

June 5, 2019

Approved 07/10/11

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: Jamie Hartig Secretary: Alison Biggs

1. **CALL TO ORDER, ROLL CALL, and QUORUM:** The meeting was called to order at 6:35 p.m. by Chair Brad Pierce. The following were in attendance:

Arapahoe County:	Bill Skinner	Centennial:	Candace Moon
Arapahoe County:	Joseph Berger	Greenwood Village:	Tom Dougherty
Douglas County:	Jamie Hartig	Parker:	Amy Holland
Douglas County:	Alison Biggs	AOPA:	Robert Doubek
Aurora:	Brad Pierce		

Also in attendance were Centennial Alternate Representative Andrea Suhaka; Fly Quiet Committee Member Bill Wasmund; ACPAA Staff Dylan Heberlein; Aurora Planner II and former Aurora CACNR Alternate Representative Porter Ingram; and Lone Tree Senior Planner Hans Friedel.

Those absent were:

ACPAA:	Robert Olislagers/Mike Fronapfel	CABA:	Don Kuskie/Mike Straka
Castle Pines:	Melissa Coudeyras/Ben Price	CDOT Aeronautics Div:	Todd Green/vacant
Castle Rock:	Jason Gray/Sandy Vossler	FAA APA Control Tower:	Diana Hanley/Ron Curry
Foxfield:	Dave Goddard/vacant	TRACON:	Steve Martin/Bill Dunn
Lone Tree:	Mike Anderson/Jennifer Drybread		

Following the call to order and the roll call, the meeting was recessed so that the committees could meet. The meeting was reconvened at 7:15 p.m.

2. **APPROVAL OF THE AGENDA:** On the motion of Jamie Hartig, duly seconded, the agenda was approved.

3. **PUBLIC COMMENT:** None

INTRODUCTIONS: Chair Brad Pierce introduced new Representatives from Arapahoe County and each provided brief information about his background and interest in aviation matters. Bill Skinner will be the Alternate for Kathleen Conti, and Joseph Berger will serve as the temporary Representative for Unincorporated Arapahoe County. Both were welcomed by the group.

It was noted that Mr. Berger lives in Englewood and was therefore ineligible to serve as the Unincorporated Arapahoe County Representative. This had been called to the attention of Kathleen Conti, with an accompanying copy of the membership language from the Memorandum of Understanding. A Representative and Alternate Representative for Unincorporated Arapahoe County will be appointed as soon as possible, although the county has had some difficulty finding anyone to fill the positions. Chair Pierce indicated Mr. Berger would continue to attend meetings until those appointments were made. It was noted his interest was appreciated, and that he could be appointed to serve on one of the CACNR committees as well.

4. **CONSENT AGENDA:** The Consent Agenda included the May 1, 2019 Draft Minutes, and a Treasurer’s Report as of May 31, 2019, which showed a balance of \$21,250.00 On the motion of Amy Holland, duly seconded, the Consent Agenda was approved.

5. **ITEM(S) REMOVED FROM CONSENT AGENDA:** None

6. **COMMITTEE REPORTS:**

A. **COMMUNITY OUTREACH** – Amy Holland reported for the committee. She indicated it was continuing its work on the priority tasks in the Work Program, with emphasis on the website maintenance redesign, and flexibility of use. The current website manager had been contacted but had not been responsive. The use of social media outreach efforts is being explored. It was noted outreach has had more of a passive focus, so ideas were being considered for taking a more proactive approach, such as reaching out to the real estate community. Development of a program for public and/or realtor education might be an area where some outside consulting assistance would be useful.

B. **FLY QUIET** – Bill Wasmund reported for this committee and provided progress on each of its Work Program Tasks. The NBAA Noise Abatement Program had been added to the CACNR website. Dylan Heberlein had been asked for assistance with the look and content of signs to be placed at airport entry gates about noise abatement efforts. Visits to the flight schools continue and the noise abatement posters are placed, and this project requires continuing maintenance. Airport staff and/or committee members attempt to visit the flight schools every six months, in this ongoing effort.

In relation to the LOOOP departure, it had apparently been renamed STAPP and is used mostly at night over the state park and the reservoir. It has been adopted for night use only and will probably not be used during the day. Its relationship to Metroplex routing is unknown. Don Kuskie has been working with Whispertrack and is apparently having some success with its usefulness for pilots in the Centennial area. Two members of the committee continue to study nighttime operations for possible related noise mediation. Nighttime training flights may be few, with few touch and goes.

In relation to a review of hot line calls, Bill Wasmund submitted the following informational report:

“Back in August 2018, I met with Dylan Heberlein and Mike Fronapfel to review the Centennial Airport Noise and Operations Management System (ANOMS). ANOMS is the tool that operations uses to collect flight information on all aircraft arriving and departing KAPA in order to address noise events that are reported via the noise hot line/email etc. Below is a high level review.

“The ANOMS applications allow the KAPA Planning and Operations group to track all flights in and out of Centennial airport on a 24X7X365 basis. In addition, the ANOMS system can provide the information that may be necessary such as date, time, aircraft identification, etc. to resolve any noise complaint issues. The ANOMS application and modules are produced by the same company that created the Web Track application available to the general public (Bruel and Kjare).

“The identification, altitude, and location information from each aircraft is collected via transponder interrogation. This can be accomplished via older Mode C or more advanced Mode S ADSB/out transmissions. The transponder information that is collected by ANOMS goes through number of scrubblings before it is finally presented to the various ANOMS modules. The interrogation is first presented to ATC radar facilities in real time, then it is scrubbed by a company called Harris Radar systems to remove any security and defense information. After Harris, the information is presented to the Centennial ANOMS modules. This process takes 24 hours to complete. This is why verification and accurate response to a noise complaint can not be addressed immediately.”

The committee was still discussing the development of a letter of commitment as listed in Priority Task #8. Reportedly, in Westchester County, NY, pilots sign on to being good neighbors, and do get notified if there are complaints about them. There had also been some discussion of license plate holders/frames for pilots indicating support for quiet flying or some other ‘good neighbor’ kind of message. It was noted this might be a project where CACNR funds could be utilized.

Researching noise silencing exhausts is proving to be complex, with the need to look at the additional weight and space required, as well as the effect on performance and noise. More research is needed, and this will continue to be explored.

There had been some interest in a link between the airport or flight schools with research demonstrations on propeller procedures, but apparently this cannot be done because the FAA requires such testing to be done only in authorized testing areas.

C. **NOISE MONITORS** – Tom Dougherty reported for the committee. He indicated the committee was refining the criteria for analyzing and looking at approximately 15 complaints per month, including what events triggered a complaint, or if there was more than one complaint about an event. Dylan Heberlein presented the case study conducted for aircraft operations in the month of May that either triggered an Lmax event of 70 dB or greater at the nearest noise monitor related to the residence of the complaint or triggered two or more noise complaints. The information also entailed the date and time of the operation as well as the aircraft type. For staffing time, the committee decided to cap the events at 15 per month. The majority of the events being triggered at the number 12 noise monitor with the highest event registered at 77.7 dB by a Cirrus 22 on 5/1/19. Details of each event were reviewed.

The April 2019 Noise Report was reviewed by Dylan Heberlein. It showed there had been 31,284 total operations in April, the highest of the calendar year (27,470 operations in March; 22,332 operations in February; 25,332 in January) for a total of 106,418 operations in the first four months of the year.

During April, there had been 25,560 noise events at the 12 noise monitors, up from 21,944 in March. Noise events at each monitor were:

8,216 events at the Golf Course monitor on airport property	1,184 events at the Castle Rock monitor
5,561 events at the Meridian monitor	1,028 events at the Lone Tree monitor
2,542 events at the Airport East monitor on airport property	991 events at the Greenwood Village monitor
2,067 events at the State Park monitor	573 events at the Hunters Hill monitor
1,593 events at the Parker monitor	211 events at the Castle Pines monitor
1,442 events at the Grandview Estates	152 events at the Sagebrush Park monitor

In April there had been 437 complaints from 55 households:

134 complaints had come from Unincorporated Arapahoe County (31%); 115 complaints had come from Centennial (26%); 86 were from Unincorporated Douglas County (20%); 32 from Greenwood Village (7%); 29 from Aurora (7%); 10 from Lone Tree(2%); 9 were from Highlands Ranch (2%); 8 each from Parker and Denver (2% each); and 6 were from Other (1%). Of those, there had been responses requested from 3 email complaints and 4 telephone complaints.

Of the 55 households, 13 had been in Unincorporated Arapahoe County (24%); 10 were in Greenwood Village (18%); 8 were in Unincorporated Douglas County (15%); 5 each in Highlands Ranch and Lone Tree (10% each); and 3 each in Aurora, Centennial, Parker and Other (5% each).

28 complainers had requested responses from the airport, with 12 of those requests made by email, and 16 by telephone.

Year to date, there had been 1,166 complaints from 82 households:

The highest number of complaining households were: 19 from Unincorporated Arapahoe County; 14 from Greenwood Village; 10 from Unincorporated Douglas County; 8 each from Centennial and Highlands Ranch; 6 each from Denver and Lone Tree; 4 each in Parker and Other; and 3 from Aurora.

Of those households, 301 complaints had come from the 10 located in Unincorporated Douglas County; 286 from the 8 in Centennial; 268 were from the 19 in Unincorporated Arapahoe County; 120 came from 3 in Aurora; 70 from the 6 households in Lone Tree; 62 were from 14 in Greenwood Village; 17 came from 8 in Highlands Ranch; 14 came from 6 households in Denver; 14 came from 4 in Parker; and 11 came from 4 in Other.

YTD, the top five complaining households came from Centennial, Unincorporated Douglas County, Unincorporated Arapahoe County, Aurora, and Lone Tree.

Of the 437 April complaints, 386 (88%) were about daytime flights and 51 (12%) were about nighttime flights. YTD, 1,032 (88.5%) of the complaints were about daytime flights and 134 (11.5%) were about nighttime flights.

Props had accounted for 65% of the complaints; jets accounted for 30% of the complaints; helicopters were 3%; and 2% were unknown. Departures were responsible for 51% of the complaints; arrivals were 28%; training was 17%; and 4% were unknown.

The April complaint map showed the locations of the complaints, with four being outside the map boundaries, in Jefferson County, Elizabeth, and the Boulder area. The Radar Track Density Map, dated March 2019, was again provided. There was some discussion of the one location in eastern Unincorporated Douglas County which was showing numerous complaints. Apparently, a portable noise monitor has been placed there a few years ago, so it was suggested an offer to place one again might be made, for comparative purposes. This location is somewhat off the end of one of Centennial's runways and is also subject to DIA traffic.

Question was asked about the increase in complaint numbers from Centennial. Many do not ask for a response from the airport, so there had been no discussion about specifics. There has been an increase in military flights and military flight schools from Peterson Fields in Colorado Springs, which may have contributed.

D. **WORK PLAN** – Alison Biggs reported the committee was continuing work as reported at the last meeting. There was still a need to learn what type of assistance or resources the other committees would find useful for the completion of their priority tasks. The committee would be speaking with the consultant who had helped with the retreat in 2018, to bring some parameters on times and costs to CACNR.

There was a brief discussion of orienting new Representatives to CACNR, with agreement that an orientation session would be very useful in addition to a manual. Airport staff indicated willingness to conduct tours of the airport as well. Additional ideas of what newer Representatives would find useful were solicited and welcomed.

E. **STUDY GROUP** – Brad Pierce reported the MOU and its Funding Structure document had now been approved by all Regular Members. When all of the signature pages have been received, final documents and signature pages will be provided to every jurisdiction or organization involved. Next step is to bring the CACNR Bylaws into compliance with the MOU.

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 report from the May 9, 2019 ACPAA meeting. Alison Biggs had provided a copy of the CACNR report she had submitted for the May 9, 2019 meeting, and her report from that meeting.

B. **AIRPORT DIRECTOR'S REPORT** – Dylan Heberlein reported for Robert Olislagers, providing information similar to that which had previously been shared with ACPAA. From the Federal legislative front, the differing approaches to the massive infrastructure spending legislation was touched upon, as was removing the cap on Passenger Facility Charges.

C. **METROPLEX** – The final version of the letter written by ACPAA to the FAA regarding the Denver Metroplex Project Draft Environmental Assessment had been provided to CACNR regular members on June 4. Various Representatives indicated if their communities would be submitting comments.

D. **NEXTGEN ADVISORY COMMITTEE (NAC)** – Brad Pierce indicated the next NAC meeting would be in July 31 in the Washington, D.C. area.

E. **N.O.I.S.E.** – Brad Pierce noted the next N.O.I.S.E. meeting would be November 20 in San Antonio.

9. **OLD BUSINESS:**

A. **2019 CACNR REPRESENTATIVES TO ACPAA** – No one was available to represent CACNR at the June 6, 2019 ACPAA meeting. Dylan Heberlein would provide a brief update on CACNR's behalf.

B. **CONGRESSIONAL QUIET SKIES CAUCUS** – Given the time since the 2018 general election, it was agreed this topic could be reactivated, and CACNR should consider inviting at least Jason Crow, Ken Buck, Corey Gardner and Michael Bennett to become members. The topic will be discussed further at a future meeting.

C. **CACNR ATTENDANCE RECORD PER CACNR BYLAWS** – Alison Biggs had provided this record and explained its creation and purpose in compliance with the bylaws. The attendance of some members, in both the regular and advisory groups, is far less than that called for in the bylaws.

10. **NEW BUSINESS:**

A. **INFORMATION SHARING** – None

11. **PUBLIC COMMENT:** None

12. **NEXT MEETINGS:**

A. **CACNR** – July 10, 2019 6:30 p.m. Arapahoe Board Room, 6924 S. Lima, Centennial 80112
Aug 07, 2019 6:30 p.m. Arapahoe Board Room, 6924 S. Lima, Centennial 80112
Sep 04, 2019 6:30 p.m. Arapahoe Board Room, 6924 S. Lima, Centennial 80112
Oct 02, 2019 6:30 p.m. Arapahoe Board Room, 6924 S. Lima, Centennial 80112
Nov 06, 2019 6:30 p.m. Arapahoe Board Room, 6924 S. Lima, Centennial 80112
Dec 04, 2019 6:30 p.m. Arapahoe Board Room, 6924 S. Lima, Centennial 80112

B. **ACPAA** – July – No Meeting

Aug 08, 2019 3:00 p.m., Wright Brothers Room, Centennial Airport, 7800 S Peoria St, Englewood, CO
(?? representing CACNR – needs to report on CACNR mtgs of July 10 &
Aug 7)
Sep 12, 2019 3:00 p.m. Wright Brothers Room, Centennial Airport, 7800 S Peoria St., Englewood, CO
(??? representing CACNR)
Oct 10, 2019 3:00 p.m. Wright Brothers Room, Centennial Airport, 7800 S Peoria St., Englewood, CO
(??? representing CACNR)
Nov 14, 2019 3:00 p.m. Wright Brothers Room, Centennial Airport, 7800 S Peoria St., Englewood, CO
(??? representing CACNR)
Dec 12, 2019 3:00 p.m. Wright Brothers Room, Centennial Airport, 7800 S Peoria St., Englewood, CO
(??? representing CACNR)

13. **ADJOURNMENT:** The meeting was adjourned at 8:36 p.m.

Alison Biggs, Secretary