



CENTENNIAL AIRPORT COMMUNITY NOISE ROUNDTABLE

March 2, 2022
6:30 p.m. – 8:30 p.m.

Members' Representatives and Alternate Representatives are requested to attend this meeting in person if possible.

Centennial Airport, 7565 S. Peoria Street, Unit D9, Englewood, CO 80112

Members of the Public may attend the meeting in person, or virtually. If virtual, sign up at: www.CentennialAirport.com, via Noise → Noise Roundtable → click the Registration URL

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CACNR March 2, 2022

AGENDA

Chair: Brad Pierce **Vice Chair:** Paul Krier **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:

Arapahoe County: Carrie Warren-Gully/Vacant
Paul Krier/Vacant

Douglas County: Abe Laydon/Dan Avery
Alison Biggs/Mark Adams

Aurora: Brad Pierce/Karen Hancock

Castle Pines: Chris Eubanks/Ben Price

Castle Rock: Laura Cavey/Sandy Vossler

Centennial: Candace Moon/Don Sheehan

Cherry Hills Village: Al Blum/Afshin Safavi

Foxfield: Pam Thompson/Frank Lawrence

Greenwood Village: Donna Johnston/Libby Barnacle

Highlands Ranch Metro Dist. Andy Jones/Renee Anderson

Lone Tree: Mike Anderson/Chuck Darnell

Parker: Amy Holland/Todd Hendreks

ACPAA: Michael Fronapfel/Vacant

AOPA: Robert Doubek/John Hirshman

CABA: Don Kuskie/Mike Straka

CDOT Aeronautics Div: Todd Green/Vacant

FAA APA Control Tower: Jeff Holmes/Ron Curry

FAA District Office: John Bauer/John Sweeney

FAA TRACON: Steve Martin/Bill Dunn

Wings Over the Rockies: Bill Wasmund/Keith Palmer

SPECIAL PRESENTATION: Aspen Flying Club

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, January 5, 2022 – Melissa Coudeyras, Acting Secretary

B. TREASURER'S REPORT, February 2022 – Andy Jones, Treasurer

C. NOISE REPORT – January 2022 – Airport Staff

4. ITEMS REMOVED FROM CONSENT AGENDA:

5. COMMITTEE REPORTS:

A. EXECUTIVE/WORK PLAN COMMITTEE – Brad Pierce, Chair

1. Flight School Meeting Follow-up

B. COMMUNITY OUTREACH – Mike Anderson

C. FLY QUIET – Bill Wasmund, Chair

D. NOISE MONITORS – Candace Moon, Chair

E. WORK PROGRAM – Alison Biggs, Chair

6. FAA REPORT:

A. CENTENNIAL AIRPORT AIR TRAFFIC CONTROL TOWER – Jeff Holmes/Ron Curry

7. OTHER REGULAR REPORTS:

A. ACPAA – Robert Doubek, ACPAA Treasurer; Brad Pierce/CACNR Report to February 2022 ACPAA Meeting

B. AIRPORT DIRECTOR'S REPORT – Mike Fronapfel

1. Airport Activity
2. Legislative
3. Other

8. **OLD BUSINESS:**

- A. CONGRESSIONAL QUIET SKIES CAUCUS
- B. FOLLOW-UP ITEMS FROM PRIOR CACNR MEETINGS
- C. WHO TO REPRESENT CACNR AT 2022 ACPAA MEETINGS?
- D. POSSIBLE N.O.I.S.E. MEETING AT NLC CONFERENCE March 14-16 in Wash DC

9. **NEW BUSINESS:**

- A. INFORMATION SHARING
- B. ELECTION OF CACNR OFFICERS for 2022-2023
CACNR Bylaws provided for reference

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

11. **NEXT MEETINGS:**

- | | | | |
|------------|----------------|-----------|---|
| A. CACNR – | April 6, 2022 | 6:30 p.m. | 7565 S Peoria Street, Unit 9D |
| | May 4, 2022 | 6:30 p.m. | 7565 S. Peoria Street, Unit 9D |
| B. ACPAA – | March 10, 2022 | 3:00 p.m. | hybrid in-person/virtual meeting – Candace Moon for CACNR |
| | April 14, 2022 | 3:00 p.m. | hybrid in-person/virtual meeting |
| | May 12, 2022 | 3:00 p.m. | hybrid in-person/virtual meeting |

12. **ADJOURN**

CENTENNIAL AIRPORT COMMUNITY NOISE ROUNDTABLE				2022 BUDGET - Approved October 6, 2021
				updated to reflect carryover from 2021
		CACNR 2022 BUDGET	ACTUAL TO DATE	NOTES
INCOME:				
CARRY OVER FROM 2021		\$ 4,765.75	\$ 4,765.75	carry over from 2021
ACPAA		\$ 10,000.00	\$ 10,000.00	
CACNR REGULAR MEMBERS		\$ 13,250.00	\$ 12,250.00	*Castle Rock has not paid CACNR 2022
TOTAL INCOME:		\$ 28,015.75	\$ 27,015.75	
EXPENDITURES:				
WORK PROGRAM:				
COMMUNITY OUTREACH		\$ 2,000.00	\$ -	Website maintenance and various projects tbd
FLY QUIET		\$ 1,000.00	\$ -	Various Projects tbd
NOISE MONITOR		\$ 1,000.00	\$ -	Various Projects tbd
WORK PLAN		\$ 500.00	\$ -	Orientation manual, annual report, other projects tbd
EDUCATION				
2 Reps to UC Davis Symposium		\$ 5,000.00	\$ -	Symposium to be at UC Davis; estimate based on prior on-site symposiums
2 Reps to 2 N.O.I.S.E. Conferences		\$ 4,000.00	\$ -	Based on prior years' on-site conferences
CONSULTATION/ TASK SUPPORT		\$ 2,000.00	\$ -	Projects with Jason Schwartz
MEMBERSHIP DUES		\$ 1,000.00	\$ -	N.O.I.S.E.
ADMINISTRATIVE		\$ 1,000.00	\$ -	Part time secretarial assistance
		\$ 1,000.00	\$ -	Legal
RESERVE		\$ 9,515.75	\$ -	for presently unidentified and unanticipated expenses and/or additional CACNR activities consistent with the approved Work Plan.
TOTAL EXPENDITURES:		\$ 28,015.75	\$ -	
CARRY OVER TO 2023		\$ -		Actual to be determned at the end of 2022
** Usually includes registration, travel, ground transportation, lodging, meals.				
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 IMPACT 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 MINUTES

February 2, 2022

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:** Andy Jones **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 and a quorum was present:

Arapahoe County:	Paul Krier	Greenwood Village	Donna Johnston
Douglas County:	Dan Avery	Lone Tree:	Mike Anderson
Aurora:	Brad Pierce	ACPAA:	Mike Fronapfel
Castle Rock:	Laura Cavey	CABA:	Don Kuskie
Centennial:	Candace Moon	Wings Over the Rockies:	Bill Wasmund
Foxfield:	Pam Thompson		

Others in attendance were Aurora Alternate Representative Karen Hancock; and ACPAA staff Samantha Blymyer, and Gina Conley.

Those absent were:

Arapahoe County:	Carrie Warren-Gully/Vacant	AOPA:	Bob Doubek/John Hirshman
Douglas County:	Alison Biggs/Mark Adams	CDOT Aeronautics Div:	Todd Green/Vacant
Castle Pines:	Chris Eubanks/Kevin Rants	FAA APA Control Tower:	Jeff Holmes/Ron Curry
Cherry Hills Village:	Al Blum/Afshin Safavi	FAA District Office:	John Bauer/John Sweeney
Highlands Ranch Metro District:	Andy Jones	FAA TRACON:	Steve Martin/Bill Dunn
Parker:	Amy Holland/Todd Hendreks		

Due to the absence of the Secretary, the Chair appointed Pam Thompson as Acting Secretary.

SPECIAL PRESENTATION: Aspen Flying Club, Kristin Chipman – Chief Pilot

Aspen aims to reduce noise: members and student pilots are to familiarize themselves with the area as well as the proper way to avoid populated areas. Resources are available to all regarding Airport Noise Abatement which include:

Take-off and landing guidelines / Enter and exit procedures for Elizabeth (SE) and Chatfield (SW) practice areas include climbing to 7500 ft E side of Parker Road on airport exit and returning at 7800 feet W side of Parker Road. In general, trying to keep route over highway.

Where you should not fly (populated areas), and when necessary small, slow adjustments to be made over these populated areas. FAA regulations limit General Aviation as to how high they can fly over the populated areas.

Currently using SE Area near Kiowa for maneuvers and practice “emergency” skills which are typically performed at a lower altitude. If procedures are to be performed lower than 1000 feet, they are encouraged to go to this Kiowa area.

Question was asked about procedures and routes to and from the training areas. Chipman stated, they are attempting to coordinate with other flight schools such as AGP and Flights Inc. but will be more adamant. They are encouraging pilots to use the area E of the fairgrounds near Kiowa as a practice field although the added time of travel (20 minutes) is discouraging.

Question was asked about Castlewood Canyon. Chipman stated that the approach to the practice areas utilize HWY 83 & 86. The visual identity of the route is very easy.

Chipman further noted that the current practice areas have been in existence for 30 years. The steps to formalize the “newer” SE Kiowa practice area include developing and updating maps and overlays, informing pilots, better coordination with all flight schools through contact information and lead instructor information. She notes that the FAA provides only guidance for the formalization of a new practice area.

Questions were asked regarding perhaps another area of interest near the front range for practice east of Parker with even less of an opportunity to fly over homes. Ms. Chipman had concerns with this area due to excessive route traffic.

When asked about touch and go traffic saturation Chipman replied that they are trying to maintain the suggested parameters of Lincoln and Arapahoe although 90% of the time ATC has new guidelines to follow due to safety issues. The touch and go

pattern tends to be full, thus diverting 20-30% of their practices to other airports. Night flights required by pilots are limited with progressive travel, for example - West Broomfield, Longmont, Fort Collins etc., therefore landing at each airport.

Chipman provided a link demonstrating the practice boxes which is used by the pilots: <https://amflight.wpengine.com/wp-content/uploads/2018/07/Practice-Area-tutorial-and-quiz.pdf> She also referenced the link to the Noise Abatement Guidelines: https://www.centennialairport.com/media/attachments/2021/01/19/voluntary_noise_abatement_guidelines.pdf

ACPAA / CANCR would be happy to help facilitate any discussions needed to assist Chipman in coordinating efforts.

2. **PUBLIC COMMENT:**

A. **VIRTUAL/IN-PERSON MEETING ATTENDEES** – Kim Hellweg of Elizabeth thanked Chipman for the information provided. Questions revolved around the coordination of the training areas and the expansion to other areas to reduce activity and noise. Chipman stated they will experiment with a due East exit out of Centennial Airport to help mitigate noise. This may be difficult due to visual references and landmarks as well as route traffic. She will also brainstorm ways to sign up for practice box or staggering times by coordinating with flight schools to reduce overload in that area. Chipman will attend future CANCR meetings to update us on any progress.

B. **FROM CACNR EMAIL ADDRESS** – An email received and the response to it had been included in the meeting materials packet and was noted.

3. **CONSENT AGENDA: A. & B. – DRAFT MINUTES AND TREASURER'S REPORT** - The Consent Agenda included the January 5, 2022 draft CACNR minutes; and a Treasurer's Report dated January 31, 2022 which showed a balance of \$28,015.75. The Consent Agenda also included the December/Year End 2021 Noise Report. On the motion of Donna Johnston, duly seconded, the Consent Agenda was approved.

C. **NOISE REPORT** – The December/2021 Year End Noise Report included the following information:

Total Local Operations:	Year End – 136,691	December – 10,009	November 10,954
Total 2021 Operations:	Year End – 314,071		
	Noise Events:	December – 23,106	

December Totals:	December 60 – 69 db:	December 70-79 db:	December 80-89 db:
6,202 Meridian	4,992 Meridian	2,041 Golf Course	537 Airport East
5,626 Golf Course	3,402 Golf Course	1,159 Meridian	172 Golf Course
2,850 State Park	2,069 State Park	757 State Park	46 Meridian
2,373 Airport East	1,526 Parker	674 Airport East	24 State Park
1,745 Parker	1,280 Grandview Estates	217 Parker	5 Grandview Estates
1,466 Grandview Estates	1,083 Airport East	181 Grandview Estates	4 Greenwood Village
794 Castle Rock	734 Castle Rock	80 Greenwood Village	2 Parker
774 Greenwood Village	690 Greenwood Village	59 Castle Rock	2 Lone Tree
630 Lone Tree	605 Lone Tree	32 Lone Tree	1 Castle Rock
362 Hunters Hill	341 Hunters Hill	21 Hunters Hill	1 Sagebrush Park
163 Sagebrush Park	147 Sagebrush Park	15 Sagebrush Park	- Castle Pines
112 Castle Pines	103 Castle Pines	9 Castle Pines	- Hunters Hill

August noise events in the 90+ decibel range were:

Airport East – 79 Golf Course – 11 Meridian – 5

Noise Complaints and Numbers of Households: December – 365 & 32

December Complaints:	December Households:
162 Greenwood Village	8 Unincorporated Arapahoe County
69 Centennial	7 Other
49 Castle Rock	5 Greenwood Village
34 Unincorporated Arapahoe County	5 Unincorporated Douglas County
19 Other	2 Aurora
18 Aurora	2 Centennial
12 Unincorporated Douglas County	2 Lone Tree
2 Lone Tree	1 Castle Rock

Year to Date, at the end of 2021, there had been 12,865 complaints from 363 households:

Complaints:	Households:
3,469 Unincorporated Douglas County (27%)	106 Unincorporated Arapahoe County (29%)
3,323 Unincorporated Arapahoe County (26%)	84 Greenwood Village (23%)
2,079 Greenwood Village (16%)	40 Unincorporated Douglas County (11%)
1,261 Centennial (10%)	35 Other (10%)
1,167 Castle Rock (9%)	27 Centennial (7%)
662 Other (5%)	17 Denver (5%)
488 Aurora (4%)	12 Lone tree (3%)
199 Highlands Ranch (1.5%)	11 Aurora (3%)
89 Parker (0.7%)	9 Highlands Ranch (2.5%)
52 Lone Tree (0.4%)	7 Castle Pines (2%)
40 Denver (0.3%)	7 Castle Rock (2%)
34 Castle Pines (0.3%)	7 Parker (2%)
2 Cherry Hills Village (0.02%)	1 Cherry Hills Village (0.3%)

December had **responses requested from 23 noise complaints**, with 19 of those made by email and 4 made by phone. **Year to date** at the end of December 2021, there had been **1,291 responses requested**, with 708 requests made by email and 583 by telephone.

329 complaints in **December** were about flights during **day hours** (90%); 36 were about **night flights** (10%). By the end of **2021**, of the 12,865 complaints made, 11,685 (91%) had been about daytime flights, and 1,206 (9%) had been about nighttime flights.

Year to date at the end of December, the **top five complaining households** were in:

2,494 Unincorporated Douglas County (19%)	1,370 Unincorporated Arapahoe County (11%)
1,455 Greenwood Village (11%)	1,283 Unincorporated Arapahoe County (10%)
	1,128 Castle Rock (9%)

Props accounted for 85% of the complaints by aircraft type in December, while **jets accounted for 17% of the complaints**, and **1% were about helicopters**.

Departures were responsible for 49% of the complaints in December. **Arrivals** were responsible for 31% of the complaints, and Training was responsible for 14% of the complaints in December. 6% were unknown.

A graph was provided showing the **previous 35 years' operations v. noise complaints** (with and without the #1 complaining household removed since 2014). The dramatic drop in operations due to Covid during 2020 was in evidence, as was a not-as-dramatic drop in complaints during that time. **2021 complaints by aircraft type:** Prop – 77%; Jet – 21%; Helicopters – 2%. **2021 complaints by operation type:** Departures – 49%; Training – 28%; Arrivals – 23%.

The **December and Year to Date complaint maps** were not provided with this report. A **Radar Track Density Map** was also not available.

4. **ITEMS REMOVED FROM CONSENT AGENDA:** Although it had been approved with the Consent Agenda, question was asked if any of the CACNR invoices sent to its Regular Members' Representatives had been paid. That information was not readily available, but could be provided after the meeting.

5. **COMMITTEE REPORTS:**

A. **EXECUTIVE /WORK PLAN COMMITTEES –**

1. Flight Schools Meeting Follow-Up. Part of the follow-up from that meeting included the presentation made at this meeting by Aspen Flying Club Chief Pilot Kristin Chipman. The Executive Committee would be reviewing the plan of action as drafted by Jason Schwartz.

2. Invoices had been sent out and received by all but two jurisdictions; Arapahoe County and Castle Rock. Follow-up would be done.

3. Motion was made by Donna Johnston to ratify the appointment of Paul Krier as Vice Chair to fill the unexpired term of Melissa Coudeyras. Motion seconded and carried.

B. **COMMUNITY OUTREACH** – Mike Anderson indicated he would coordinate a meeting of this committee.

C. **FLY QUIET** – Bill Wasmund had submitted a written report, included in the meeting materials packet. Exploration of the original idea of incentivizing pilots to fly quietly had shown to be not simply addressed. One idea for consideration included some financial assistance to flight schools for propeller conversions and engine mufflers. Funding for such a program might come from the airport, or possibly CACNR, so the topic would need much further exploration. There was agreement incentive programs need to be realistic and have realistic goals. Wasmund indicated he would be seeking information from others attending the UC Davis Noise and Emissions Symposium about both general and specific incentive programs that have or have not worked elsewhere. One example would be the type of rewards Van Nuys, CA provides to pilots for compliance with what kind of criteria, and if the program is considered successful.

Other items provided in the written report included work the Committee was doing to examine how and what knowledge other airports glean from their noise-related systems, and how it is used. One example given was Dekalb Peachtree Airport, Atlanta, which, on its website, publishes the name and address of each noise hotline caller, and publishes the name and tail number of violation aircraft which is compiled by their noise monitoring system.

D. **NOISE MONITORS** – The Committee had not met, but efforts continue to work with airport staff to examine data CACNR receives from the noise monitors and explore improvements to meet current needs.

E. **WORK PLAN** – No report.

6. **FAA REPORTS:**

A. **CENTENNIAL (APA) AIR TRAFFIC CONTROL TOWER** – No report

7. OTHER REGULAR MONTHLY REPORTS:

A. ACPAA – ACPAA did not meet in January 2022.

B. AIRPORT DIRECTOR'S REPORT – Regarding the In the December 2021 Noise Report, observation was made about the 35 year graph showing the relationship between the numbers of complaints v numbers of operations in that time period. In looking at the graph, the numbers of flights have not increased drastically over the years – about 300,000 each year. In those past years when there were the highest number of recorded flights in and out of Centennial, there were not nearly the number of complaints logged as we have now. What had caused the large increase in noise complaints when the flight activity has remained the same or had decreased from previous years? Many complaints by aircraft type are frequently attributed to propeller aircraft, and by operation type attributed to training. Other factors causing elevated complaints may be linked to the closing of Stapleton Airport when some private flights and many training flights moved to Centennial Airport, the Part 150 Study raising the public's consciousness, the implementation of the Metroplex traffic routes changes, more residential development around the airport, and more people working from home.

1. Airport Activity – Mike Fronapfel attended Airport Conference regarding Noise and land Use. Topics included the selections of noise monitoring systems.

2. Legislative – Laser strikes on aircraft have become a problem, with one pilot having lost 30% of vision permanently. Work is being done with a lobbyist to introduce appropriate legislation at the state level on this topic.

3. Other – The airport's highest fuel sales ever were noted. A grant to be used for reconstruction of the touch and go runway is AIP 56, an AIP (Airport Improvement Program) Grant from the FAA. Construction will occur in June/ July, and should take one month.

C. FOURTH QUARTER LAND USE REVIEW – 16 referrals had been reviewed by ACPAA staff from October 1, 2021 through 12/31/21. One had been approved, and the rest had been subject to comments. There had been no controversial submissions.

8. OLD BUSINESS:

A. CONGRESSIONAL QUIET SKIES CAUCUS – Brad Pierce had obtained the contact information for Rep. Crow's District Director. He will need to get one more document from Emily Tranter at N.O.I.S.E. (she also works with the Quiet Skies Caucus).

B. FOLLOW-UP ITEMS FROM PRIOR CACNR MEETINGS – The list will be updated prior to a future meeting.

C. UC DAVIS NOISE AND EMISSIONS SYMPOSIUM – Bill Wasmund will attend this symposium in person, and Donna Johnston will attend virtually.

D. WHO TO REPRESENT CACNR AT 2022 ACPAA MEETINGS – Brad Pierce will submit a report for CACNR, but may not be able to attend in person. Candace Moon will represent CACNR at the March ACPAA meeting, The rest of the months need representation.

9. NEW BUSINESS:

A. INFORMATION SHARING - None

B. NOTICE OF MARCH 2022 ELECTION OF CACNR OFFICERS – Per the bylaws, election of officers would take place at the March 2022 CACNR meeting. Bylaws were provided for reference.

10. PUBLIC COMMENT: None

11. NEXT MEETINGS:

A. CACNR – March 2, 2022	6:30 p.m. 7565 S Peoria Street, Unit 9D, Englewood, CO
April 6, 2022	6:30 p.m. 7565 S. Peoria Street, Unit 9D, Englewood, CO
May 4, 2022	6:30 p.m. 7565 S. Peoria Street, Unit 9E, Englewood, CO

B. ACPAA – Feb 10, 2022	3:00 p.m. 7565 S Peoria Street, Unit 9D, Englewood, CO	Brad Pierce/CACNR Report
March 10, 2022	3:00 p.m. 7565 S Peoria Street, Unit 9D, Englewood, CO	Candace Moon for ACPAA
April 14, 2022	3:00 p.m. 7565 S Peoria Street, Unit 9D, Englewood, CO	
May 12, 2022	3:00 p.m. 7565 S Peoria Street, Unit 9D, Englewood, CO	

12. ADJOURNMENT: The meeting was adjourned at 8:12 p.m.

Pam Thompson, Acting Secretary



Fly Quiet Committee - February 2022 Monthly Report

Bill Wasmund, Chair

[Creation of Flight Training Funding Program](#)

Kristine Chipman of Aspen Flying club reported at last month's roundtable meeting that it is becoming increasingly difficult for their students to schedule a practice slot for touch and go's in the KAPA pattern. Because of this, other airports such as KCFO, KBJC, and KFLY are being utilized. The out and back time to these airports has in some cases become prohibitive for flight school students.

The Fly Quiet committee has been looking into creating a funding program to assist the flight school students with the added costs of training at alternative airports. After further thought and discussion, it was determined that funding such a program is outside the scope of the committee and the roundtable.

[Discuss with other airports and consultants at the UC Davis conference regarding what voluntary fly quiet incentive programs have been successful.](#)

We are planning to meet with the KAPA airport staff to determine how to coordinate such a discussion. Plan to meet in next two months.



Centennial Airport Community Noise Roundtable Report
February 10, 2022
Prepared by Brad Pierce, CACNR Chair

Summary of January 5, 2022 CACNR virtual meeting

- A special presentation was made by Emily Tranter, Executive Director of the National Organization to Insure a Sound Controlled Environment (N.O.I.S.E.). CACNR Chair Brad Pierce is President of N.O.I.S.E.
 - Ms. Tranter described the funding for aviation Included in the American Rescue Plan Act (ARPA) approved by Congress.
 - Ms. Tranter also discussed the Continuous Lower Energy, Emissions, and Noise Program (CLEEN) investment to go to aircraft companies to improve aircraft emissions and reduce noise levels by producing quieter aircraft. CLEEN is the FAA's principal environmental effort to accelerate the development of new aircraft and engine technologies.
- We discussed the new 5G technology and it's possible effects on commercial aircraft navigation.
- One member of the public thanked airport staff for placing and picking up the portable noise monitor which had been at his location.
- The draft summary report of our virtual meeting with roundtable members, elected officials and flight schools facilitated by Jason Schwartz was discussed.
- Mike Fronapfel talked about a development application submitted to the City of Centennial for live/work units on commercial property that is very close the airport.
- We discussed having a few people from the roundtable attend the UC Davis Aviation Noise and Emissions Symposium

Summary of February 2, 2022 CACNR virtual meeting

- A special presentation was made by Kristine Chipman, who runs the Aspen Flying Club.
 - Her instructors are aware of places to avoid and try to fly at the highest altitude possible. However they need comply with altitude limits of the various classes of airspace
 - They have procedures for decongesting traffic
 - Ms. Chipman talked about the southwest and southeast training area

- She will work on coordinating with the other flight schools on going to and from the training areas. It will entail future conversations because the flight schools use the same routes
- Ms. Chipman she is in the beginning stages of creating a new southeast practice area for Aspen Flying Club east of Kiowa.
- For touch & gos, her instructors make best efforts to stay between Arapahoe Road and Lincoln
- Ms. Chipman was invited to attend future CACNR meetings

- Public Comment
 - One member of the public attended our virtual meeting. Focus was on noise from the flight schools in the southeast training area. Ms. Chipman and the member of the public had a very productive conversation

- Executive Work / Plan Committee
 - Paul Krier was elected Vice Chair of the CACNR. The previous Vice Chair, Melissa Coudeyras left Castle Pines City Council in January
 - All jurisdictions, with the exception of Arapahoe County and Castle Rock, have paid their 2022 Invoices

- Fly Quiet Committee
 - They are a) working toward discussing, developing and implementing incentives for voluntary use of fly quiet procedures and b) examining how committees, noise monitoring systems, and hotlines are structured and utilized at other airports similar to KAPA.

- Executive Director's Report
 - Mike Fronapfel discussed possible state legislation pertaining laser pointers being aimed at pilots

- UC Davis Aviation and Emissions Symposium
 - We will have 2 attendees, 1 in person & 1 virtually

Respectfully submitted,
 Brad Pierce
 Chair, CACNR



ITEMS FOR FOLLOW-UP

For Review on March 2, 2022
Covers Calendar Year 2021

AIRPORT STAFF

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** 01/06/21
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 – now Mike/Samantha** 04 07 21
3. Send CACNR information about numbers and types of complaints or requests for information received from the public, and the information provided accordingly. **Airport Staff** 04/07/21
4. Develop spreadsheet with nighttime data – 10:00 p.m. -6:00 a.m. **Airport Staff** 5/5/21
5. Add CACNR email address and website to the airport's website home page under the listing for the Roundtable. **Rachel Keller – now Mike/Samantha** 11/3/21 in progress
6. Staff analysis of recent flight tracks and updated heat maps to be shared with CACNR **Rachel Keller – now Mike/Samantha and Fly Quiet Committee** 11/03/21
7. CACNR to be provided with current ambient noise levels for each noise monitor. **Rachel Keller – now Mike/Samantha** 11/3/21
8. Provide separate noise data for Elizabeth area, due to increased complaints from that area. **Airport staff – now Mike/Samantha** 12/01/21
9. Make information about air space classifications and their effects easily available to the public. **Rachel Keller – now Mike/Samantha** 11/03/21

BRAD PIERCE AND OTHERS

1. Follow up to be done with Jason Crow re Congressional Quiet Skies Caucus. **Brad Pierce/Emlly Tranter (N.O.I.S.E.)** 03/03/21 In progress
2. Provide link to the report from the U.S. Department of Transportation, Office of Inspector General to Colorado members of Congressional Quiet Skies Caucus. **Brad Pierce/Emlly Tranter** 05/05/21
3. Provide information re the town of Elizabeth becoming CACNR member to Kim Hellweg **Brad Pierce** 12/01/21
Reach out to Elbert County to ascertain its interest in becoming a CACNR member. **Dan Avery** 12/01/21

COMMUNITY OUTREACH COMMITTEE

1. Explore ways to utilize social media to reach the public. **Community Outreach Committee** 10/06/21
2. Provide information to the public about the anticipated demand for more flight training as the need for new pilots is increasing. **Community Outreach Committee** 04/07/21

EXECUTIVE COMMITTEE

1. 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 Fly Quiet/Airport Staff** 05/05/21

FLY QUIET COMMITTEE

1. Continue work to identify location of 2nd noise abatement sign. **Fly Quiet Committee** 08/04/21 in progress
2. Continue exploring incentives for voluntary use of fly quiet procedures; **Fly Quiet Committee** 09/01/21 in progress
 - a. exploring how hotline information is collected and used at other airports
 - b. possibly pursue inviting those high on the complaint list to learn more about how their actions affect the communities.
3. 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. 10/06/21 in progress
4. Fly Quiet reconsidering approach to recognizing pilots who fly quiet. **Fly Quiet Committee** 11/03/21
5. See if Noise Abatement Guidelines (NAG) should be updated **Fly Quiet Committee** 02/03/21
6. Staff updates awaited for adding Noise Abatement Guidelines to Whispertrack's electronic tablet application. **Fly Quiet Committee with Rachel Keller now Mike Fronapfel and/or Samantha Blymyer** 6/02/21

NOISE MONITOR COMMITTEE

1. 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** 08/04/21
2. Provide future in depth look at capabilities of the noise monitoring software. **Noise Monitor Committee** 12/01/21
3. Consider using 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 as appropriate. 05/05/21

WORK PLAN COMMITTEE

1. Continue work on CACNR Orientation materials for placement on CACNR website. **Work Plan and Community Outreach Committees 06/02/21**
2. Review maps to be used in Orientation materials, to provide more detail as appropriate **WP/Staff 11/03/21**
3. Consider possible need for 'outside' assistance in getting the orientation material on the website **WP and Community Outreach Committees 11/03/21**

OTHER

1. Follow-up possibly making the Good Neighbor Procedure an official procedure. **Liam Clark 05/05/21**
2. Determine feasibility and cost of adding a permanent monitor to the system. **10/06/21**
3. Ask control tower to attend the meeting under development and referenced in #7 above *(CACNR to determine what, if any, additional information about noise and its effect on the public 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.)*
04/07/21
4. 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**
5. Could NAG be formally incorporated into flight school best practices – consult with flight schools.
02/03/21
6. Include the impacts of flight noise in immediate proximity to the airport. **04/07 21** (From the minutes, during discussion of the training areas – “Comment was made that In addition to working with the flight schools and attention to the training boxes, the impacts of flight noise in the immediate proximity to the airport should not be lost, and perhaps should be included in the discussions. It was also noted the FAA’s APA control tower should be asked to participate in any such meeting as well.”)

ACPAA BOARD MEETING NOTES – FEBRUARY 10,2022

Roert Doubek, ACPAA Treasurer

BUSINESS AGENDA:

A Pre-Concept Plan was presented for ONEflight International headquarters including corporate offices, a large hangar, and elevated restaurant on Sunborne lease parcels. The design envisioned is very unique and would likely be different from any other on the airport. As a result, it was voted to continue discussions with staff on design and costs before money is spent on design and engineering for the project.

A pre-concept plan was also proposed for Tac Air ramp expansion and office/hangar. The new structure would sit partially on TAC's leasehold and partially on existing Airport property. The plan would interfere with the phase 2 extension of the Administration building and require an alternate design to our building. The Board voted no objection to the concept plan provided that TAC Air comes back with a lease amendment and full concept plan submittals.

Hotel Update: On October 14,2021 the Board conditionally approved a lease agreement with Messrs, Davendra Patel and Binoy Patel to operate a Four Points by Sheraton/Marriott hotel. The Patels found a qualified buyer/managing partner, Mr. Nupen Patel, to operate a Four Points Hotel . Mr.Nupen Patel has provided verified Financial information and is well qualified to be a business and managing partner meeting Marriott standards and qualifications. Per the Board's direction in October 2021, the staff provided the buyers and the court appointed receiver, Mr.Byron Chapman the go-ahead to close the sale which was to occur on February 2,2022. At this time, the sale has not yet closed, apparently the result of the partnership agreement not having been completed according to the Receiver. Therefore, staff recommends conditional ratification of the approval to buy the leasehold and enter into a lease agreement with the Patels and the Airport Authority pending counsel and staff review of all final documents.

Robert Olislagers, Senior Advisor

Rjd/2,27,2022

CACNR/ACPAA 2022 MEETING SCHEDULES

CACNR REPRESENTATIVES TO 2022 MEETINGS OF THE ARAPAHOE COUNTY PUBLIC AIRPORT AUTHORITY

ACPAA meets at 3:00 p.m., 7565 South Peoria Street, Englewood, CO 80112

<u>CACNR MEETINGS</u>	<u>ACPAA MEETINGS</u>	<u>CACNR REPRESENTATIVE</u>	<u>REPORT DUE DATE</u> (To centennialairport.com)
January 05	ACPAA not meeting		include with Feb CACNR report
February 02	February 10	Brad Pierce	February 04 (see above)
March 02	March 10	Candace Moon	March 04
April 06	April 14		April 08
May 04	May 12		May 06
June 01	June 16 (note 3 rd Thursday)		June 10
July 06	ACPAA not meeting		include with Aug CACNR report
August 03	August 11		August 05 (see above)
September 07	September 08		May Not Be Time to Write
October 05	October 13		October 07
November 02	November 10		November 04
December 07	December 08		May Not Be Time to Write



Centennial Airport Community Noise Roundtable (CACNR)

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

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. 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 meetings 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.