

CENTENNIAL AIRPORT COMMUNITY NOISE ROUNDTABLE  
MINUTES

February 5, 2020

Approved 03/04.20

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 6:30 p.m. by Chair Brad Pierce.

The following were in attendance and a quorum was present:

Arapahoe County:	Kathleen Conti	Centennial:	Candace Moon
Arapahoe County:	Paul Krier	Foxfield:	Pam Thompson
Douglas County:	Lauren Pulver	Lone Tree:	Mike Anderson
Douglas County:	Alison Biggs	AOPA:	Robert Doubek
Aurora:	Brad Pierce	CABA:	Don Kuskie
Castle Pines:	Melissa Coudeyras		

Others in attendance were Arapahoe County Alternate Representative Bill Skinner; Douglas County Alternate Representative Mark Adams; Aurora Alternate Representative Liia Koiv-Haus; Past Centennial Alternate Representative Andrea Suhaka; and ACPAA Staff Dylan Heberlein. Mark Adams was welcomed as the new Alternate Representative for Douglas County's unincorporated position; he works for United Airlines and had been at DIA for eight years.

Those absent were:

ACPAA:	Robert Olislagers/Mike Fronapfel	CDOT Aeronautics Div:	Todd Green/Vacant
Castle Rock:	Jason Gray/James Townsend	FAA APA Control Tower:	Joseph Wolters/Ron Curry
Cherry Hills Village:	Al Blum/Afshin Safavi	FAA District Office:	John Bauer/John Sweeney
Greenwood Village:	Tom Dougherty/Karen Billie	TRACON:	Steve Martin/Bill Dunn
Parker:	Amy Holland/vacant		

Following the call to order and the roll call, the meeting was recessed so the committees could meet. The meeting was reconvened at 7:03 p.m.

2. **APPROVAL OF AGENDA:** On the motion Mike Anderson, duly seconded, the agenda was approved as presented.

3. **PUBLIC COMMENT:** Welcomed guests included Frank Lawrence from Foxfield, Josh Pruzek from AOPA, and eight members of Cub Scout Pack 131, and their leaders, from the Rolling Hills area of Centennial. Bob Doubek noted that Mr. Pruzek is responsible for AOPA activities in a 7-state area which includes Colorado; AOPA has about 10,000 members in the state.

4. **CONSENT AGENDA:** The Consent Agenda included the December 4, 2019 draft minutes, and an undated Treasurer's Report. At the request of Alison Biggs, both items were moved to Agenda Item #5.

5. **ITEM(S) REMOVED FROM CONSENT AGENDA:** In relation to the December minutes, a request to check the spelling of some names had not been accomplished, and that request did show up in the version of the minutes which had been emailed. On the motion of Alison Biggs, duly seconded, it was agreed to approve the minutes once the name spellings were checked and corrected if necessary.

The new format for the Treasurer's Report was missing a date – it was prepared as of January 31, 2020 and showed a balance of \$25,528.41. There were areas noted which needed clarification. Suggestion was made that the report should not be approved until March. On the motion of Alison Biggs, duly seconded, the report was approved on a vote of 8-1. It was noted CACNR had not received a December/Year End report for 2019. Dylan Heberlein indicated he would send that report.

It was also noted the \$1,000 invoice for N.O.I.S.E. membership had been received, as had notice of the renewal of CACNR's GoDaddy domain name. Those payments would be reflected in the next Treasurer's Report.

6. **COMMITTEE REPORTS:**

A. **COMMUNITY OUTREACH** – Mellissa Coudeyras presented a mock-up of the website under development. It was anticipated the site might be active by February. Suggestions were made about such things as the photographs used, updating the Noise 101 section, changing some terminology, adding such things as annual reports, bylaws, the memorandum of understanding and work program, assuring photographs used did not depict commercial airliners, etc. Any Holland will be able to post things on the site and make other changes in the future. It was agreed to include the CACNR meeting materials packets for each month, minus the CACNR Roster. Representatives' names should be listed with their corresponding Member, and anyone wishing to contact any CACNR Representative would be referred to the CACNR email address.

B. **FLY QUIET** – Don Kuskie reported the committee was still addressing its task list from the Work Program. A mock-up of the new reflective signs was available. Four have been purchased by ACPAA and will be placed at the ends of the parallel runways where the foundations of the old signs can be used. If it is decided to place any elsewhere, such as the runway areas, foundations would have to be put in first.

There had been tracking of touch and go activity by flight schools, and today there had been sixteen beyond the requested north/south pattern in a short time. It seemed the control tower had been directing such activity, so further checking would occur, followed by some type of communication with the tower.

Development of a letter of commitment to be signed by local pilots or those who have badges for ramp access, continued to be explored. Thoughts had included perhaps offering the chance to win a gift card to those who sign on to fly quiet.

Incentives for owners of piston airplanes to install quieter exhausts were also being considered, with exploration of the whole picture, including costs and feasibility to come first.

C. **NOISE MONITORS** – Candace Moon noted the committee had not met, and it seemed to need a new chair. The TRACON tour had been attended by about 12 individuals, including one from ACPAA. The group had been split into two for part of the tour, with the activity level in the control center increasing considerably in the short time between groups. Appreciation was expressed for how the group was treated, and Candace Moon was thanked for arranging the trip. She would draft a thank-you letter for Brad Pierce to sign, with CACNR's logo.

Several observations were shared, including how helpful it had been in understanding how things work at TRACON. It had been noted that some things such as the design of DIA would have been different if air traffic controllers had been involved in the planning. The new director, with a background in Houston and elsewhere, is apparently very experienced. Although the group had been cautioned not to discuss Metroplex, it did come up occasionally, with such things as reference to the big overhaul that was pending and looking more closely at Centennial's increasing activity level in relation to that. It was noted there is a training center at TRACON for the Centennial tower and perhaps a tour of that might be arranged, if the FAA would approve.

The November 2019 Noise Report was reviewed by Dylan Heberlein. It showed there had been 26,613 total operations in November. 12,652 of those were local flights. Year to date, there had been a total of 325,934 operations.

During November, there were 23,758 noise events at the 12 noise monitors. Noise events at each monitor were:

- 6,791 events at the Golf Course monitor on airport property (4,270 in the 60-69 decibel range)
- 5,635 events at the Meridian monitor (4,341 in the 60-69 decibel range)
- 2,733 events at the Airport East monitor on airport property (1,630 in the 60-69 decibel range)
- 2,072 events at the Parker monitor (1,505 in the 60-69 decibel range)
- 2,005 events at the State Park monitor (1,983 in the 60-69 decibel range)
- 1,122 events at the Grandview Estates monitor (1,003 in the 60-69 decibel range)

- 989 events at the Castle Rock monitor (935 in the 60-69 decibel range)
- 903 events at the Greenwood Village monitor (784 in the 60-69 decibel range)
- 652 events at the Lone Tree monitor (601 in the 60-69 decibel range)
- 463 events at the Hunter's Hill monitor (399 in the 60 – 69 decibel range)
- 292 events at the Castle Pines monitor (214 in the 60-69 decibel range)
- 101 events at the Sagebrush Park monitor (92 in the 60-69 decibel range)

Eliminating the two monitors on airport property, the top five locations with noise events in the 70-79 decibel range were:

Meridian – 1,246	Parker – 270	Castle Pines – 77
State Park – 488	Grandview Estates – 110	

Eliminating the two monitors on airport property, the five locations with noise events in the 80-89 decibel range were:

Meridian – 44	
Grandview Estates & State Park – 9 each	
Greenwood Village – 6	Hunter's Hill – 5

Eliminating the two monitors on airport property, Meridian was the only location with noise events in excess of 90 decibels, and there had been 4.

In November, there had been 480 complaints from 30 households:

Of the 30 households, 6 each had been in Unincorporated Douglas County and Greenwood Village; 5 were in Centennial; 4 in Unincorporated Arapahoe County; 3 were in Aurora; 2 in Highlands Ranch; and 1 each from Castle Pines, Cherry Hills Village, Parker, and Other.

Of the 480 complaints, 215 had come from Centennial (45%); 120 from Aurora (25%); 58 from Unincorporated Douglas County (12%); 42 were from Unincorporated Arapahoe County (9%); 31 were from Greenwood Village (7%); 8 were from Parker (2%); 2 each from Highlands Ranch and Other (0.2%); and 1 from Cherry Hills Village (0.2%).

15 complainers had requested responses from the airport, with 9 of those requests made by email, and 6 by telephone.

Year to date, there had been 5,239 complaints from 268 households. The top five areas with complaining households were Unincorporated Arapahoe County (77); Greenwood Village (50); Unincorporated Douglas County (37); Centennial (22); and Other (18).

Other the 5,239 complaints through November, 1,709 had come from Centennial; 1,164 were from Unincorporated Arapahoe County; 840 originated from Unincorporated Douglas County; 511 were from Aurora; 482 had come from Greenwood Village; 300 from Lone Tree; 82 were from Parker; 67 from Other; 37 came from Highlands Ranch; 24 originated from Denver; 12 were from Cherry Hills Village; and 11 were from Castle Pines.

Year to date, the top five households registering complaints were from Centennial (1660); Unincorporated Arapahoe County (774); Unincorporated Douglas County (626); Aurora (345); and Aurora (161).

Of the 480 November complaints, 455 (95%) were about daytime flights and 25 (5%) were about nighttime flights. YTD, 4,693 (90%) of the complaints were about daytime flights and 546 (10 %) were about nighttime flights.

Comparatively, there were 480 complaints resulting from 26,613 operations in November 2019 (18%). There had been 211 complaints resulting from 26,240 operations in November 2018 (8%).

Jets accounted for 21% of the complaints in November; props caused 60% of the complaints; helicopters were the cause of 9%;, and there were 10% unknown. Departures were responsible for 41% of the complaints; arrivals were 43%; training was 9%; and 7% were unknown.

The November complaint map showed the locations of the complaints, with 1 being outside the map boundaries in Unincorporated Douglas County south east of Castle Rock.

The Year to Date complaint map showed the wide geographic range of complaints about airport noise, not including the 19 households outside the map boundaries: Franktown, Elizabeth, Castle Rock, Jefferson County, Douglas County, Denver, Boulder, Golden, Black Hawk, and Lakewood. The Radar Track Density Map from September 2019 was again provided.

The December 2019 Noise Report was also reviewed by Dylan Heberlein. It showed there had been 29,850 total operations in December. 14,401 of those were local flights. Year to date, there had been a total of 355,784 operations, with 47% of those (167,818) being local.

During December, there were 24,205 noise events at the 12 noise monitors. Noise events at each monitor were:

- 7,520 events at the Golf Course monitor on airport property (4,808 in the 60-69 decibel range)
- 5,915 events at the Meridian monitor (4,736 in the 60-69 decibel range )
- 2,692 events at the Airport East monitor on airport property (1,552 in the 60-69 decibel range)
- 2,424 events at the State Park monitor (1,872 in the 60-69 decibel range)
- 1,311 events at the Grandview Estates monitor (1,149 in the 60-69 decibel range)
- 981 events at the Parker monitor (847 in the 60-69 decibel range)

- 794 events at the Lone Tree monitor (749 in the 60-69 decibel range)
- 761 events at the Castle Rock monitor (716 in the 60-69 decibel range)
- 669 events at the Greenwood Village monitor (572 in the 60-69 decibel range)
- 512 events at the Hunter's Hill monitor (434 in the 60 – 69 decibel range)
- 230 events at the Castle Pines monitor (212 in the 60-69 decibel range)
- 126 events at the Sagebrush Park monitor (108 in the 60-69 decibel range)

Eliminating the two monitors on airport property, the top five locations with noise events in the 70-79 decibel range were:

Meridian – 1,132	Grandview Estates – 148	Greenwood Village – 90
State Park – 538	Parker – 131	

Eliminating the two monitors on airport property, the locations with noise events in the 80-89 decibel range were:

Meridian – 36	Greenwood Village and Hunter's Hill – 6 each
Grandview Estates - 10	Parker - 3
State Park – 9	Castle Rock - 4
	Lone Tree – 2

Eliminating the two monitors on airport property, those areas with noise events in excess of 90 decibels included Meridian – 11; State Park – 5; Grandview Estates – 3; and Greenwood Village – 1.

In December, there had been 676 complaints from 40 households:

Of the 40 households, 9 had been in Unincorporated Arapahoe County; 7 were in Greenwood Village; 6 in Centennial; 5 in Unincorporated Douglas County; 4 in Parker; 2 each in Aurora, Denver and Parker; and 1 each in Castle Rock, Highlands Ranch and Lone Tree.

Of the 676 complaints, 269 had come from Aurora (40%); 151 were from Centennial (22%); 95 were from Greenwood Village (14%); 74 from Unincorporated Arapahoe County (11%); 67 from Unincorporated Douglas County (10%); 10 were from Parker (2%); 3 each from Denver and Other (4%); 2 from Castle Rock (2%); and 1 each from each from Highlands Ranch and Lone Tree.

16 complainers had requested responses from the airport, with 10 of those requests made by email, and 6 by telephone.

Year to date, there had been 5,915 complaints from 280 households. The top five areas with complaining households were Unincorporated Arapahoe County (78); Greenwood Village (51); Unincorporated Douglas County (37); Centennial (27); and Other (18).

Of the 5,915 complaints through December, 1,860 had come from Centennial; 1,238 were from Unincorporated Arapahoe County; 907 originated from Unincorporated Douglas County; 780 were from Aurora; 577 had come from Greenwood Village; 301 from Lone Tree; 92 were from Parker; 70 from Other; 38 came from Highlands Ranch; 27 originated from Denver; 12 were from Cherry Hills Village; and 11 were from Castle Pines.

For the year, the top five households registering complaints were from Centennial (1805); Unincorporated Arapahoe County (821); Unincorporated Douglas County (688); Aurora (411); and Aurora (364).

Of the 676 December complaints, 639 (90.1%) were about daytime flights and 37 (9.9%) were about nighttime flights. YTD, 5,322 (90.1%) of the complaints were about daytime flights and 583 (9.9%) were about nighttime flights.

Comparatively, there were 676 complaints resulting from 29,850 operations in December 2019 (22.6%). There had been 540 complaints resulting from 25,979 operations in December 2018 (20.8%).

Jets accounted for 36% of the complaints in December; props caused 58% of the complaints; helicopters were the cause of 2%;, and 6% were unknown. Departures were responsible for 50% of the complaints; arrivals were 33%; training was 10%; 6% were unknown; and 1% had been overflights.

The Year to Date complaint map showed the locations of the complaints, with 20 being outside the map boundaries. The Radar Track Density Map from September 2019 was again provided.

D. **WORK PLAN** – The group had not met, but had a meeting scheduled for February 7. A copy of the 2019-2020 Work Program had been circulated with the meeting materials and it was noted the new bylaws call for biennial review and updating of the Work Program, not annual. Accordingly, committees should continue working on the items in that document. However, if a group felt its portion of the document needed to be revised before March 2021, it should feel free to bring that information to the committee. The Work Program should be considered a “living document,” responsive to the changing needs and interests of CACNR.

E. **STUDY GROUP** – The bylaws, adopted on December 4, 2019 had been circulated with the meeting materials, so all Representatives would have an up-to-date copy for their use and reference.

7. **FAA REPORTS:**

- A. **DISTRICT OFFICE** – None.
- B. **APA AIR TRAFFIC CONTROL TOWER** – None
- C. **TRACON** – None

8. **OTHER REGULAR MONTHLY REPORTS:**

A. **ARAPAHOE COUNTY PUBLIC AIRPORT AUTHORITY** – Robert Doubek, ACPAA Treasurer, had provided a written report from the December 12, 2019 meeting. Melissa Coudeyras had attended the meeting for CACNR.

B. **AIRPORT DIRECTOR'S REPORT** – In the absence of the Airport Director, Dylan Heberlein noted the January 24, 2020 memo which had been sent to CACNR regarding the FAA's finding that the Denver Metroplex Project had been found to have no significant Impacts in the area. Several newspaper articles about the project had been included in the emailed materials for this meeting. Suggestion was made that ACPAA reach out to leadership in Columbine Valley and Cherry Hills Village as two of the areas which strongly objected to the FAA's preferred alternative which would be made operational on March 26 per the FAA's ruling. CACNR also asked for clarity as to what legal steps ACPAA was going to be taking in light of the FAA's ruling.

C. **METROPLEX** – See above.

D. **NEXTGEN ADVISORY COMMITTEE (NAC)** – Brad Pierce had provided information from the December 12, 2019 meeting of this group. Ten minutes had been provided on the agenda for Community Engagement, but the discussion had taken 30 minutes. The slides from the presentation which resulted in the discussion were shared. Request had been made

for additional time be devoted to this topic on future agendas, and there was indication that would be done. The next meeting is in April 2020.

E. **N.O.I.S.E.** – Brad Pierce also shared information from the November 20, 2019 N.O.I.S.E. Policy Summit that he had not had time to discuss at the December CACNR meeting. Perhaps the most interesting was information about software that will correlate noise monitor data with complaints. This had been developed by personnel from ABCx2, including James Allerdice. It was agreed CACNR may wish to explore the software further, with either Allerdice or Jason Schwartz with whom we have a consulting arrangement.

Public Outreach materials that Dallas Fort Worth Airport had developed when it was going to be rehabilitating a runway were shared and seemed to be very effective examples of providing information to the public. The next N.O.I.S.E. meeting would be in Washington, DC on March 9, again in conjunction with the National League of Cities.; Brad Pierce will be attending as President of N.O.I.S.E., and CACNR can send a representative.

**9. OLD BUSINESS:**

A. **UC DAVIS AVIATION AND EMISSIONS SYMPOSIUM, MARCH 1-3, 2020, SAN DIEGO** – Melissa Coudeyras and Alison Biggs would attend this symposium for CACNR.

A. **2020 MEETING SCHEDULE FOR CACNR & ACPAA, INCLUDING CACNR REPRESENTATIVES TO ACPAA** – The 2020 meeting schedule was provided. Brad Pierce volunteered to represent CACNR at the February ACPAA meeting, and Paul Krier indicated he could assume that role in April.

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

**10. NEW BUSINESS:**

A. **INFORMATION SHARING** – Copies of the latest CACNR Roster, and Attendance Record were shared.

B. **NOTICE OF MARCH ELECTION OF OFFICERS** – Notice was given about the upcoming March election of officers.

**11. PUBLIC COMMENT:** None

**12. NEXT MEETINGS:**

A. **CACNR** – Mar 04, 2020 6:30 p.m. Arapahoe Board Room, 6924 S. Lima, Centennial 80112  
Apr 01, 2020 6:30 p.m. Arapahoe Board Room, 6924 S. Lima, Centennial 80112  
May 06, 2020 6:30 p.m. Arapahoe Board Room, 6924 S. Lima, Centennial 80112

B. **ACPAA** – Feb 13, 2020 3:00 p.m. Wright Brothers Room, Centennial Airport, 7800 S Peoria St, Englewood, CO  
(Brad Pierce representing CACNR)  
Mar 12, 2020 3:00 p.m. Wright Brothers Room, Centennial Airport, 7800 S Peoria St, Englewood, CO  
(??? representing CACNR)  
Apr 09, 2020 3:00 p.m. Wright Brothers Room, Centennial Airport, 7800 S Peoria St, Englewood, CO  
(Paul Krier representing CACNR)  
May 14, 2020 3:00 p.m. Wright Brothers Room, Centennial Airport, 7800 S Peoria St, Englewood, CO  
(??? representing CACNR)

**13. ADJOURNMENT:** The meeting was adjourned at 8:52 p.m.

Alison Biggs, Secretary