.
2. Part 150 Study Update - Work continues. Maps are being generated. The next public meeting on the study will be announced when these items are completed.
3. Aviation Fuel – How Much Sold/What Kind
4. Community Related Activity - Run was very successful and another will be scheduled /announced.
5. Other Airport Activity – Tower Upgrade planned with \$8 million grant. Two towers in the nation at GA airports are owned by the airport. One is APA. The airport would like the FAA to own the tower facility.

- Hotel – hoping for a January opening.
6. Legislative - none
7. Status of Follow

10. **OLD BUSINESS** - None

11. **NEW BUSINESS:**

A. DRAFT NOISE ABATEMENT POSTER – Zach Gabehart, ACPAA Staff

The content of the poster presented was the same as the voluntary Noise Abatement Guidelines produced and accepted by CACNR. Cost would be about \$300-\$400 to print. Motion was made by Andy Jones to approve and reimburse the airport for the cost of the new Noise Abatement Training Poster, second by Donna Johnson and favorably passed.

12. **PUBLIC COMMENT:** Completed.

13. **ADDITIONAL REPRESENTATIVES' COMMENTS:** None

14. **RECOMMENDATIONS TO ACPAA & OTHERS TO POTENTIALLY REDUCE NOISE OVER AFFECTED COMMUNITIES:** None

15. **NEXT MEETINGS:**

A. **CACNR** – February 5th, 2025 6:30 p.m. 7565 South Peoria Street, Englewood, CO 80112
March 5th, 2025
April 2nd, 2025
May 7th, 2025

B. **ACPAA** – February 13th, 2025 3:00 p.m. 7565 South Peoria Street, Englewood, CO 80112
March 13th, 2025
April 10th, 2025
May 8th, 2025

C. **PART 150 MEETING DATES** When and What Meetings, When Available from APA Staff

14. **ADJOURNMENT:** The meeting was adjourned at 8:24 p.m.

Pam Thompson, Acting Secretary