

November 14, 2018

Approved December 5, 2018

VISION – QUIETER SKIES FOR OUR COMMUNITIES

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

Chair: Brad Pierce Vice Chair: Katy Brown Treasurer: Jamie Hartig Secretary: Alison Biggs

1. **CALL TO ORDER, ROLL CALL, and QUORUM:** The meeting was called to order at 6:31 p.m. by Chair Brad Pierce.

The following were in attendance:

Arapahoe County:	Kathleen Conti	Cherry Hills Village:	Katy Brown
Douglas County:	Jamie Hartig	Greenwood Village:	Tom Dougherty
Douglas County:	Alison Biggs	Lone Tree:	Mike Anderson
Aurora:	Brad Pierce	Parker:	Amy Holland
Castle Pines:	Ben Price	ACPAA:	Mike Fronapfel
Castle Rock:	Sandy Vossler	AOPA:	Robert Doubek
Centennial:	Candace Moon	CABA:	Don Kuskie

Also, in attendance were Aurora Alternate Representative Liia Koiv-Haus; and Noise Monitor Committee Chair Bette Todd.

Those absent were:

Arapahoe County:	Jim Dawkins/vacant	CDOT Aeronautics Division:	Todd Green/vacant
Foxfield:	Dave Goddard/vacant	FAA District Office:	Linda Bruce/Kandace Krull
APA Control Tower:	Diana Hanley/Ron Curry	FAA TRACON:	Steve Martin/Bill Dunn

Following the call to order and the roll call, the meeting was recessed so that the committees could meet. The meeting was reconvened at 7:11 p.m.

2. **APPROVAL OF THE AGENDA:** Alison Biggs noted agenda item '6.E Study Group' had been inadvertently left off the agenda. She moved to return the Study Group to the proper place on the agenda. Motion was seconded and carried. She then moved to approve the agenda as amended. Motion was seconded and carried.

3. **PUBLIC COMMENT:** None.

4. **CONSENT AGENDA:** The Consent Agenda included the October 3, 2018 Draft Minutes, and a Treasurer's Report as of November 9, 2018, which showed a balance of \$3,351.38. On the motion of Katy Brown, duly seconded, the Consent Agenda was approved.

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

6. **COMMITTEE REPORTS:**

A. **COMMUNITY OUTREACH** – Ben Price reported for this committee. He indicated they had agreed there needed to be an initial focus on clarifying CACNR's presence on its website. There had been discussion about the role of CACNR in relation to land use as has been included during the May retreat. The topic will receive further consideration by the committee. In general, there had been agreement with the remainder of the ideas included in this committee's portion of the draft Work Program.

B. **FLY QUIET** – Don Kuskie reported the committee had done its homework before this meeting and determined what it wanted to accomplish. There will be further revision made, and the result will be sent to the Work Plan Committee for inclusion in the next Work Program Draft. He indicated additional noise abatement posters had been distributed and were up; placing posters at the self-service fueling stations was still being explored. The NBAA noise abatement program information had been placed on CACNR's website.

C. **NOISE MONITORS** – Tom Dougherty indicated most items in the draft Work Program had been considered appropriate, but some would be combined or reworded for the next draft.

Noise reports had been provided for both September 2018 and October 2018. In the interest of time, only the figures from October were reviewed in any detail. These minutes include the information that was provided for both months.

During September 2018:

The Noise Report from September 2018 showed there had been 32,339 operations, down from 33,567 operations in August, 34,195 operations in July, but up from 31,917 operations in June; 30,339 operations in May; and 25,453 operations in April.

During September, there were 24,504 noise events at the 12 noise monitors, down from 26,742 noise events in August, and from 26,671 noise events in July and 25,544 noise events during June. Noise events at each monitor were:

8,305 events at the Golf Course monitor on airport property
4,794 events at the Meridian monitor
2,523 events at the State Park monitor
2,482 events at the Airport East monitor on airport property
1,638 events at the Grandview Estates monitor
1,420 events at the Parker monitor

863 events at the Greenwood Village monitor
802 events at the Lone Tree monitor
765 events at the Castle Rock monitor
413 events at the Hunters Hill monitor
222 events at the Castle Pines monitor
166 events at the Sagebrush Park monitor

In September 2018, there had been 566 complaints from 80 households, compared to 680 complaints from 81 households in August and 491 complaints from 61 households in July. Year to date, there have been 6,102 complaints from 341 households.

In September 2018, 185 complaints had come from Unincorporated Arapahoe County (33%); 104 from Unincorporated Douglas County (18%); 73 from Aurora (13%); 62 from Centennial (11%); 49 from Greenwood Village (9%); 48 from Lone Tree(8%); 21 from Highlands Ranch (4%); 9 from Parker(1.6%); 7 from Cherry Hills Village (1.2%); 5 from Other (.9%); and 3 from Denver (.5%) for a total of 566 complaints.

Households those complaints had come from were: 29 from Unincorporated Arapahoe County; 18 from Greenwood Village; 9 from Unincorporated Douglas County; 5 each from Centennial and Cherry Hills Village; 4 from Lone Trees; 3 from Aurora; 2 each from Denver, Parker and Other; and 1 from Highlands Ranch, for a total of 80 households complaining. Of those, there had been responses requested from 15 email complaints and 20 telephone complaints.

Year-to-date, the highest number of complaining households were: 134 from Unincorporated Arapahoe County; 57 from Greenwood Village; 36 from Unincorporated Douglas County; 30 from Centennial; 19 from Lone Tree; 12 from Cherry Hills Village and Other; 11 each from Aurora and Denver; 8 from Parker; 7 from Highlands Ranch; 3 from Castle Rock; and 1 from Castle Pines, for a total of 341 households.

Of the 566 complaints lodged in September 2018, 511 (90.3%) were daytime complaints, and 55 (9.7%) were nighttime complaints. YTD at the end of September, of the 6,102 complaints lodged, there had been 5,389 (88.3%) daytime complaints and 713 (11.97%) nighttime complaints.

In September 2018, jets accounted for 50% of the complaints; props accounted for 49% of the complaints; and helicopters were 1%. Departures accounted for 50% of the complaints; arrivals were 31%; training was 16%; and 3% were unknown. One complaining household was outside of the map area provided.

During October 2018:

The Noise Report from October 2018 showed there had been 27,281 operations, down from 32,339 operations in September; September had the lowest number of total operations since April 2018. There had been a year to date total of 289,181 operations by the end of October 2018.

During October, there were 26,396 noise events at the 12 noise monitors, up from 24,504 noise events in September, down from 26,742 noise events in August, from 26,671 noise events in July and up from 25,544 noise events during June. Noise events at each monitor were:

8,387 events at the Golf Course monitor on airport property
5,373 events at the Meridian monitor
2,860 events at the Airport East monitor on airport property
2,502 events at the State Park monitor
1,728 events at the Grandview Estates
1,541 events at the Parker monitor

1,076 events at the Castle Rock monitor
1,034 events at the Greenwood Village monitor
973 events at the Lone Tree monitor
487 events at the Hunters Hill monitor
228 events at the Castle Pines monitor
207 events at the Sagebrush Park monitor

In October 2018, there had been 379 complaints from 63 households, compared to 566 complaints from 80 households in September, 680 complaints from 81 households in August, and 491 complaints from 61 households in July. Year to date, there had been 6,481 complaints from 362 households.

In October 2018, 110 complaints had come from Unincorporated Douglas County (29%); 104 complaints had come from Unincorporated Arapahoe County (27%); 53 from Aurora (14%); 41 from Greenwood Village (11%); 39 from Centennial (10%); 17 from Lone Tree(4%); 10 from Highlands Ranch (3%); 2 each from Castle Rock and Other (.5% each); and 1 from Denver (.3%), for a total of 379 complaints.

Households those complaints had come from were: 25 from Unincorporated Arapahoe County; 13 from Greenwood Village; 10 from Unincorporated Douglas County; 4 from Lone Tree; 3 from Centennial; 2 each from Castle Rock, Highlands Ranch and Other; 1 each from Aurora and Denver for a total of 63 households complaining. Of those, there had been responses requested from 10 email complaints and 9 telephone complaints.

Year-to-date, the highest number of complaining households were: 143 from Unincorporated Arapahoe County; 61 from Greenwood Village; 39 from Unincorporated Douglas County; 32 from Centennial; 19 from Lone Tree; 13 from Other; 12

from Cherry Hills Village; 11 each from Aurora and Denver; 8 each from Highlands Ranch and Parker; 4 from Castle Rock; and 1 from Castle Pines, for a total of 362 households.

Of the 379 complaints lodged in October 2018, 350 (92.3%) were daytime complaints, and 29 (7.7%) were nighttime complaints. YTD at the end of October, of the 6,481 complaints lodged, there had been 5,739 (88.6%) daytime complaints and 742 (11.4%) nighttime complaints.

In October 2018, props accounted for 51% of the complaints; jets accounted for 48% of the complaints; and helicopters were 1%. Departures accounted for 43% of the complaints; arrivals were 41%; training was 11%; 3% were overflights; and 2% were unknown. Two complaining household were outside of the map area provided.

Per CACNR request, Dylan Heberlein had provided a comparison of noise event at each monitor for the years 2015 – 2017. The information was considered very helpful and would undoubtedly be useful in identifying trends and for other future considerations. Questions were asked, such as if the information included military flights; were police helicopters included; and could the information be paired with flight tracks and ultimately correlated with complaints. The way the information was presented was also considered; there is so much, would another format be easier to deal with. Mike Fronapfel indicated he would share the questions with Heberlein, and CACNR essentially agreed the staff should feel free to experiment with any format it felt held promise.

D. **WORK PLAN** – The committee was appreciative of the input obtained from the committee meetings held at the beginning of this meeting. Following discussion, it was agreed the committees would try to continue their work during the interim before the December meeting, and provide this committee with that information. A second draft would be prepared for the December meeting, and if possible, a 2019 Work Program would be adopted. If the second draft needed additional attention, that could be accommodated within the timeframe established in the CACNR bylaws.

E. **STUDY GROUP** – Brad Pierce reported the MOU and its Funding Structure document had been approved by at least 6 Regular Members; he would be the 'keeper' of the original signed documents. Other Members continued their review for signature according to their individual meeting schedules. Question was asked when the funding would be requested. Response was invoices would be sent when the MOU had been approved by at least 8 members, as called for in the documents. The members of the Study Group remained available to provide additional information or attend any meetings upon request.

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 Chair, read the following report from the October 11, 2018 and November 8, 2018 meetings.

“October 11, 2018:

“The Consent Agenda was approved and included a Report and Recommendations of the Personnel Committee. Items included in the Report:

“A – The Employee Handbook was revised effective 1/1/2019.

“B – Group Insurance Renewal and associated Premium Contributions for the plan year starting 12/1/2018 through 11/30/2019. The Group Plan includes medical, dental and vision coverage.

“C – The Proposed Personnel Budget was presented and represents a 3% increase over the 2018 budgeted amount.

“The Business Agenda included:

“A – Renewal quotes for the ACPAA Insurance Program were expected to be 7% higher than last year. Coverage includes Commercial Property, Automobile, Airport Liability, Public Officials E & O, Privacy and Security, Crime and Fiduciary and Pollution.

“B – Resolution 2018-05 was adopted which includes the 2019 Annual Budget and sets the meeting date. The 2019 operating revenue exceeds operating expense net of depreciation and amortization.

“C – A motion was approved to Request Approval from the FAA to enter in A Community Benefit Lease with Wings Over the Rockies – Exploration of Flight. If approved, the WOR will result in the loss of \$31,904 annually.

“November 8, 2018 :

“The Consent Agenda included :

1) Approval of Resolution 2018-06 for \$25,000 grant from CDOT for the Master Plan Update.

2) A motion was made and approved to engage BKD.LLP for the audit of the 2018 Financial Statements.

“No Items were presented for The Business Agenda.”

“Robert Doubek, ACPAA Chair

Rjd 11/12/2018”

Alison Biggs had represented CACNR at the October ACPAA meeting and noted there would be a hearing on the ACPAA budget during its December 13, 2018 meeting. The budget includes \$75,000 for “Noise,” reportedly including the 2019 funds for CACNR. \$35,055 had been spent on that category in 2017, and \$43,000 was estimated to be spent in 2018. As noted above, the airport also had received some funding from a State grant, and a grant from the Department of Transportation’s Division of Aeronautics to be used as part of the airport’s required match for its upcoming Master Plan update.

Question was asked about the time-table for the Master Plan update. Response was it had started five months ago and would likely be a 20-month process. Question was asked if CACNR could be kept in the loop as development of the plan progressed. Response was yes.

For those interested in the progress of the Wings Over the Rockies projects at Centennial Airport, its President and CEO had written a very informative letter to ACPAA which had been included in the meeting materials for October 11, 2018.

B. **AIRPORT DIRECTOR’S REPORT** – Dylan Heberlein had shared information from Robert Olislagers and the Kaplan, Kirsch & Rockwell Airport Law Alert which provided details of the FAA reauthorization legislation which had passed Congress.

C. **METROPLEX** – Mike Fronapfel indicated there were upcoming meetings about Metroplex being held by the FAA for elected officials only. There had apparently been some confusion about the reason for not including the public, how many meetings, when and where, etc. It was anticipated some clarity should emerge before they get underway.

D. **NEXTGEN ADVISORY COMMITTEE (NAC)** – Brad Pierce had attended the October 31, 2018 meeting in Washington, DC. He noted two individuals from Palo Alto had spoken with concern about the concentration of flight tracks over their area from the San Francisco airport. There had been a presentation about community involvement from MassPort, a group which includes representation from 40 communities in the Boston Logan Airport area.

Pierce and Emily Tranter from N.O.I.S.E. had spoken with the NAC chair again about N.O.I.S.E. being more involved with the NAC community efforts. The next NAC meeting will be in February 2019.

E. **N.O.I.S.E.** – The N.O.I.S.E. Policy Summit and Metroplex-Netg Involvement Workshop was held in Los Angeles on November 7, 2018, in conjunction with the National League of Cities 2018 City Summit. Melissa Coudeyras had represented CACNR and Brad Pierce attended as President of N.O.I.S.E. The written report below was provided by Melissa Coudeyras:

“Dennis McGrann – NOISE Executive Director

“Brad Pierce – Nextgen Advisory Committee, N.O.I.S.E. president

“Met last week. Palo Alto had 2 reps spoke about their noise issues. FAA is working to reduce noise at major airports.

“Metroplex-Nextgen implementation – Elected members meeting Dec 6th-4-6pm in Aurora

“Emily Tranter

“NAC-FAA is looking at how they can change flight tracks to improve communities’ impacts.

“Congress seems like they want to work with communities impacted by flight path changes.

“Sandy Lancaster – Environmental Program Director, DFW

“Communities and Aviation Noise-an Airport Perspective

“Airports don’t have control over flight paths but are responsible for noise.

“They have the ability to influence land development surrounding the airport – planning

“DFW has compatible development with surrounding areas-(cities).

“Proactive engagement with surrounding communities

“Working with cities to minimize impacts a much as possible.

“Slides on NOISE website.

“Dr. Dan Rutherford – The International Council of Clean Transportation

“Environmental implications of supersonic aircraft-commercial

“Concorde-France-high fuel burn, noise, sonic boom, and expensive. Shut down in 2003.

“3 current startups-BOOM, Aerioncorp, and Spike Aerospace

“BOOM-commercial aviation-targeted to enter into service 2023. 55 seat Mach 2.2 commercial jet. Virgin Airlines and Japan Air.

“Environmental Impacts-using BOOM as a reference, new commercial SST’s would likely fail existing environmental standards for commercial jets. Looking at NO2, CO2 emissions, noise, due to engine type used. Taking an existing engine and modifying it.

“FAA Reuth:

“Propose a noise standard for SST aircraft by 31 March 2020.

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“Propose a rule for overland SST travel.

“Have Sonic boom meet 75dB. Concord was 119 dB. Lockheed Martin working on quieter jet.

“Dr. Stavros Sidiropoulos – Vianair, Inc.

“Noise Preferential Routing for Airspace Planning and Design

“Software Company

“Pilot project with Port Authority of NY and NJ-forecasts of passengers passed 2017 was projected for 2029.

“Current drawings to model airspace are singular and segmented. New software improves on this. More capability to import other data for modeling of airspace. Accounts for all parameters needed to make a safe flight path. Can examine flight paths to reduce noise fuel burn, delay, cost, etc.”

Points of particular note were the Dallas Fort Worth environmental approach of trying to work with communities ahead of change; prevention of future SST flights over land; and the new software which would plot what NextGen changes would do in relation to noise.

F. **3rd QUARTER LAND USE REPORT** – Mike Fronapfel presented the Land Use Development Referrals which had been reviewed from 07/01/2018 through 09/30/2018. There had been 27 referrals, with 8 approvals, 1 not recommended, and the remainder subject to additional comments. There continue to be concerns about developments planned in the Airport Influence Area (AIA) or under the main runway’s Instrument Landing System (ILS). There also continue to be concerns that overflight disclosures are frequently not mentioned until closure, when it is too late for buyers to reconsider. A final concern related to land use in Centennial, where it less strict requirements for developers to use in obtaining variances for development in noise sensitive areas in close proximity to the airport had been approved.

9. OLD BUSINESS:

A. **UC DAVIS** – Information from the UC Davis Aviation Noise and Emissions symposium was shared, including the corrected dates of March 3-5, 2019. A listing of program sessions had also been provided.

B. **FUTURE CACNR MEETING LOCATIONS** – Following discussion of available locations, it was agreed to utilize the Arapahoe County space – the Arapahoe Board Room, 6924 S. Lima, Centennial 80112 – for the December meeting. It was further agreed to release the hold on the Centennial space due to the cost factor involved. Space to be utilized for the remainder of 2019 would be considered in December. It was noted that January 2, 2019 would be the date for the regular meeting of CACNR, which might be difficult for Representatives. Following discussion, it was agreed to NOT meet in January 2019. The remainder of the 2019 calendar would also be considered in December.

C. **CONGRESSIONAL QUIET SKIES CAUCUS** – Utilizing the recent election results, invitations related to this topic would be considered at a future meeting.

10. NEW BUSINESS:

A. **INFORMATION SHARING** – Communications had been shared from the Mayor of Cherry Hills Village to the White House about the Denver Metroplex project. Airport staff was congratulated on the report about an environmental honor Centennial Airport had received from the Colorado Department of Public Health. Mike Fronapfel credited Dylan Heberlein for initiating the idea at the airport and indicated they would be working to achieve a higher award in the future.

11. PUBLIC COMMENT: None

12. NEXT MEETINGS:

A. **CACNR** – Dec 05, 2018 6:30 p.m. Arapahoe Board Room, 6924 S. Lima, Centennial, CO 80112
Feb 06, 2019 6:30 p.m. TBD

B. **ACPAA** – Dec 13, 2018 3:00 p.m., Wright Brothers Room, Centennial Airport, 7800 S Peoria St, Englewood, CO
(Katy Brown representing CACNR)

13. ADJOURNMENT: The meeting was adjourned at 8:33 p.m.

Alison Biggs, Secretary