



## CENTENNIAL AIRPORT COMMUNITY NOISE ROUNDTABLE MINUTES

Approved March 5, 2025

February 5, 2025

VISION – QUIETER SKIES FOR OUR COMMUNITIES

MISSION – CACNR WILL BRING TOGETHER AIRPORT, COMMUNITY, FAA, AND AVIATION INDUSTRY REPRESENTATIVES TO COLLABORATIVELY IDENTIFY AND DISCUSS NOISE ISSUES AT CENTENNIAL AIRPORT AND RECOMMEND COURSES OF ACTION THAT COULD REDUCE NOISE OVER AFFECTED COMMUNITIES.

**Chair:** Chis Eubanks **Vice Chair:** Pam Thompson **Treasurer:** Andy Jones **Secretary:** Alison Biggs

1. **CALL TO ORDER, ROLL CALL, and QUORUM:** The meeting was called to order at 6:30 p.m. by Chair Chris Eubanks. The following were in attendance, and a quorum was present:

Arapahoe County:	Sreenivasan Alakappan	Foxfield:	Pam Thompson
Douglas County:	Dan Avery	Highlands Ranch:	Andy Jones
Douglas County:	Alison Biggs	Lone Tree:	Mike Anderson
Aurora:	Brad Pierce	ACPAA:	Mike Fronapfel
Castle Pines:	Chris Eubanks	CABA:	Don Kuskie
Castle Rock:	Sandy Vossler (virtual)	Wings Over/Rockies:	Bill Wasmund
Centennial:	Don Sheehan		

Also present: Castle Pines Alternate Ron Cole; ACPAA Alternate Zach Gabehart; and ACPAA Staff Lauren Wiarda, and Matt Frenette.

Absent:	Arapahoe County Rhonda Fields/Leroy Evans	Parker Ashley Chasez/Bryce Matthews
	Cherry Hills Village Robert Eber/Randy Weil	AOPA John Hirshman/Brad Schuster
	Greenwood Village: Donna Johnston/John Jackson	CDOT Aeronautics Division Todd Green/Vacant.

Prior to the beginning of the meeting, a group photo was taken. There was also a Moment of Silence offered for the victims of the recent plane crash in Washington, D.C.

2. **CONSENT AGENDA:** The Consent Agenda included the Draft CACNR Minutes from December 4, 2024 (no meeting in November, 2024 due to inclement weather); a Treasurer's Report from January 31, 2025, showing a balance of \$37,753.97; Noise Reports from November and December 2024; and a Portable Noise Report prepared January 13, 2025.

On the request of Pam Thompson, the noise reports were removed from the Consent Agenda.

On the motion of Andy Jones, duly seconded, the Consent Agenda, minus the noise reports, was approved.

3. **ITEMS REMOVED FROM THE CONSENT AGENDA:** The November Noise Report from 2024, the Noise Report from December/Year End 2024, and the Portable Noise Monitor Report (Morrison) were available for further evaluation.

**The November 2024 Noise Report** included the following information:

<b>November Local Operations:</b>	<b>11,378</b>	<b>November Total Operations:</b>	<b>23,460</b>
<b>Year to Date Local Operations:</b>	<b>161,611</b>	<b>Year to Date Total Operations:</b>	<b>315,529</b>

**23,460 Total Operations in November resulted in 386 complaints from 40 households.**

### November Noise Events:

<b>November Total:</b>		<b>November 60 – 69 db:</b>		<b>November 70 – 79 db:</b>		<b>November 80 – 89 db:</b>	
Golf Course	8,224	Meridian	6,802	Golf Course	2,561	Golf Course	146
Meridian	7,916	Golf Course	5,515	Meridian	1,074	Airport East	139
Parker	2,696	Parker	2,546	State Park	569	Meridian	38
State Park	2,233	State Park	1,652	Airport East	320	Portable Station	11
Portable Station	1,353	Grandview Estates	1,140	Portable Station	226	State Park	11
Grandview Estates	1,293	Portable Station	1,113	Parker	149	Grandview Estates	5
Airport East	940	Greenwood Village	644	Grandview Estates	148	Greenwood Village	2
Greenwood Village	729	Castle Rock	630	Greenwood Village	83	Castle Rock	1
Castle Rock	667	Airport East	472	Castle Rock	36	Hunters Hill	1
Lone Tree	389	Lone Tree	366	Hunters Hill	31	Lone Tree	1
Hunters Hill	382	Hunters Hill	350	Lone Tree	22	Parker	1
Sagebrush Park	147	Sagebrush Park	137	Sagebrush Park	9	Sagebrush Park	1
Castle Pines	120	Castle Pines	114	Castle Pines	6	Castle Pines	0

**November Noise events in the 90+ decibel range:** Airport East – 9 Portable Station – 3 Golf Course & Meridian – 2 each State Park – 1

<b>November Noise Complaints and</b>		<b>Numbers of Households:</b>		<b>YTD Complaints and</b>		<b>Number of Households:</b>	
(386)		(40)		(11,445)		(297)	
Unincorporated Arapahoe County	182 (47%)	UAC	14 (35%)	UAC	5,465	UAC	101
Other	77 (20%)	Other	7 (2%)	GV	2,541	GV	65
Greenwood Village	48 (12%)	UDC	5 (1.2%)	Other	1,223	Other	35
UDC	45 (12%)	Greenwood Village	4 (1%)	Centennial	989	UDC	26
Denver	14 (4%)	Centennial	3 (.3%)	UDC	525	Lone Tree	18
Highlands Ranch	8 (2%)	Highlands Ranch	2	Denver	287	Centennial	13
Centennial	6	Parker	2	Castle Pines	177	Highlands Ranch	9
Parker	3	Aurora	1	Castle Rock	77	Parker	9
Aurora	2	Castle Pines	1	Highlands Ranch	52	Aurora	7
Castle Pines	1	Denver	1	Aurora	40	Castle Rock	5
Castle Rock	0	Castle Rock	0	Parker	35	Denver	5
Cherry Hills Village	0	Cherry Hills Village	0	Lone Tree	34	Castle Pines	4
Lone Tree	0	Lone Tree	0	CHV	0	CHV	0

**Year to Date, the top five households complaining were:**

Household #1 1,569	Unincorporated Arapahoe County	Household #4 798	Greenwood Village
Household #2 1,001	Other I(Elizabeth)	Household #5 784	Unincorporated Arapahoe County
Household #3 957	Centennial		

**In November, 52 responses were requested from 386 noise complaints**, with 50 of those requests made by email and 2 made by telephone.

**In November, 302 complaints** were made about **daytime flights** (7:00 a.m. – 9:59 p.m.) – 78%.  
**84 complaints** were made about **nighttime flights** (10:00 p.m. – 6:59 a.m.) – 22%.

**In November, props** accounted for **89% of the complaints by aircraft type**; **jets** accounted for **10% of the complaints**, and **helicopters** caused **1%**.

**In November, training** was responsible for **65% of the complaints**, **departures** were responsible for **21% of the complaints**, and **arrivals** were responsible for **114% of the complaints**.

**The November Complaint Map, a Year to Date Complaint Map, and a November Radar Track Density Map** were provided.

**The December/Year to Date 2024 Noise Report** included the following information:

<b>December Local Operations:</b>	<b>11,965</b>	<b>December Total Operations:</b>	<b>26,019</b>
<b>Year to Date Local Operations:</b>	<b>173,576</b>	<b>Year to Date Total Operations:</b>	<b>341,548</b>

**26,019 Total Operations in December resulted in 469 complaints from 44 households.**

**December Noise Events:**

<b>December Total:</b>		<b>December 60 – 69 db:</b>		<b>December 70 – 79 db:</b>		<b>October 80 – 89 db:</b>	
Golf Course	8,743	Meridian	6,740	Golf Course	2,194	Golf Course	136
Meridian	8,209	Golf Course	6,413	Meridian	1,419	Meridian	49
Parker	3,166	Parker	2,939	State Park	664	Portable Station	12
State Park	2,523	State Park	1,855	Parker	225	State Park	4
Grandview Estates	1,456	Grandview Estates	1,303	Portable Station	215	Grandview Estates	3
Portable Station	1,253	Portable Station	1,024	Grandview Estates	150	Hunters Hill	2
Castle Rock	615	Castle Rock	577	Greenwood Village	50	Parker	2
Greenwood Village	602	Greenwood Village	552	Castle Rock	37	Castle Rock	1
Hunters Hill	374	Hunters Hill	338	Hunters Hill	34	Airport East	0
Castle Pines	162	Castle Pines	152	Sagebrush Park	16	Castle Pines	0
Sagebrush Park	123	Sagebrush Park	107	Castle Pines	10	Greenwood Village	0
Airport East	0	Airport East	0	Airport East	0	Lone Tree	0
Lone Tree	0	Lone Tree	0	Lone Tree	0	Sagebrush Park	0

**December Noise events in the 90+ decibel range:** Portable Station – 2      Meridian – 1

<b>December Noise Complaints and</b>		<b>Numbers of Households:</b>		<b>YTD Complaints and</b>		<b>Number of Households:</b>	
(469)		(44)		(11,914)		(305)	
Unincorporated Douglas County	157 (33%)	UAC	11 (25%)	UAC	5,610	UAC	102
Unincorporated Arapahoe County	145 (31%)	Other	7 (16%)	GV	2,597	GV	65
Greenwood Village	53 (12%)	UDC	7 (16%)	Other	1,265	Other	37
Other	42 (9%)	Greenwood Village	6 (14%)	Centennial	1,021	UDC	28
Centennial	32 (7%)	Centennial	4 (9%)	UDC	683	Lone Tree	19
Denver	12	Castle Rock	2	Denver	299	Centennial	14
Castle Rock	7	Highlands Ranch	2	Castle Pines	177	Parker	10
Aurora	6	Parker	2	Castle Rock	83	Highlands Ranch	9
Parker	5	Aurora	1	Highlands Ranch	56	Aurora	7
Highlands Ranch	4	Denver	1	Aurora	46	Castle Rock	5
Lone Tree	3	Lone Tree	1	Parker	40	Denver	5
Castle Pines	0	Castle Pines	0	Lone Tree	37	Castle Pines	4
Cherry Hills Village	0	Cherry Hills Village	0	CHV	0	CHV	0

Data in the December 2024 noise report showed there had been more complaints from fewer operations that month

**Year to Date, the top five households complaining were:**

Household #1	1,675	Unincorporated Arapahoe County	Household #4	921	Greenwood Village
Household #2	1,036	Other (Elizabeth)	Household #5	785	Unincorporated Arapahoe County
Household #3	984	Centennial			

In December, 73 responses were requested from 469 noise complaints, with 67 of those requests made by email and 6 made by telephone.

In December, 293 complaints were made about daytime flights (7:00 a.m. – 9:59 p.m.) – 62%.  
176 complaints were made about nighttime flights (10:00 p.m. – 6:59 a.m.) – 38%.

In December, props accounted for 89% of the complaints by aircraft type; jets accounted for 9% of the complaints, and helicopters caused 2%.

In December, training was responsible for 46% of the complaints, departures were responsible for 27% of the complaints, and arrivals were responsible for 27% of the complaints.

The December Complaint Map, a Year-to-Date Complaint Map and a December Radar Track Density Map were provided.

The Portable Noise Monitor Report included the following information

**Neighborhood Noise Report**

Location of Noise Monitor: 15.75 West-Northwest of Centennial Airport, Morrison, CO

Dates of Report: November 13th, 2024 – December 13, 2024

Report Prepared January 13, 2025

**Noise Events:**

Centennial Airport Aircraft Noise	66	Total Aircraft Noise Events	151
Non-Centennial Airport Aircraft Noise	85	Total Community Noise Events	148

<u>Centennial Airport Aircraft Noise Events</u>	<u>Non-Centennial Airport Aircraft Noise Events</u>	<u>Community Noise Events</u>	
6ed 46.890-69 dB	176	328	
70-79 dB	12	10	
80-89 dB	0	0	
90+ dB	0	0	
		491	
		35	
		24	
		0	
<b>Aircraft DNL</b>	<b>37.3 dB</b>	<b>Total DNL</b>	<b>49.3 dB</b>
<b>Community DNL</b>	<b>48.7 dB</b>	<b>Average Aircraft LMax</b>	<b>57.3 dB</b>

Centennial Airport Associated Flight Path within 1 mile of Noise Monitor	Propeller	505	
Arrival	56	Jet	92
Departure	186	Helicopter	1
Training	126	Unknown	161
Total	368	Total	759

**Aircraft DNL:** The 24-hour average sound level of aircraft with a 10dB penalty for nighttime noise events. The monitor showed 25.74

**Community DNL:** The 24-hour average sound level of the community with a 10 dB penalty for nighttime noise events. The monitor showed 46.77

**Total DNL:** The 24-hour average sound level with a 10dB penalty for nighttime noise events. The monitor showed 46.89

**Average Aircraft LMAX (db):** The peak noise level for a single aircraft noise event. The monitor showed 63.97

**NOISE EVENTS:**

Centennial Aircraft Events at Portable Monitor – 66

Non-Centennial Aircraft Events at Portable Monitor – 85

Total Aircraft Events at Portable Monitor – 151

Total Community Events at Portable Monitor – 148

Aircraft whose operations were within 1 nautical mile for the portable monitor were from Centennial; Rocky Mountain; Buckley; Colorado Springs; Denver; and Pueblo.

<u>Airport</u>	<u>Arrival</u>	<u>Departure</u>	<u>Training</u>	<u>Total</u>
Centennial	13	47	36	96
Rocky Mountain	29	16	60	105
Buckley	2	0	1	3
Colorado Springs	6	6	1	13
Denver	0	1	0	1
Pueblo	3	3	0	6

In the 60-69 dB range, there were 51 Centennial Airport aircraft noise events v. 61 non-Centennial aircraft noise events.

In the 70-79 dB range, there were 2 Centennial Airport aircraft noise events v. 7 non-Centennial aircraft noise events.

There were none in either category for the 80-89 or 90+ ranges.

In the 60-69 dB range, there were 51 Centennial Airport aircraft noise events v. 109 community noise events.  
In the 70-79 dB range, there were 2 Centennial Airport aircraft noise events v. 20 community noise events.  
In the 80-89 dB range, there were 0 Centennial Airport aircraft noise events v. 1 community noise event.  
There were none in either category in the 90+dB range.

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Overall, question was raised if CACNR does an adequate job of getting information about how to complain about aircraft noise to the public. Suggestion was made that Representatives need to provide more focus when they meet in their areas, assure information is included in minutes of such meetings, etc. Contact/reporting information should be placed on various websites home pages as well.

Question was asked about the numbers of complaints from one year to the next, and if there was a way to tell if the complaining households were the same or different each year, and from the same or different neighborhoods. Gabehart indicated he would need to look further into that.

Mike Fronapfel noted that doing a Part 150 study had always generated enhanced community interest due to the additional meetings being held and information being disseminated.

Question was asked about the current placement of the portable noise monitors – one was not currently deployed and the other remained in Greenwood Village. Data collected from the monitor that had been in the Morrison area showed aircraft from Rocky Mountain overall slightly outnumbered those from Centennial. Question was asked if Rocky Mountain aircraft were using 'our' training boxes – it was noted the boxes do not belong to anyone, but perhaps Centennial could do more to help those who use them understand all the implications of their use for the public who lives underneath them.

#### **4. PUBLIC COMMENT:**

##### **A. RECEIVED BY CACNR –**

1. Concern had been expressed about the lack of attendance from some of the Member's Representatives, and all were reminded there is an attendance requirement. March brings the CACNR attendance year to a close, so attendance would be looked at at that time.

2. Emails continued from Brenda Dyche, usually accompanied by screen shots of questionable flights over her house. Her concerns include such things as low flying planes, stall outs, and pilots doing loops. She is contacting a variety of appropriate personages, and question was asked how can CACNR help her. A portable had been placed there at the end of last year, with a report provided to CACNR in December. Suggestion was made to explore creating a study group similar to the one addressing problems in Greenwood Village. This would again take the cooperation of the FAA and likely assistance from some of our federally elected officials.

Mike Fronapfel indicated the airport will be getting the ability to do more comprehensive assessments of the activity involving the training boxes, and once that information is available, it might be useful in pursuing another study group, or perhaps expanding the focus of the current group.

Points made in an email received following the December CACNR meeting were summarized. It was noted the 3 Towers training box and Elizabeth area had been designated by the FAA as densely populated, so aircraft must remain 1,000 above the ground. The FAA does not have a definition of 'densely populated' or 'congested'; this determination is done on a case-by-case basis. A link for further information: <https://www.faa.gov/media/14411>

The requirement that students doing local solos must remain within 25 miles of the airport limits them to the 3 Towers, Elizabeth, and Fairgrounds training boxes. It was suggested students might receive endorsement from their flight instructors to allow them to make repeated local flights greater than 25 miles from the airport after receiving adequate training.

A strong point contained in the email related to the responsibility of local governments to be more responsible when it comes to land use in their jurisdictions. Examples around Centennial Airport were given, where the FAA and the airport had warned against proposed development, which warnings had been ignored by the jurisdictions. Theoretically, city councils are supposed to protect their citizens, but allowing such development tends to send the message that tax revenue and the wants of developers take precedence over the citizens. Those who eventually live in such areas should be informed and warned early about the potential noise and safety concerns in those locations. The areas should not necessarily be granted noise sensitive area status, as the jurisdictions knew what they were doing when that zoning was approved, and they should not be "rewarded" for going against the warnings they had been given.

Comment was made that the FAA would likely not allow approved students to make repeated local flights greater than 25 miles from the airport (to utilize additional flight boxes), as flying into differing air spaces and cross country has considerable merit and should not be diluted. This would need to be explored further if there was any interest.

##### **B. MEETING ATTENDEES /VIRTUAL ATTENDEES –**

Randy Johnson was present representing Louviers. He noted he had heard 505 propeller planes in December, and 452 in January. 29 complaints had been filed in December, and 23 in January. Some aircraft had flown southwest from Centennial and then turned right over Louviers. This had been reported to Zach Gabehart, and the behavior had stopped. Many flights seemed to still be avoiding is area and he thanked them for that.

It was noted the Pilots' Association does not establish the training boxes – those are determined by the flight schools and recognized by the pilot group. They were originally established for safety purposes, for collision avoidance. The altitude here only allows 3,000 feet to 'play with,' and aircraft are not allowed to fly below 1,000 feet above the ground.

Brenda Dyché noted the FAA will not respond to what she has sent. She does not want to keep hearing the same things, but does want something done about the constant noise over the homes in her area. It is impossible to work from home and try to conduct business calls when the planes are so loud and constant. She wants the close-in training boxes closed in favor of establishing ones further to the east where no one lives. The FAA's 25 mile regulation for solo training needs to be changed so that can take place. Her area gets as much traffic as Greenwood Village, and she would like to have a study group's attention in a similar fashion.

5. **CACNR STUDY GROUP COMMITTEE:** Brad Pierce, Chris Eubanks, Mike Fronapfel

The airport is obtaining new software which will help the Study Group create a 'dashboard'. One problem has been an inability to identify the good players from the bad ones because there has been no way to obtain the tail numbers of involved aircraft. Work is being done to get those numbers unmasked for airport use. Another letter had been sent to Grady Stone FAA Regional Administrator, asking his assistance in getting the tail numbers unmasked. When that is accomplished, the dashboard created by airport's new software will be very useful to this project.

6. **PART 150 STUDY UPDATE/PROGRESS:** The FAA had approved the operations forecast, allowing the work with the noise contours to be done, and then a date for a public meeting established. The date and other information is anticipated and will be shared soon.

7. **EXECUTIVE COMMITTEE:**

A. UC DAVIS NOISE SYMPOSIUM MARCH 10-12 – Chris Eubanks and Bill Wasmund will attend for CACNR.

B. ACPAA MEETINGS – Pam Thompson agreed to represent CACNR at all ACPAA meetings for the rest of the year, and was thanked for that action. She asked anyone who wished to have something particular shared with ACPAA to let her know.

C. SEPTEMBER 2023 RETREAT PRIORITIES – no action taken.

D. 2025 BUDGET – Andy Jones: Invoice and Budget were emailed. Five jurisdictions had not as yet responded.

E. 2025 ACNR/ACPAA MEETING SCHEDULE – in packet.

F. CACNR ATTENDANCE THROUGH December 2024 – in packet.

8. **REPRESENTATIVES' COMMENTS:** None

9. **OTHER REGULAR REPORTS:**

A. AIRPORT DIRECTOR'S REPORT – The following verbal report was provided by Mike Fronapfel:

For 2024, Centennial had 341,548 total operations, making it the 3<sup>rd</sup> busiest general aviation airport in the country, and the 23<sup>rd</sup> busiest airport overall. Although Avgas sales were down from the prior year, Centennial was still the 2<sup>nd</sup> biggest user of unleaded Avgas in the country, and will continue encouraging its use.

Arapahoe County Commissioner Rhonda Fields has become the new Representative to CACNR. Her predecessor, Leslie Summey will now be on the Airport Board and has also been appointed to the Colorado Aeronautics Board as the eastern plains airport representative. The Colorado Airport Operators Association Winter Conference had been held, with legislators in attendance for discussions. There were 2 new community members on the Colorado Aeronautics Board from the Superior area.

The FAA is having a comment period, ending March 21<sup>st</sup> on new rule making for Part 141 Flight Training. Information would be provided, and CACNR was encouraged to provide comments. There may need to be more stress placed on the involvement of communities with these changes.

The State Division of Aeronautics will be releasing in the latest economic impact information for Colorado Airports in the next few weeks, based on 2023 activity levels. The Part 150 Forecast had been approved by the FAA 2/3/25. The 1200Aero antenna was installed and was collecting data!

It was anticipated the existing federal AIP and BIL grants would be unaffected by Trump executive orders. Future grants could be delayed because of the new criteria they are requiring. The Tower refurbishment should begin this year, Peoria street repaving and new street signage will be installed. The Four Points at Sheraton Hotel opening date is still not known, but progress on the rehabilitation has continued and it is expected they will be able to reopen in the next couple of months.

Runway 5K will be held on June 7th, everyone invited to participate. Last year there were 1,000 participants and \$65K was raised for the Centennial Airport Foundation. Donations go to the Tuskegee Airmen, and local aviation programs and the high school and college levels. Three scholarships have been established, one for airport management in memory of former airport director Robert Olislagers, a scholarship for pilots and another for aircraft mechanics. The scholarships are for \$10K each.

Comment was made about the tragedy in Washington D.C. and how action on safety changes the NTSB makes following such incidents trickles down to the local level. Suggestion was made this might be a good topic for CACNR education. There have been at least three incidents in the Centennial area which could be looked at to see final reports.

10. **OLD BUSINESS** – None

11. **NEW BUSINESS** – None

12. **PUBLIC COMMENT**: Completed.

13. **ADDITIONAL REPRESENTATIVES' COMMENTS**: Alison Biggs requested everyone reply to an email she would be sending, to assure all had her email address in their contacts list. She asked for volunteers to update the CACNR Work Program for the coming two years, as called for in the bylaws.

14. **RECOMMENDATIONS TO ACPAA & OTHERS TO POTENTIALLY REDUCE NOISE OVER AFFECTED COMMUNITIES**: None

15. **NEXT MEETINGS**:

A, CACNR – March 5, 2025 6:30 p.m. 7565 South Peoria Street, Englewood, CO 80112, Pam Thompson for CACNR  
April 2, 2025 6:30 p.m. 7565 South Peoria Street, Englewood, CO 80112, Pam Thompson for CACNR  
May 7, 2025 6:30 p.m. 7565 South Peoria Street, Englewood, CO 80112, Pam Thompson for CACNR  
June 4, 2025 6:30 p.m. 7565 South Peoria Street, Englewood, CO 80112, Pam Thompson for CACNR  
July 2, 2025 **NO JULY CACNR MEETING**  
August 6, 2025 6:30 p.m. 7565 South Peoria Street, Englewood, CO 80112,

B. ACPAA – February 13, 2025 3:00 p.m. 7565 South Peoria Street, Englewood, CO 80112, Pam Thompson for CACNR  
March 13, 2025 3:00 p.m. 7565 South Peoria Street, Englewood, CO 80112, Pam Thompson for CACNR  
April 10, 2025 3:00 p.m. 7565 South Peoria Street, Englewood, CO 80112, Pam Thompson for CACNR  
May 8, 2025 3:00 p.m. 7565 South Peoria Street, Englewood, CO 80112, Pam Thompson for CACNR  
June 12, 2025 3:00 p.m. 7565 South Peoria Street, Englewood, CO 80112, Pam Thompson for CACNR  
**July 10, 2025 NO JULY ACPAA MEETING**  
August 14, 2025 3:00 p.m. 7565 South Peoria Street, Englewood, CO 80112, Pam Thompson for CACNR

C. PART 150 MEETINGS – When and What Meetings, When Available from APA Staff

16. **ADJOURNMENT**: The meeting was adjourned at 8:20 p.m.

Alison Biggs, Secretary