



CENTENNIAL AIRPORT COMMUNITY NOISE ROUNDTABLE

November 3, 2021

6:30 p.m. – 8:30 p.m.

Members' Representatives and Alternate Representatives:

For In-Person Attendance (preferred): Centennial Airport, 7565 S. Peoria Street, Unit D9, Englewood, CO 80112

Anyone Wishing to Join This Meeting from a telephone, tablet or desktop::

Registration URL

<https://attendee.gotowebinar.com/register/6672971671691137292>

Webinar ID: 238-587-411

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Here is a [link](#) to a helpful, quick guide for anyone who is new to the technology.

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CACNR NOVEMBER 3, 2021 AGENDA

Chair: Brad Pierce **Vice Chair:** Melissa Coudeyras **Treasurer:** Andy Jones **Secretary:** Alison Biggs

CACNR Mission: Utilizing Partnerships to Reduce Airport Noise for the Benefit of Neighboring Communities

1. CALL TO ORDER AND DETERMINATION OF QUORUM:

<i>Arapahoe County:</i>	Carrie Warren-Gully/Bill Skinner Paul Krier/Vacant	<i>Highlands Ranch Metro Dist.</i>	Andy Jones/Renee Anderson
<i>Douglas County:</i>	Abe Laydon/Dan Avery Alison Biggs/Mark Adams	<i>Lone Tree:</i>	Mike Anderson/Alex Hufft
<i>Aurora:</i>	Brad Pierce/Karen Hancock	<i>Parker:</i>	Amy Holland/Todd Hendreks
<i>Castle Pines:</i>	Melissa Coudeyras/Kevin Rants	<i>ACPAA:</i>	Robert Olislagers/Michael Fronapfel
<i>Castle Rock:</i>	Laura Cavey/Sandy Vossler	<i>AOPA:</i>	Robert Doubek/John Hirshman
<i>Centennial:</i>	Candace Moon/Don Sheehan	<i>CABA:</i>	Don Kuskie/Mike Straka
<i>Cherry Hills Village:</i>	Al Blum/Afshin Safavi	<i>CDOT Aeronautics Div:</i>	Todd Green/Vacant
<i>Foxfield:</i>	Pam Thompson/Frank Lawrence	<i>FAA APA Control Tower:</i>	Kurt Carpenter/Ron Curry
<i>Greenwood Village:</i>	Donna Johnston/	<i>FAA District Office:</i>	John Bauer/John Sweeney
		<i>FAA TRACON:</i>	Steve Martin/Bill Dunn
		<i>Wings Over the Rockies:</i>	Bill Wasmund/Keith Palmer

2. PUBLIC COMMENT: (non-Agenda items – 3 minutes per person time limit; correspondence from the public)

- A. MEETING ATTENDEES
- B. FROM CACNR EMAIL ADDRESS

3. CONSENT AGENDA: (items here may be moved to Agenda Item #4, on the request of any CACNR Representative)

- A. DRAFT MINUTES, October 6, 2021 – Alison Biggs, Secretary
- B. TREASURER'S REPORT, September 2021 – Andy Jones, Treasurer
- C. NOISE REPORT, September 2021 – Rachel Keller
- D. ACPAA, October 14, 2021 – Brad Pierce, CACNR Representative to October meeting
- E. NAC Agenda, October 19, 2021 – Brad Pierce

4. ITEMS REMOVED FROM CONSENT AGENDA

5. COMMITTEE REPORTS:

- A. EXECUTIVE/WORK PLAN COMMITTEE – Brad Pierce, Chair
 - 1. Approval of Appointment of Andy Jones as Treasurer
 - 2. Draft Bylaws Amendments
 - 3. Meeting With Flight Schools
- B. COMMUNITY OUTREACH – Melissa Coudeyras, Chair
- C. FLY QUIET – Bill Wasmund, Chair
- D. NOISE MONITORS – Candace Moon, Chair
- E. WORK PROGRAM – Alison Biggs, Chair
 - 1. Draft Orientation Manual Content

6. FAA REPORTS:

A. CENTENNIAL AIRPORT AIR TRAFFIC CONTROL TOWER – Kurt Carpenter/Ron Curry

7. OTHER REGULAR REPORTS:

- A. ACPAA – Robert Doubek, ACPAA Treasurer
- B. AIRPORT DIRECTOR'S REPORT – Mike Fronapfel
 - 1. Airport Activity
 - 2. Legislative
 - 3. Litigation/Metroplex
 - 4. Other

8. OLD BUSINESS:

- A. 2021 MEETING SCHEDULE FOR CACNR AND ACPAA with CACNR REPRESENTATIVES TO ACPAA
 - 1. Need CACNR Representative for ACPAA November 12 (2nd Friday)
- B. CONGRESSIONAL QUIET SKIES CAUCUS
- C. FOLLOW-UP ITEMS FROM PRIOR CACNR MEETINGS

9. NEW BUSINESS:

A. INFORMATION SHARING

10. PUBLIC COMMENT: (3 minutes per person time limit):

11. NEXT MEETINGS:

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

- B. **ACPAA** – November 12, 2021 3:00 p.m. hybrid in-person/virtual meeting (2nd Friday)
December 9, 2021 3:00 p.m. hybrid in-person/virtual meeting

12. ADJOURN



CENTENNIAL AIRPORT COMMUNITY NOISE ROUNDTABLE
MINUTES

October 6, 2021

DRAFT

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

August Complaints:

675 Unincorporated Douglas County
 271 Greenwood Village
 148 Castle Rock
 142 Unincorporated Arapahoe County
 133 Other
 74 Centennial
 37 Aurora
 10 Highlands Ranch
 5 Lone Tree
 1 Castle Pines
 1 Parker
 - Cherry Hills Village
 - Denver

August Households:

17 Unincorporated Arapahoe County
 15 Greenwood Village
 10 Unincorporated Douglas County
 6 Other
 5 Castle Rock
 4 Aurora
 4 Centennial
 2 Highlands Ranch
 2 Lone Tree
 1 Castle Pines
 1 Parker
 - Cherry Hills Village
 - 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:

Complaints:

2,929 Unincorporated Arapahoe County (31%)
 2,378 Unincorporated Douglas County (25.5%)
 1,230 Greenwood Village (13%)
 934 Centennial (10%)
 783 Castle Rock (8%)
 413 Other (4%)
 320 Aurora (3%)
 135 Highlands Ranch (1.5%)
 86 Parker (0.9%)
 35 Lone Tree (0.4%)
 34 Castle Pines (0.4%)
 34 Denver (0.4%)
 1 Cherry Hills Village (0.17%)

Households:

100 Unincorporated Arapahoe County (31%)
 77 Greenwood Village (24%)
 32 Unincorporated Douglas County (10%)
 25 Other (8%)
 24 Centennial (7%)
 16 Denver (5%)
 11 Lone tree (3%)
 10 Aurora (3%)
 8 Highlands Ranch (2.5%)
 7 Castle Pines (2%)
 6 Castle Rock (2%)
 6 Parker (2%)
 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%)
 1,219 Unincorporated Arapahoe County (13%)
 1,150 Unincorporated Arapahoe County (12%)
 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 Schwartz 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 once, 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 (Xm i \$8 \$shi \$j \$i h i v e \$ \$ V i k y e x s r w \$ G J V - \$ t e v \$ 9 4 \$ e m t s v \$ \$ s w i \$ \$ s q t e x t f m \$ T e r r m k - \$) 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

CENTENNIAL AIRPORT COMMUNITY NOISE ROUNDTABLE		2021 BUDGET AS OF OCTOBER 29, 2021		
(Considered a place holder year until the pandemic circumstances have evolved)				
		CACNR 2021 BUDGET	ACTUAL TO DATE	NOTES
INCOME:				
CARRY OVER FROM 2020		\$ 10,277.48	\$ 10,277.48	carry over from 2020
ACPAA		\$ -		
CACNR REGULAR MEMBERS		\$ -		
TOTAL INCOME:		\$ 10,277.48	\$ 10,277.48	
EXPENDITURES:				
WORK PROGRAM:				
COMMUNITY OUTREACH				
Website		\$ 700.00		Website updating and maintenance
		\$ 500.00		Place holder for projects tbd
FLY QUIET		\$ 500.00		Place holder for projects tbd
NOISE MONITOR		\$ 500.00		Place holder for projects tbd
WORK PLAN		\$ 500.00		Place holder for projects tbd
EDUCATION				
2 Reps to UC Davis Symposium**		\$ 500.00	\$ 175.00	Conference registration fees for seven CACNR members to attend Virtual February 23rd-26th UC Davis Symposium at \$25 per person
2 Reps to 2 N.O.I.S.E. Conferences**		\$ -		**2021 conferences will be virtual; no registration fee
CONSULTATION/ TASK SUPPORT		\$ 3,000.00	\$ 2,250.00	Pilot project with Jason Schwartz-invoice received 2/3/21 and submitted for payment 2/4/21, due 3/5/21
			\$ 1,200.00	Consulting Services from Jason Schwartz received 7/13/21 and submitted for payment 7/21/21, due 8/11/21
			\$ 337.50	Consulting Services from Jason Schwartz received 8/16/21 for work done 7/10/21
MEMBERSHIP DUES		\$ 1,000.00	\$ 1,000.00	N.O.I.S.E. 2021 Membership Dues received 8/6/21 and submitted for payment 8/9/21
ADMINISTRATIVE		\$ 200.00	\$ 48.54	Zoom Pro Account expenses for December 2020 and January and February 2021
			\$ 32.36	Zoom Pro Account expenses for March and April 2021
			\$ 100.00	Donation to Lone Tree Arts Center in Memory of Harold Anderson
TOTAL EXPENDITURES AS OF 10-29-21:		\$ 7,400.00	\$ 5,143.40	Actual to be determined at the end of 2021
CARRY OVER TO 2022 AS OF 10-29-21		\$ 2,877.48	\$ 5,134.08	Actual to be determined at the end of 2021
** Usually includes registration, travel, ground transportation, lodging, meals. 2021 meetings will be held virtually				
FRAME OF REFERENCE: MOU Funding Structure adopted 12/13/2018 calls for initial funding to generate \$22,250, with \$10,000 from ACPAA and \$12,250 to come from CANR's Regular Members. "This funding would be in place for the next two years, subject to annual appropriations. Thereafter, CACNR will provide ACPAA and each Regular Member with a report on the previous year's expenditures, and an annual invoice accompanied by a proposed budget indicating how the requested funds would be utilized, so that funds could be appropriated for the coming year."				
PLEASE NOTE FUNDING FROM ACPAA AND REGULAR MEMBERS WAS NOT REQUESTED FOR 2020 and 2021 DUE TO THE ECONOMIC IMPACTS OF THE CORONAVIRUS PANDEMIC. IT IS ANTICIPATED THE SECOND YEAR OF THE FUNDING STRUCTURE OUTLINED ABOVE WILL BE RESUMED FOR 2022				



Centennial Airport Community Noise Roundtable Update
Represented by Brad Pierce, Chair
For October 14, 2021 ACPAA Meeting

- CACNR met on October 6, 2021.
- Three members of the public attended the meeting virtually. One indicated things had been some better lately. The other two noted that was not the case in their areas. One questioned the amount of money spent on the noise monitors if no use can be made of the findings other than just tracking. It was also asked why the airport does not take a more active role and do something; there seem to be no consequences for those who cause the disturbances. The role and authority of the airport v. the FAA had been discussed.
- Use of the CACNR email address has also increased, with members of the public asking for our assistance in addressing their frustrations and concerns about increased noise from aircraft using the airport.
- A 2022 budget was adopted and invoices for 2022 will be going out to Regular Members soon.
- A date for the meeting with the flight schools, CACNR, and the two Counties involved/ACPAA has proven difficult, but we will continue to try to find something acceptable soon.
- The educational portion of the October agenda included information about ANOMS and what airport staff does related to complaints using data from the noise monitor system. The full capability of the system, and what kinds of data might be of most use to CACNR at this time and for the future remain to be explored.



NextGen Advisory Committee (NAC) Meeting

AGENDA

DATE: October 19, 2021
 TIME: 1:00 PM – 4:30 PM ET
 LOCATION: Virtual Only

Item	Time (ET)	Topic	Speaker
1	1:00 – 1:15 PM 15 Minutes	Opening of Meeting <ul style="list-style-type: none"> Establish Quorum Housekeeping Notes Public Statements 	NAC Chairman Chip Childs, SkyWest Airlines
2	1:15 – 1:25 10 Minutes	Chairman’s Report <ul style="list-style-type: none"> Former Meeting Minutes Approval Chairman’s Comments Industry Community Engagement Update 	NAC Chairman
3	1:25 – 1:55 30 Minutes	FAA Report <ul style="list-style-type: none"> FAA Deputy Administrator will provide information on FAA important issues 	Brad Mims, FAA, Deputy Administrator
4	1:55 – 2:40 45 Minutes	Chairman’s Roundtable <ul style="list-style-type: none"> NAC Member Discussion 	NAC Chairman
5	2:40 – 3:10 30 Minutes	FAA Topics <ul style="list-style-type: none"> FAA provides insights on NAC-related issues 	FAA
6	3:10 – 4:10 60 Minutes	NAC Subcommittee (SC) Chairman’s Report NAC Taskings Status <ul style="list-style-type: none"> NAC Task 21-1: MCL Update NAC Tasks 18-4 & 18-5: Focus Area Risks / Mitigations <ul style="list-style-type: none"> Multiple Runway Operations (MRO), Surface & Data Sharing, Performance Based Navigation (PBN), Data Communications, and Northeast Corridor (NEC) 	NAC SC Chairman John Ladner, Alaska Airlines
7	4:10 – 4:15 5 Minutes	Action Item Review / Other Business	FAA
8	-	Closing Comments and Adjourn	NAC Chairman



Centennial Airport Community Noise Roundtable (CACNR)

DRAFT AMENDMENTS TO CACNR BYLAWS
presented 11/3/21

BYLAWS

Adopted December 4, 2019

Updated in 2021 to show addition of New Members

Article I – Purpose of Bylaws

The purpose of these by-laws is to establish guidelines for the internal structure and conduct of meetings of the Centennial Airport Community Noise Roundtable (hereinafter referred to as CACNR), and its interface with elected and/or appointed officials, and the general public. These bylaws are adopted in accordance with Article IV(1)(B) of the CACNR Memorandum of Understanding (MOU).

Article II – Statement of CACNR Purpose

- a. CACNR is a voluntary association of the Arapahoe County Public Airport Authority (ACPAA), neighboring communities, federal and state agencies and airport users created to monitor programs implemented as a result of the adoption of the ACPAA Noise Compatibility Program, including the Fly Quiet Program guidelines and the Noise Monitoring Program, and to address aircraft noise issues impacting the communities surrounding Centennial Airport. The participation and advice of these entities is essential to the success of CACNR.
- b. In an interactive and collaborative open forum, CACNR will adopt a Work Program which includes identifying the dimension of noise issues, discovering possible mitigation actions, finding opportunities for implementation, and evaluating the effectiveness of the mitigations.
- c. While CACNR's initial efforts in the development and implementation of a Work Program will be directed to noise issues associated with current aircraft operations, consideration of future noise issues also will be addressed, including interaction with noise roundtable activities at other airports.

Article III – Membership & Participation (also see Appendices I and II attached hereto)

- a. CACNR membership shall consist of Regular Members (voting members) and Advisory Members (non-voting members) as shown in Appendix I.
- b. New Members, both Regular and Advisory, may be added from time to time in accordance with Article III of the adopted MOU. Members, both Regular and Advisory, may withdraw from time to time in accordance with Article III of the adopted MOU.
- c. Members' Representatives and/or Alternates are expected to attend all regular and special meetings. If a Regular Member's Representative or an Alternate does not attend at least 75% of such meetings annually in the period from April 1 through March 31, the Regular Member will be notified for potential appointment of a replacement(s).
- d. A vacancy in the position of any Member's Representative and/or Alternate shall be filled as soon as possible by that Member. All Representatives and Alternates who serve on CACNR shall serve at the pleasure of their appointing Members. CACNR encourages and recommends Representative and Alternates be appointed to serve a minimum of two years.
- e. An Alternate shall attend and have full authority to represent a Member at any CACNR meeting when the designated Representative is absent, including the authority to vote if the Member is a Regular Member.
- f. On issues to be referred to the ACPAA Board, the ACPAA Representative's vote shall be nonbinding on ACPAA.
- g. If the Representative and Alternate of any Member will be absent for a CACNR meeting, the Representative of such Member may designate a Substitute Representative for that meeting only, and shall notify the CACNR Chair of that designation, in writing.

Article IV - Officers and Terms of Office (also see Appendix II attached hereto)

- a. The Officers of CACNR shall consist of a Chair, Vice Chair, Secretary, and Treasurer, elected from the Regular Membership by a majority of the Regular Member Representatives present at the meeting when elections are held. All

officers will continue to hold voting rights during their terms. Terms of office shall be one year. Elections shall be held at the March meeting of each year and officers will serve from April through March of the year following. There shall be no term limits.

- b. The officers of CACNR may resign from their positions at any time with written notification to CACNR. Upon resignation of the Chair, and until such time as new elections are held, the Vice Chair shall serve as the Chair. Upon resignation of the Vice Chair, Secretary, or Treasurer, the Chair shall appoint a new officer subject to approval of a majority of the Regular Member Representatives present at the meeting when any appointment is made.
- c. In the absence of the Chair at a meeting, the Vice Chair shall serve as the chair for that meeting. In the absence of the Secretary at a meeting, the Chair will appoint an acting Secretary for that meeting. **In the absence of both the Chair and the Vice Chair, the Secretary shall call the meeting to order, and a chair pro tem shall be elected to preside for that meeting.**

Article V – Conduct of Meetings

- a. All meetings of CACNR shall be open to the public.
- b. Meetings of CACNR shall be conducted in accordance with Robert's Rules of Order Newly Revised.
- c. A quorum of CACNR shall consist of at least fifty percent of the Regular Member Representatives, one of whom must be the Chair or Vice Chair **or their designee, identified by an email to the Representatives prior to the start of the meeting.** In the event the fifty percent is an even number, a quorum shall be fifty percent plus one. An official meeting cannot be held if a quorum is not present, as determined by the roll call. In the absence of a quorum, the Chair may decide to:
 - i. Delay the start of the official meeting as a means to achieve a quorum, if possible, or
 - ii. Ask for consensus from the Representatives/Alternates present to hear the information items only on the agenda.
- d. To assure advancement of the work of CACNR through active participation in the formation and implementation of CACNR's Work Program, all present at meetings will be expected to present new, supportive, or differing ideas or testimony in a cooperative, respectful and objective manner.

Article VI – Schedule and Location of CACNR Meetings

- a. Regular meetings of CACNR shall be held monthly at a time and location agreed upon by a majority of CACNR Regular Representatives and posted on the CACNR and the Centennial Airport websites. Meetings may be canceled and/or not scheduled in advance in the absence of sufficient business, at the discretion of the CACNR Chair.
- b. Special meetings shall be held at the request of no fewer than 25% of the Regular Representatives at a time and place to be determined by the Chair, but within two weeks of the request having been made.

Article VII – Notice of Meetings

Notice of regular CACNR meetings shall be given to all representatives at least 48 hours in advance of each meeting. Notice shall include an agenda which has been formalized by the Chair, and, whenever possible, all available supporting material. These items shall also be posted on the CACNR and Centennial Airport websites.

Article VIII – Record of Meetings and Availability of Materials

- a. The minutes of each meeting shall be recorded by the Secretary and made available for Members' Representatives as well as to the public. The minutes shall be reviewed, corrected as necessary and approved by CACNR at the next regular meeting. All records of CACNR meetings shall be posted on the CACNR and Centennial Airport websites after approval.
- b. Copies of all supporting meeting materials shall also be available for the public in printed form at CACNR meetings.
- c. The CACNR Work Program shall be reviewed biennially, to show progress and revise goals. Such review shall take place at the March meeting, with notice provided by the Secretary at the February meeting of each review year.

Article IX – Public Participation

Specific opportunities and time limits for public comment shall be designated on each meeting agenda. At the discretion of the Chair, opportunities for public comment may be offered during discussion of specific topics or during presentations.

Article X – Committees

- a. There shall be an Executive Committee, consisting of the Chair, Vice Chair, Secretary and Treasurer. The Executive Committee shall have the authority to act for CACNR between regular meetings. None of its acts shall conflict with CACNR policies, procedures, or actions previously taken. The Executive Committee, through the Chair, shall report at the next regularly scheduled meeting on any activities undertaken in accordance with this paragraph.
- b. The CACNR Chair, at his/her discretion, may appoint committees to work on specific issues that come before CACNR. Committee chairs shall be appointed by the CACNR Chair and shall be CACNR Representatives. Committee

membership shall include appropriate or interested CACNR Representatives and may include members of the public with skills or knowledge relevant to a committee's assignment.

- c. Any recommendations from CACNR committees shall be considered final and official only upon approval of a majority of the Regular Member's Representatives.

Article XI – Ability to Enter into Contracts

- a. Under Colorado Revised Statutes 7-30-101, CACNR is an unincorporated non-profit association and therefore has the ability to enter into contracts.

Article XII - Amendments to the By-Laws

- a. These by-laws may be amended by a majority vote of all Regular Member Representatives, at any regularly scheduled meeting. Proposed amendments shall be drafted by at least 25% of the Regular Representatives and submitted in writing to the Secretary no later than one week before the meeting at which their adoption is to be considered. Written notification of the proposed amendments shall then be provided, via email, to all representatives at least 48 hours in advance of such meeting.

APPENDIX I
MEMBERS OF CACNR*

REGULAR MEMBERS (voting)

Arapahoe County (2)
Douglas County (2)
Arapahoe County Public Airport Authority (1)
Aurora, City of (1)
Castle Pines, City of (1)
Castle Rock, Town of (1)
Centennial, City of (1)
Cherry Hills Village, City of (1)
Foxfield, Town of (1)
Greenwood Village, City of (1)
Highlands Ranch Metropolitan District (1) (added 5/5/21)
Lone Tree, City of (1)
Parker, Town of (1)

ADVISORY MEMBERS (non-voting)

Aircraft Owners and Pilots Association (AOPA) (1)
Colorado Airport Business Association (CABA) (1)
Colorado Department of Transportation – Aeronautics
Division (CDOT) (1)
Federal Aviation Administration Centennial Control Tower (1)
Federal Aviation Administration Airport Dist. Office (FAA) (1)
Federal Aviation Administration Terminal Radar Approach
Control (TRACON) (1)
Wings Over the Rockies (1) (added 2/3/21)

*The following were also invited to become initial members of CACNR, but subsequently decided not to be involved: Cherry Hills Village, and the City and County of Denver. Cherry Hills Village did become a member in 2014.

APPENDIX II
RESPONSIBILITIES OF CACNR MEMBERS, REPRESENTATIVES/ALTERNATES, AND OFFICERS

MEMBERS: Members in good standing of CACNR will

1. appoint their Representatives and Alternates, or their replacements, in accordance with these bylaws and in a timely fashion;
2. understand and support the objectives and activities of CACNR;
3. communicate with CACNR through their Representatives/Alternates;
4. maintain their financial obligations in accordance with the CACNR MOU.

REPRESENTATIVES/ALTERNATES: All Members' Representatives/Alternates to CACNR will

1. coordinate with each other to assure their Member's representation at all CACNR meetings;
2. if the Representative and Alternate of any Member will be absent for a CACNR meeting, the Representative of such Member may designate a Substitute Representative for that meeting only, and shall notify the CACNR Chair of that designation, in writing;
3. become familiar with the agenda and other meeting materials prior to each meeting;
4. assure confidentiality of designated information shared during CACNR meetings;
5. support the work of CACNR through active participation in the formation and implementation of CACNR's Work Program;
6. present new or differing ideas in a cooperative, respectful and objective manner;
7. assume responsibilities related to the CACNR Work Program as requested by the Chair.
8. If the Representative and Alternate of any Member will be absent for a CACNR meeting, the Representative of such Member may designate a Substitute Representative for that meeting only, and shall notify the CACNR Chair of that designation, in writing.

CHAIR: The Chair of CACNR will

1. chair all regular and special meetings of CACNR, and coordinate with the Vice Chair if unable to be present at any meeting;

2. assure business of CACNR is conducted in accordance with Robert's Rules of Order Newly Revised;
3. assure business of CACNR is conducted with decorum and with respect for differing points of view;
4. notify any Member whose Representative(s) or Alternate(s) have not attended at least 75% of CACNR meetings as established in Article III c. of the bylaws, documenting such absences and requesting replacement of that Representative or Alternate;
5. notify any Member whose Representative(s) or Alternate(s) have behaved in a manner detrimental to the advancement of CACNR's Work Program or has displayed disruptive or rude behaviors, documenting such behaviors, and requesting replacement of that Representative or Alternate;
6. represent CACNR to the general public and at outside functions as appropriate;
7. coordinate CACNR activities with ACPAA, the FAA, and any other appropriate agencies or organizations;
8. oversee implementation of the CACNR Work Program and develop plans to advance its various components;
9. serve as Chair of the CACNR Executive Committee;
10. as necessary, appoint committees to address the various matters relating to CACNR's Work Program;
11. upon the resignation of any officer, appoint a replacement to fill the unexpired term, subject to the approval of CACNR's Regular Representatives;
12. upon the absence of the Secretary at any meeting, appoint an Acting Secretary for that meeting;
13. authorize, with the Treasurer or other member of the CACNR Executive Committee, the expenditure of funds from the designated/restricted fund maintained for CACNR by ACPAA;
14. in coordination with the Treasurer, prepare a CACNR budget for approval of the Regular Representatives;
15. determine the time and place for any special meeting requested by at least 25% of the Regular Representatives;
16. prepare the agenda for all regular and special meetings, in coordination with ACPAA staff;
17. assume other responsibilities and tasks as directed by the Members' Representatives.

VICE CHAIR: The Vice Chair of CACNR will

1. perform the duties of the Chair in her/his absence;
2. serve on the CACNR Executive Committee;
3. work closely with the Chair to develop and implement plans to advance CACNR's Work Program;
4. assist the Chair in monitoring the implementation of the CACNR Work Program;
5. authorize, with either the Chair or the Treasurer, the expenditure of funds from the designated/restricted fund maintained for CACNR by ACPAA, in the absence of either the Chair or the Treasurer;
6. assume other responsibilities and tasks as requested by the Chair or as directed by the Members' Representatives.

SECRETARY: The Secretary of CACNR will

1. record and keep the minutes of each regular and special meeting of CACNR which, when approved, shall be posted on the CACNR and Centennial Airport websites;
2. record meeting attendance at each regular and special meeting of CACNR;
3. assure the records of all meetings are available to the Members' Representatives and Alternates and to the general public;
4. be the custodian of CACNR records, and may coordinate with ACPAA staff to assure maintenance of the CACNR archives;
5. assume responsibility for maintaining and updating the CACNR Work Program which, when approved, will be posted on the CACNR and Centennial Airport websites;
6. provide for notice of the biennial review and updating of the CACNR Work Program as required by these bylaws;
7. provide notice of the upcoming election, one month prior to that election, and invite nominations in accordance with Article IV.a.
8. receive any written, proposed amendments to the bylaws, confirm such amendments have been provided by at least 25% of the Regular Members' Representatives, and provide electronic notification of the proposed amendments to the CACNR Members' Representatives at least 48 hours in advance of the next meeting.
9. serve on the CACNR Executive Committee;
10. authorize, with either the Chair or the Treasurer, the expenditure of funds from the designated/restricted fund maintained for CACNR by ACPAA, in the absence of either the Chair or the Treasurer;
11. assume other responsibilities and tasks as requested by the Chair or as directed by the Members' Representatives.

TREASURER: The Treasurer of CACNR will

1. serve as the chief financial officer of CACNR;
2. coordinate with ACPAA staff in the establishment and management of the designated/restricted fund maintained for CACNR by ACPAA containing the funds from CACNR Members;
3. monitor and provide oversight for CACNR funds and expenses;
4. in coordination with the Chair, prepare a CACNR budget for approval of the Regular Members' Representatives;
5. provide financial reports to CACNR at every regularly scheduled meeting, and as otherwise requested;
6. authorize, with the Chair or other member of the CACNR Executive Committee, the expenditure of funds from the designated/restricted fund maintained for CACNR by ACPAA;
7. serve as a member of the CACNR Executive Committee;
8. assume other responsibilities and tasks as requested by the Chair or as directed by the Members' Representatives.



Fly Quiet Committee - October 2021 Monthly Report

- Re-visiting several projects.
 - Discuss, develop and implement incentives for voluntary use of fly quiet procedures using noise sensors and ANOMS. Donna and Bill met with Rachel and Mike on October 28th to discuss items that will aid in development of the incentive process.
 - Determine the maximum dB an aircraft could produce in order to be considered quiet and be eligible for an incentive.
 - How ANOMS would record the dB of the aircraft along with a data and time stamp
 - How ANOMS would report the data
 - What noise monitor location would produce the best results for a noise reading
 - Discuss what incentives are acceptable and appropriate from the airport's perspective
 - Examine how noise hotlines are handled at other airports. What information is being collected and how it is used. The following airport procedures have been reviewed.

Atlanta, GA	Dekalb-Peachtree	KPDK	Public Reliever	National	Bob D.
Fort Lauderdale	Executive	KFXE	Public Reliever	National	Bill S.
Orlando, FL	Executive	KORL	Public Reliever	National	Don K.
Tampa, FL	Peter O Knight	KTPF	Public Reliever	Regional	Bob D.
Torrance, CA	Zamperini Field	KTOA	Public Reliever	Regional	Don K.
Van Nuys, CA	Van Nuys	KVNY	Public Reliever	National	Bill S.

- Fly Quiet continues to work with KAPA airport operations to establish a location for a second noise abatement sign. KAPA master plan data has been released, and a potential location has been identified. Additional information and progress updates will follow as more information becomes available.

Email to every new CACNR Representative as soon as we have contact information:

Welcome to the Centennial Airport Community Noise Roundtable.

The material listed below is designed to help you become familiar with CACNR and the various aspects of its work. Please feel free to contact any of the Work Plan or Executive Committees if you have questions or would like additional information.

A tour of the airport is recommended for those new to involvement with it. Please contact airport staff member Rachel Keller to make satisfactory arrangements.

rkeller@centennialairport.com

303-218-2923 or 303-790-0598

STILL TO BE FINALIZED:

Content – identification of specific information to be included still to be determined/finalized for several categories

What else is needed? Input is sought and welcomed from any CACNR Representative. Should we include a roster, and a list of the committees' memberships? What else?

How will the file be managed/updated?

CENTENNIAL AIRPORT COMMUNITY NOISE ROUNDTABLE

(CACNR)

www.centennialairportnoise.com

info@centennialairportnoise.com

ORIENTATION MANUAL

Draft Table of Contents

1. Mission, Vision, Values

2. Overview

CACNR Roster

Map – Airport Influence Area (do we include if/what any jurisdiction has done within its boundaries to address the airport's recommendations?)

Map – Geographic Locations of Members with Noise Monitor Locations

3. Current Governing Documents

Memorandum of Understanding and Funding Structure

CACNR Bylaws

CACNR Policies and Procedures

CACNR Work Program & Appendices A & B (Ongoing Activities; Completed or Removed Action Items)

3. Background

CACNR History

CACNR Annual Reports

Federal Aviation Authority Part 150 Noise Exposure and Land Use Compatibility Study Program

Federal Aviation Authority Part 161

Map – Noise Exposure

Noise 101

CACNR Accomplishments

CACNR Minutes

Work Program Highlights

4. Resources

Arapahoe County Public Airport Authority (ACPAA) www.centennialairport.com

Fly Quiet Program

Noise Complaint Hotline 303-790-4709

Federal Aviation Association (FAA) <https://www.faa.gov>

FAA Community Involvement Program

FAA Denver Metroplex Project

NextGen Advisory Committee

Noise Abatement Guidelines

Other Organizations

Congressional Quiet Skies Caucus <https://nqsc.org/Caucus.html>

National Business Aviation Association <http://NBAA.org>

NBAA Noise Abatement Guidelines

N.O.I.S.E. www.aviation-noise.org

Glossary



ITEMS FOR FOLLOW-UP

For Review on November 3, 2021

- Request was made for a completion date to be added for each item, so CACNR needs to identify its expectations in that regard. Dates need to be established at the time needed action is identified. **ALL**
- Consider what amount of detail is needed; can it be assumed some things will be done without being listed here? **ALL**
- At all meetings, various ideas seem to be discussed/suggested regarding work of the committees, and on other topics as well. Do such discussions need to be listed, or will each committee make note of the ideas, determine follow-up and report back to the larger group? **ALL**

01/06/21

1. Request was made for CACNR to receive a summary or informational report about results from portable noise monitors when they were utilized. **Rachel Keller or airport staff**

02/03/21

1. Information about the Flight Standards District Office to be placed on CACNR's website. **Community Outreach Committee**
2. Explore holding some type of meeting between CACNR and flight school operators; see if Noise Abatement Guidelines (NAG) should be updated; could NAG be formally incorporated into flight school best practices **Brad Pierce and Fly Quiet Committee**
3. Consider rolling #2 into the Work Program; possibly link with good neighbor incentives; Brad Pierce would coordinate such efforts, perhaps starting with consideration of updating the NAG. **Brad Pierce**

03/03/2021

1. Follow up to be done with Jason Crow re Congressional Quiet Skies Caucus. **EC or ?**

04/07/2021

1. Robert Olislagers to work with Dave Adams from Inspiration area about the turning route of southbound flights. **RO**
2. Had John Kocon from northwest of Castle Pines provided more information to airport staff for further exploration of dramatic change in flight paths affecting his area? **Rachel Keller**
3. Jason Schwartz to be asked to provide a cost estimate for two portions of Phase Two. **EC**
4. Reiteration of #2 & #3 from 02/03/21 **Fly Quiet Committee and Brad Pierce**
5. Forward agenda for meeting noted in #7 to Mike Fronapfel and Rachel Keller. **Bill Wasmund.**

6. Send CACNR information about numbers and types of complaints or requests for information received from the public, and the information provided accordingly. **Airport Staff**
7. CACNR to determine what, if any, additional information about noise and its effect on the public it and the public would like to regularly receive, and how that would be used; explore capabilities of current noise monitor system to generate that information; explore capabilities and costs of other systems if appropriate. **No champion identified – could become a major project for a future Work Program?**
8. More attention to be given to the training boxes in the practice areas southeast and southwest of the airport. **Robert Olislagers & airport staff**
9. Ask control tower to attend the meeting under development and referenced in #7 above. Also include the impacts of flight noise in immediate proximity to the airport. **Brad Pierce and Fly Quiet Committee.**
10. Provide information to the public about the anticipated demand for more flight training as the need for new pilots is increasing./**No champion identified – do we pursue at this time or in the future?**

05/05/21

1. David Adams inquired if anything had been learned about his concerns expressed in April. **Rachel Keller with Robert Olislagers**
2. Continue working with Jason Schwartz re Phase II of Work Program Project. **EC**
3. Develop spreadsheet with nighttime data – 10:00 p.m. -6:00 a.m. **Airport Staff**
4. Follow-up possibly making the Good Neighbor Procedure an official procedure. **Liam Clark**
5. More meetings to be held with flight schools (one held). Information being gathered from flight schools to see if there is any consistency. **EC with JS/Fly Quiet/Airport Staff**
6. Still need representative to represent CACNR at June and August-December ACPAA meetings. **All**
7. Communicate with Colorado members of Congressional Quiet Skies Caucus, including link to report from the U.S. Department of Transportation, Office of Inspector General. **Brad Pierce**

06/02/21

1. Staff updates awaited for adding Noise Abatement Guidelines to Whispertrack's electronic tablet application. **Rachel Keller**
2. Continue work on CACNR Orientation materials for placement on CACNR website. **Work Plan and Community Outreach Committees**

08/04/21

1. Clarify the number of flight schools operating at Centennial – one report indicates there are 7, but another indicates only 4. **EC and Airport Staff**
2. Hold education session about capabilities of the noise monitoring system, to include ambient thresholds which are adjusted annually, additional types of data available which CACNR would

find useful, information of how locations of current monitors were selected, etc. **Noise Monitor Committee/EC**

3. Continue work to identify location of 2nd noise abatement sign. **Fly Quiet Committee**

09/01/21

1. Continue working to find date for meeting with flight schools, CACNR, ACPAA, Counties **EC with JS/Fly Quiet/Airport Staff**
1. Provide information about FAA Part 150 and Part 161 **EC**
2. Continue exploring incentives for voluntary use of fly quiet procedures; exploring how hotline information is collected and used at other airports; possibly pursue inviting those high on the complaint list to learn more about how their actions affect the communities. **Fly Quiet Committee**
3. Plan for October educational session on capabilities of noise monitors, determination of current monitors, etc. **EC/Noise Monitor Committee**

11/06/21

1. Send out invoices for 2022 Regular Members. **Treasurer/EC**
2. Schedule Emily Tranter of N.O.I.S.E. to virtually attend a future CACNR meetings. **Brad Pierce**
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. **EC with JS/Fly Quiet/Airport Staff**
4. Explore ways to utilize social media to reach the public. **Community Outreach Committee**
5. Looking at incentives for use of the fly quiet procedures; examine how hotlines are handled at other airports; and establish a location for a second noise abatement sign. **Fly Quiet Committee**
6. If appropriate, share information about 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 with pilots and with flight schools.
7. Place a portable noise monitor in Highlands Ranch until it was needed elsewhere. **Airport Staff and Andy Jones**
8. Determine feasibility and cost of adding a permanent monitor to the system. **??**
9. Mike Fronapfel to provide more historical information about the noise monitors at a later meeting.
10. Have someone such as Eugene Reindel of Harris Miller Miller & Hanson, Inc. (HMMH) who was instrumental in the placement and workings of the monitors) available for a future meeting.