

August 1, 2018

AGENDA

6:30 p.m. – 8:30 p.m.

Wright Brothers Room, Centennial Airport, 7800 S Peoria Street, Englewood, CO

Chair: Brad Pierce **Vice Chair:** Katy Brown **Treasurer:** Jamie Hartig **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: Kathleen Conti/Thad Bagnato

Jim Dawkins /Vacant

Douglas County: Vacant/Jamie Hartig

Alison Biggs/Mike Acree

Aurora: Brad Pierce/Lia Koiv-Haus

Castle Pines: Melissa Coudeyras/Ben Price

Castle Rock: Brett Ford/Sandy Vossler

Centennial: Candace Moon/Andrea Suhaka

Cherry Hills Village: Katy Brown/Randy Weil

Foxfield: Dave Goddard/Vacant

Greenwood Village: Tom Dougherty/Karen Blilie

Lone Tree: Mike Anderson/Jennifer Drybread

Parker: Amy Holland/Ryan McGee

ACPAA: Robert Olislagers/Michael Fronapfel

AOPA: Robert Doubek/John Hirshman

CABA: Don Kuskie/Mike Straka

CDOT Aeronautics Div: Todd Green/Vacant

FAA APA Control Tower: Diana Hanley/Ron Curry

FAA District Office: Linda Bruce/Kandace Krull

FAA TRACON: Steve Martin/Bill Dunn

2. APPROVAL OF AGENDA:

CONFERENCE CALL WITH EMILY TRANTER, NATIONAL COORDINATOR, NATIONAL ORGANIZATION TO INSURE A SOUND-CONTROLLED ENVIRONMENT (N.O.I.S.E.)

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

4. CONSENT AGENDA:

A. DRAFT MINUTES, July 11, 2017 – Alison Biggs, Secretary

B. TREASURER'S REPORT – Jamie Hartig, Treasurer

5. ITEMS REMOVED FROM CONSENT AGENDA

6. COMMITTEE REPORTS:

A. COMMUNITY OUTREACH – Melissa Coudeyras

B. FLY QUIET – Don Kuskie Chair

C. NOISE MONITORS – Bette Todd

1. Noise Report – Dylan Heberlein

D. WORK PLAN – Alison Biggs, Chair

1. Updating Work Program

E. STUDY GROUP – Brad Pierce

7. FAA REPORTS:

A. DISTRICT OFFICE – Linda Bruce

B. CENTENNIAL AIRPORT AIR TRAFFIC CONTROL TOWER – Diana Hanley

C. TRACON – Steve Martin

8. OTHER REGULAR REPORTS:

A. ARAPAHOE COUNTY PUBLIC AIRPORT AUTHORITY – Robert Doubek

B. AIRPORT DIRECTOR'S REPORT – Robert Olislagers

1. Airport Activity

2. Legislative

3. Other

C. METROPLEX - (Resource - <http://www.faa.gov/nextgen/communityengagement>.)

D. NEXTGEN ADVISORY COMMITTEE (NAC) – Brad Pierce

E. N.O.I.S.E. – Brad Pierce

9. OLD BUSINESS:

A. CACNR MEETING SCHEDULE AND REPRESENTATION TO 2018 ACPAA MEETINGS

B. CONGRESSIONAL QUIET SKIES CAUCUS – Brad Pierce re follow-up with Ken Buck

10. NEW BUSINESS:

A. INFORMATION SHARING

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

12. NEXT MEETINGS:

A. **CACNR** – Sep 05, 2018 6:30 p.m. ?? location
Oct 03, 2018 6:30 p.m., ?? location
Nov 07, 2018 6:30 p.m. ?? location
Dec 05, 2018 6:30 p.m. ?? location

B. **ACPAA** – Aug 09, 2018 3:00 p.m. Wright Brothers Room, Centennial Airport, 7800 S. Peoria Street, Englewood, CO
(Brad Pierce representing CACNR)
Sep 13, 2018 3:00 p.m., Wright Brothers Room, Centennial Airport, 7800 S Peoria Street, Englewood, CO
(?? representing CACNR)
Oct 11, 2018 3:00 p.m., Wright Brothers Room, Centennial Airport, 7800 S Peoria Street, Englewood, CO
(?? representing CACNR)
Nov 08, 2018 3:00 p.m., Wright Brothers Room, Centennial Airport, 7800 S Peoria Street, Englewood, CO
(?? representing CACNR)
Dec 13, 2018 3:00 p.m., Wright Brothers Room, Centennial Airport, 7800 S Peoria Street, Englewood, CO
(?? representing CACNR)

13. ADJOURN

MINUTES
July 11, 2018

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:** Katy Brown **Treasurer:** Jamie Hartig **Secretary:** Alison Biggs

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

The following were in attendance:

Douglas County:	Jamie Hartig	Cherry Hills Village:	Randy Weil
Douglas County:	Alison Biggs	Greenwood Village:	Tom Dougherty
Aurora:	Brad Pierce	Lone Tree:	Mike Anderson
Castle Pines:	Melissa Coudeyras	ACPAA:	Mike Fronapfel
Castle Rock:	Sandy Vossler	AOPA:	Robert Doubek

Also, in attendance were Aurora Alternate Liia Koiv-Haus and ACPAA Staff Dylan Heberlein.

Those absent were:

Arapahoe County:	Kathleen Conti/Thad Bagnato	CABA:	Don Kuskie/Mike Straka
Arapahoe County:	Jim Dawkins/vacant	CDOT Aeronautics Division:	Todd Green/Vacant
Centennial:	Candace Moon/Andrea Suhaka	APA Control Tower:	Diana Hanley/Ron Curry
Foxfield:	Dave Goddard/Vacant	FAA District Office:	Linda Bruce/Kandace Krull
Parker:	Amy Holland/Ryan McGee	FAA TRACON:	Steve Martin/Bill Dunn

2. **APPROVAL OF THE AGENDA:** Emily Tranter had been scheduled for a conference call with CACNR but was unable to make the call as planned. On the motion of Jamie Hartig, the agenda was amended to delete the conference call, and to approve the agenda as amended. Motion was seconded and passed. The conference call will be rescheduled for August.

3. **PUBLIC COMMENT:** Communications had been sent to many on CACNR regarding the *Wall Street Journal* article of July 5, 2018, entitled "Affluent – and Angry – Homeowners Raise Ruckus Over Roar of Overhead Planes" (CACNR agenda item 10.A.). Brad Pierce had communicated with the sender regarding an error the sender had made in the number of noise complaints stated for Greenwood Village, and a follow-up correction had subsequently been sent.

4. **CONSENT AGENDA:** The Consent Agenda included the June 6, 2018 Draft Minutes, and a Treasurer's Report as of June 1, 2018. Dylan Heberlein indicated he had a comment related to the Treasurer's Report, so that item was removed from the consent agenda. On the motion of Melissa Coudeyras, duly seconded, the Consent Agenda was approved.

5. **ITEMS REMOVED FROM CONSENT AGENDA:** The Treasurer's Report listed above showed a balance of \$6,251.38. Dylan Heberlein reported he had received an inquiry from Lone Tree about the need to include an amount for CACNR in its 2019 budget. The process of getting the jurisdictions to sign onto the MOU was briefly reviewed, and Mike Anderson indicated he would address the topic with the Lone Tree City Council at its next meeting. On the motion of Tom Dougherty, duly seconded, the June 1, 2018 Treasurer's Report was approved.

6. **COMMITTEE REPORTS:**

- A. **COMMUNITY OUTREACH** – Melissa Coudeyras indicated there was nothing new from the committee at this time.

B. **FLY QUIET** – In the absence of Don Kuskie, Mike Fronapfel reported this committee had not met. He did bring a slide showing the revised poster. Changes had included such things as an updated map, dropping the QR code, improving color, and updating depiction of the noise sensitive areas. He noted 20 would be printed, and that the staff had decided to go back to the more expensive original printer who apparently used a special paper, special ink, and coated the posters to last longer without fading. The airport does pay for the posters. It was noted Castle Rock is not shown on the poster. Following some further discussion, Brad Pierce moved to approve the revised poster, with 20 being printed now. The motion was seconded and carried.

Question was asked if CACNR might create a "pledge" related to flying quietly and considerately which flight school instructors could be asked to encourage their students to sign. Although it would be voluntary, it might be a useful consciousness raising tool to get new pilots to think seriously about the impact their flight behaviors have on those on the ground. It was agreed to refer the idea to the Fly Quiet Committee for consideration.

C. **NOISE MONITORS** – This committee had not met. Dylan Heberlein presented the Noise Report for May 2018. In that month, there had been 30,339 operations, up from 25,453 operations in April. Possible reasons for the increase in operations included summer-time, calmer winds, and increased training.

Noise events at each monitor were:

8,944 events at the Golf Course monitor on airport property	1,386 events at the Lone Tree monitor
5,049 events at the Meridian monitor	1,050 events at the Greenwood Village monitor
2,829 events at the Airport East monitor on airport property	977 events at the Castle Rock monitor
2,263 events at the State Park monitor	550 events at the Hunters Hill monitor
1,612 events at the Parker monitor	228 events at the Castle Pines monitor
1,418 events at the Grandview Estates	175 events at the Sagebrush Park monitor

Correlations between noise events at the monitors and noise complaints from the related jurisdictions were not available.

In May 2018, 197 complaints had come from Unincorporated Arapahoe County (38%); 99 from Aurora (19%); 58 from Unincorporated Douglas County (11%); 53 from Centennial (10%); 45 from Greenwood Village (9%); 22 each from Lone Tree and Other (\$%); 12 from Denver (3%); 9 from Cherry Hills Village (2%); and 1 from Highlands Ranch, for a total of 519 complaints.

Households those complaints had come from were: 81 from Unincorporated Arapahoe County; 26 from Greenwood Village; 6 each from Centennial, Lone Tree and Unincorporated Douglas County; 5 each from Denver; 4 from Other; 3 from Aurora; 2 from Cherry Hills Village; and 1 from Highlands Ranch, for a total of 140 households complaining. Of those, there had been responses requested from 28 email complaints and 42 telephone complaints.

Year to date, there had been 3,866 complaints lodged from 210 households.

Of the 519 complaints lodged in May 2018, 420 (80.9%) were daytime complaints, and 99 (19.1%) were nighttime complaints. YTD at the end of May, there had been 3,442 (89%) daytime complaints and 424 (11%) nighttime complaints.

In May, 2018, jets accounted for 56% of the complaints; props accounted for 40% of the complaints; and helicopters were 3%. Departures accounted for 46% of the complaints; arrivals were 36%; and training was 18%. Four complaining households were outside of the map area provided, from Franktown, Castle Rock, and Unincorporated Jefferson County.

The December 2017 Radar Track Density Map was provided. Heberlein noted the map would be updated biannually from now on. Request was made for the map to be “zoomed in” a little, to show more of the side-to-side view, for the next meeting only.

D. **WORK PLAN** – The draft Final Report of the May 17, 2018 retreat had been provided. On behalf of the Work Plan Committee, Alison Biggs moved to approve the report. Appreciation was expressed to Jason Schwartz for his work with the retreat, and in crafting the final report of the event. Motion carried.

A draft of Priority Tasks for use in updating the Work Program had also been provided. Committees were asked to review the draft, make any changes desired, and provide that information for inclusion in the overall draft of the next Work Program. A progress report was requested by July 25, 2018. Members of the Work Plan Committee had volunteered to serve as liaisons/resources for the other committees. There was a brief discussion of possible formats for the next Work Program, with support given for retaining the committee focus in the working document and using a revised format for the annual report.

E. **STUDY GROUP** – Brad Pierce reported the group would be reactivating, getting responses to the attorney’s comments to the individual jurisdictions in anticipation of obtaining sign-on from them. Study Group members will be available to discuss the draft upon request, utilizing the power point presentation previously developed. Request was made for the draft to be provided to everyone, which would be done.

7. FAA REPORTS:

A. **DISTRICT OFFICE** – None

B. **APA AIR TRAFFIC CONTROL TOWER** – None

C. **TRACON** – None

8. OTHER REGULAR MONTHLY REPORTS:

A. **ARAPAHOE COUNTY PUBLIC AIRPORT AUTHORITY** – Robert Doubek, ACPAA Chair, provided the following report: “BOARD MEETING NOTES – JUNE 21, 2018 The audit of ACPAA Financial Statements for the years ending December 31, 2017 and 2018 was presented. BKD, LLP, CPAs performed the audit and issued an unqualified opinion on the two year’s statements.

"The audit is perfectly clean with " No matters reportable " regarding Qualitative Aspects of Significant Accounting Policies and Practices. The Board accepted and approved the Audit which posted on the website.

"A Public Hearing was held on the Application from Jet US, LLC to conduct Aircraft Charter activities under the airport's Minimum Standards for Commercial Aeronautical Activities. The applicant has a fleet of 10 Gulfstream aircraft staged throughout out the U.S. but no aircraft is based here at APA. A motion was made and approved for the Application and the associated 10 year Agreement Under Standards.

"The Centennial Airport Community Noise Roundtable Update and minutes from the CACNR May 2, 2018 meeting was presented by Candace Moon of the City of Centennial.

"The meeting was adjourned for an Executive Session specifically concerning negotiations, legal opinions. advice and consultation related to the Reserve Fund. Rjd/7/8/2018"

Question was asked how many aircraft charter flights Jet US, LLC would be making in and out of Centennial Airport. Response was that, while the head office is here, the 10 aircraft are based elsewhere and would therefore probably would not be using Centennial often. The Gulfstream aircraft, most of which are Stage 4 and are not particularly noisy, accommodate 6-10 passengers. Jet US, LLC is a licensed commercial operator.

B. **AIRPORT DIRECTOR'S REPORT** – Mike Fronapfel reported on the grand opening celebration for the Wings Over the Rockies Boeing Blue Sky Aviation Gallery on July 21 & 22, 2018. Admission fees would be collected "at the door."

C. **METROPLEX** – Mike Fronapfel indicated Robert Olislagers might would have a report for the August CACNR meeting.

D. **NEXTGEN ADVISORY COMMITTEE (NAC)** – Brad Pierce provided information about the most recent NAC meeting, including a roster of NAC membership, the agenda of the June 27, 2018 meeting, and an article from *Aviation Daily* entitled "FedEx President: NextGen Noise Outreach Critical." He noted the interest of the current NAC chair (President & COO of FedEx Corporation) in addressing issues that negatively impact the country's Northeast Corridor (NEC). "Some primary themes for NEC recommendations are deconflicting arrivals into the New York area, improving arrival ad departure throughout, easing congestion points, and addressing community noise."

He also noted this was the first time community members had spoken at the meeting. Two local community groups had been given two-minutes each at the beginning of the meeting. A representative from the Montgomery County Quiet Skies Coalition (a Maryland suburb of Washington, DC heavily impacted by NextGen's performance-based procedures in and out of Reagan National Airport) requested NAC to work "with urgency to address the collateral damage to underlying communities from NextGen implementation."

The representative from the DC Metroplex Baltimore Washington International Community Roundtable indicated the 65dB DNL was established in 1971 and needs to be updated. He noted there was a feeling his group had been formed as a "knee jerk reaction by the FAA in the hopes of diminishing the outrage and litigation evident in other metroplexes..."

Following the two two-minute presentations, there had been no opportunity for any discussion with the NAC. Emily Tranter and Brad Pierce had spoken on behalf of N.O.I.S.E. and volunteered the organization's assistance with the community engagement efforts in the NEC. Tranter will update CACNR on the August conference call.

Pierce indicated a new charter had been adopted by the NAC, which was not notably different from the old one.

Request was made to have the article from *Aviation Daily* placed on the CACNR website, which was agreed to.

E. **N.O.I.S.E.** – The next N.O.I.S.E. meeting to which CACNR sends a representative is November 7, 2018 in Los Angeles. It is held in conjunction with the National League of Cities meeting which Melissa Coudeyras will be attending, so she volunteered to attend the N.O.I.S.E. meeting as well. Brad Pierce will be attending as the President of N.O.I.S.E.

9. OLD BUSINESS:

A. **CACNR 2018 MEETING SCHEDULE AND REPRESENTATION TO ACPAA MEETINGS** – Brad Pierce indicated he would check to see if he could attend in August. Representation would still be needed for September 13, October 11, November 8, and December 13.

B. **CONGRESSIONAL QUIET SKIES CAUCUS** – Nothing new on follow-up to the invitation letter to Congressman Ken Buck. Brad Pierce will continue attempting to accomplish this.

10. NEW BUSINESS: Information Sharing – The Wall Street Journal article of July 5, 2018 , entitled “Affluent – and Angry – Homeowners Raise Ruckus Over Roar of Overhead Planes” was shared. This was the article referenced in the email shared earlier.in the meeting.

Another article, this from the Denver Post of July 11, 2018, entitled “Increased air traffic forcing some to ‘sleep with ear plugs’” was also shared. That article discussed noise problems residents near Rocky Mountain Metropolitan Airport report, primarily caused by a flight school, and flights which land and take off low over homes. Perceived constant noise disturbs residents. The airport reports a 10% - 16% growth every year for the past 5 or six years.

11. PUBLIC COMMENT: None

12. NEXT MEETINGS:

A. **CACNR** – Aug 01, 2018 6:30 p.m., Wright Brothers Room, Centennial Airport, 7800 S. Peoria Street, Englewood, CO
Sep 05, 2018 6:30 p.m. ? Wright Bothers Room, Centennial Airport, 7800 S Peoria Street, Englewood, CO
Oct 03, 2018 6:30 p.m. ? Wright Brothers Room, Centennial Airport, 7800 S Peoria Street, Englewood, CO

B. **ACPAA** – July – no meeting
Aug 09, 2018 3:00 p.m. Wright Brothers Room, Centennial Airport, 7800 S. Peoria Street, Englewood, CO
(?? representing CACNR)
Sep 13, 2018 3:00 p.m. Wright Brothers Room, Centennial Airport, 7800 S Peoria Street, Englewood, CO
(?? representing CACNR)
Oct 11, 2018 3:00 p.m. Wright Brothers Room, Centennial Airport, 7800 S Peoria Street, Englewood, CO
(?? representing CACNR)

13. ADJOURNMENT: The meeting adjourned at 7:52 p.m.

Alison Biggs, Secretary

**Centennial Airport Community Noise Roundtable
Treasurer's Report as of July 30th, 2018**

2018 CACNR Budget	\$10,000.00	
GoDaddy Domain Backorder		\$24.98
B.P. UC Davis Expenses		\$1,535.77
M.C. UC Davis Expenses		\$1,087.87
N.O.I.S.E 2018 Membership		\$1,000.00
A.B. 2018 Retreat Expenses		\$20.00
B.P. 2018 Retreat Expenses		\$80.00
		\$3,748.62
Remainder		<u>\$6,251.38</u>



MONTHLY | **June 2018**

Noise Report



Centennial Airport
Arapahoe County Public Airport Authority

1 TABLE OF CONTENTS

2	Definitions.....	2
3	About APA's Noise Monitoring Program	3
4	About WebTrak™	4
5	Operations Statistics	5
6	Noise Monitor Reports.....	6
7	June 2018 Noise Complaints.....	7
8	Complaint Maps	10
9	Radar Track Density Map	12
10	Notes and Disclaimer	13

1 Definitions

A-weighted Sound Level – A measure of sound level with weighted frequency characteristics that correspond to human subjective response to noise.

Arrival – The act of an aircraft approaching and landing at an airport.

Ambient Noise Level – The level of noise that is all-encompassing within a given environment for which a single source cannot be determined. It is usually a composite of sounds from many and varied sources near to and far from the noise monitor.

Community Noise Event Level (CNEL) – The average sound level over a 24-hour period, with a penalty of 10dB for nighttime hours between 10:00 PM and 7:00 AM.

Day Night Average Sound Level (DNL) – A measure of the average noise level over a 24-hour day. It is the 24-hour, logarithmic (or energy) average, A-weighted sound pressure level with a 10-decibel penalty applied to the nighttime event levels that occur between 10:00 PM and 7:00 AM.

Decibel (dB) – A logarithmic quantity reflecting the ratio of the sound pressure of the source to a reference pressure. This results in a sound pressure level of about 0 dB for the quietest sounds that we can detect and sound pressure levels of about 120 dB for the loudest sounds that can be heard without pain.

Departure – The act of an aircraft taking flight and leaving the airport.

Energy-Averaged Sound Pressure Level (Leq) – The value or level of a steady, non-fluctuating sound that represents the same sound energy as the actual time-varying sound evaluated over the same time period.

Flight Track – The path along the ground followed by an aircraft in flight.

Instrument Flight Rules (IFR) Rules and regulations established by the FAA to govern flight under conditions in which flight by outside visual reference is not safe. IFR flight depends upon flying by reference to instruments, and navigation is accomplished by reference to electronic signals. It is also a term used by pilots and controllers to indicate the type of flight plan an aircraft is flying, such as an IFR or VFR flight plan.

Local Operations – Operations in the local traffic pattern or within sight of the airport; flight in local practice areas within a 20 mile radius; execute simulated instrument approaches or low airport passes.

Maximum Noise Level (L_{max}) – The peak noise level for a single noise event.

Noise Exposure – The cumulative sound energy affecting a person over a specified period of time.

Overflight – Aircraft flight originating and terminating outside the area that transits the airspace without landing.

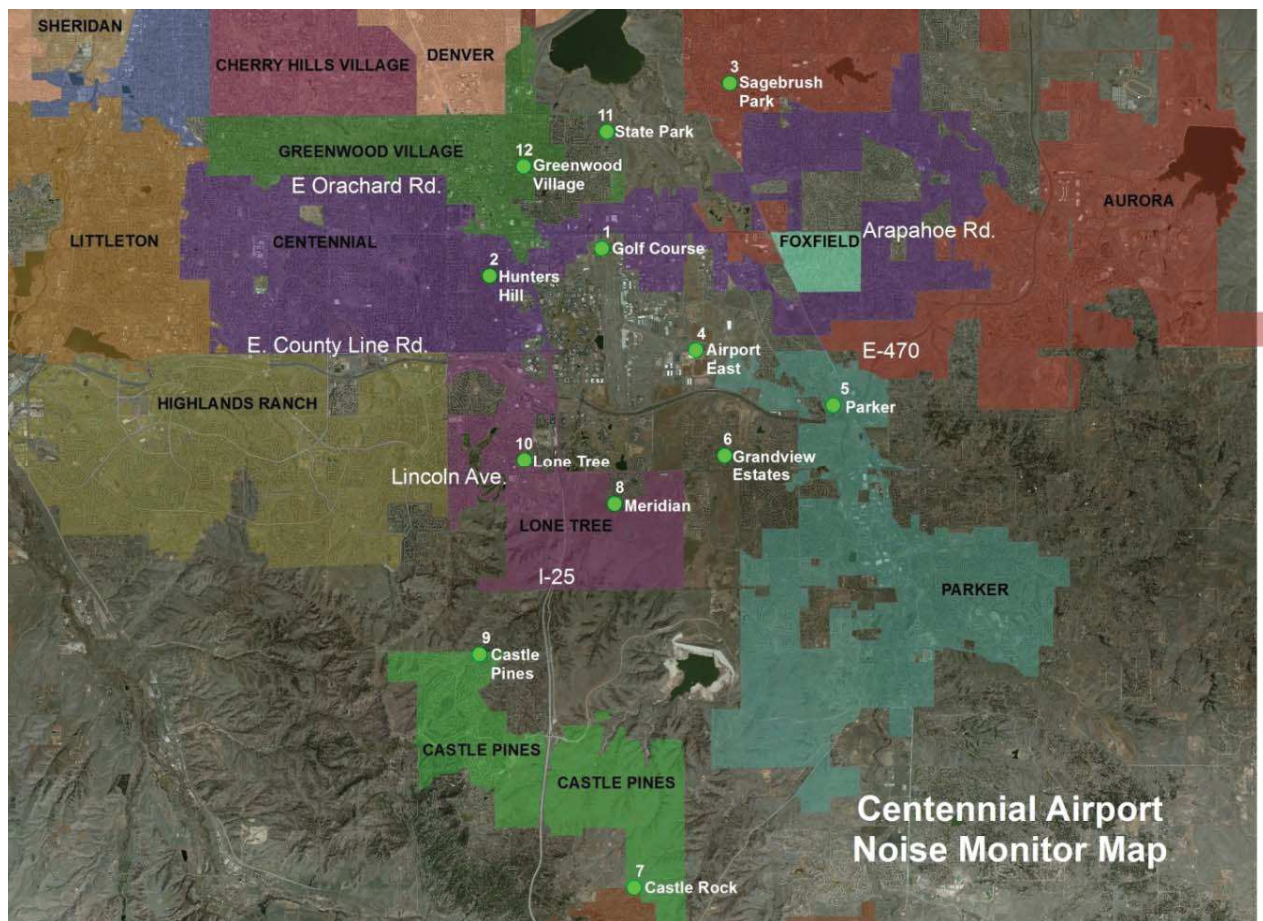
Visual Flight Rules (VFR) – A set of regulations under which a pilot operates an aircraft in weather conditions generally clear enough to allow the pilot to see where the aircraft is going. A flight plan is not required when the pilot is operating under Visual Flight Rules.

Sound Exposure Level (SEL) – The total energy in the A-weighted sound level measured during a transient noise event. SEL accounts for both the duration and the loudness of a noise event.

Overview

3 ABOUT APA'S NOISE MONITORING PROGRAM

Centennial Airport's (KAPA) Noise and Operations Monitoring System (ANOMS) is a new state of the art system that enables the Arapahoe County Public Airport Authority to monitor and better understand aircraft noise in the vicinity of Centennial Airport. This system is comprised of 12 fixed noise monitoring terminals in the community, as well as 2 portable monitors that are available for short term monitoring anywhere in the community.



4 ABOUT WEBTRAK™

As part of an ongoing program, Centennial Airport now offers an online tracking system for the movement of flights and air traffic patterns within the Denver Metro area. **WebTrak** Flight Tracking and Noise Information System allows concerned individuals to research data about flights to and from Centennial Airport, Denver International Airport, Rocky Mountain Metropolitan Airport, Front Range Airport and Buckley Air Force Base, as well as any transitional air traffic through the region.

How to participate

The general public may use **WebTrak** to investigate a noise or flight that occurred near their location. The system also simplifies the process of filing a noise complaint, offering an easy, online option for residents to register concerns regarding noise levels at the following web addresses:

APA WebTrak: <http://webtrak.bksv.com/apa>

Centennial Airport Website: <http://www.centennialairport.com>

In addition, noise complaints can also be submitted on our noise hotline:

APA Noise Hotline:

303-790-4709

5 OPERATIONS STATISTICS

	IFR ITINERANT				VFR ININERANT				LOCAL		
	AIR TAXI	G.A.	MILITARY	TOTAL INTINERANT	AIR TAXI	G.A.	MILITARY	TOTAL	G.A.	MILITARY	TOTAL LOCAL
January	2,019	3,495	116	5,630	377	7,912	98	8,387	13,616	77	13,693
February	1,944	3,142	70	5,156	298	5,231	95	5,624	9,274	62	9,336
March	2,216	3,596	201	6,013	331	6,906	186	7,423	12,219	89	12,308
April	1,967	3,266	140	5,373	366	6,537	186	7,089	11,721	164	11,885
May	2,039	3,446	121	5,606	483	7,989	126	8,598	15,561	93	15,654
June	2,346	3,754	281	6,381	576	8,803	196	9,575	15,267	152	15,419
July				0				0			0
August				0				0			0
September				0				0			0
October				0				0			0
November				0				0			0
December				0				0			0
Y-T-D Totals	12,531	20,699	929	34,159	2,431	43,378	887	46,696	77,658	637	78,295

	IFR OVERFLIGHTS				VFR OVERFLIGHTS				TOTAL OPERATIONS	
	AIR TAXI	G.A.	MILITARY	TOTAL INTINERANT	AIR TAXI	G.A.	MILITARY	TOTAL		
January	1	0	6	7	124	257	23	404	January	28,121
February	6	3	7	16	83	177	1	261	February	20,393
March	1	3	7	11	129	195	15	339	March	26,094
April	2	7	2	11	136	414	27	577	April	24,935
May	3	8	4	15	112	340	14	466	May	30,339
June	2	2	4	8	126	389	19	534	June	31,917
July				0				0	July	
August				0				0	August	
September				0				0	September	
October				0				0	October	
November				0				0	November	
December				0				0	December	
Y-T-D Totals	15	23	30	68	710	1,772	99	2,581	Y-T-D Totals	161,799

Definitions

Air Taxi – A company that operates aircraft that carry cargo or mail, or passengers on an on demand or charter basis.

General Aviation (G.A.) – All civil aviation operations other than scheduled air services and non-scheduled air transport operations for remuneration or hire.

Local – Operations are performed by aircraft which operate in the local traffic pattern or within sight of the airport; flight in local practice areas located within a 20-mile radius of the airport; execute simulated instrument approaches or low passes at the airport.

IFR Itinerant – Operations other than local operations conducted under Instrument Flight Rules.

VFR Itinerant – Operations other than local operations conducted under Visual Flight Rules.

Overflight – Operation performed by aircraft that transit the area and did not originate or did not terminate within the airspace.

6 NOISE MONITOR REPORTS

The following data displays the amount and associated decibel level of aircraft noise events at a given monitor. An aircraft noise event must contain the following characteristics:

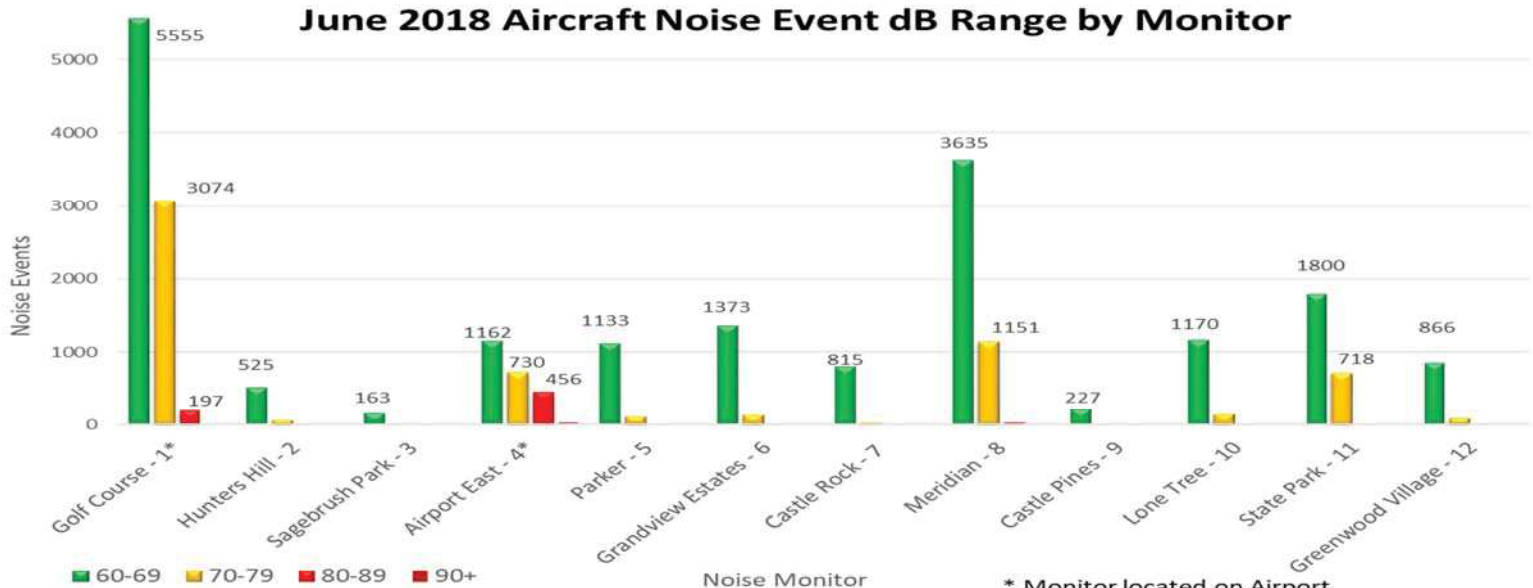
First, the noise event must exceed the ambient noise level. This number varies at every monitor, but is generally greater than 50-55db. Secondly, the noise event must last longer than 5 seconds. Lastly, using radar data, the system must correlate an aircraft with the noise event. This ensures that the sound is not associated with a 'community noise event' such as a lawn mowers or emergency sirens.

The information below reflects only aircraft noise events as described above.

June 2018 Aircraft Noise Event Decibel Range By Monitor					
Monitor	60-69	70-79	80-89	90+	Totals
Golf Course - 1*	5555	3074	197	13	8839
Hunters Hill - 2	525	71	15	0	611
Sagebrush Park - 3	163	14	1	0	178
Airport East - 4*	1162	730	456	27	2375
Parker - 5	1133	118	4	0	1255
Grandview Estates - 6	1373	145	4	0	1522
Castle Rock - 7	815	37	4	1	857
Meridian - 8	3635	1151	38	3	4827
Castle Pines - 9	227	16	1	0	244
Lone Tree - 10	1170	156	4	0	1330
State Park - 11	1800	718	15	1	2534
Greenwood Village - 12	866	103	3	0	972
Totals	18424	6333	742	45	25544

*Monitor located on Airport

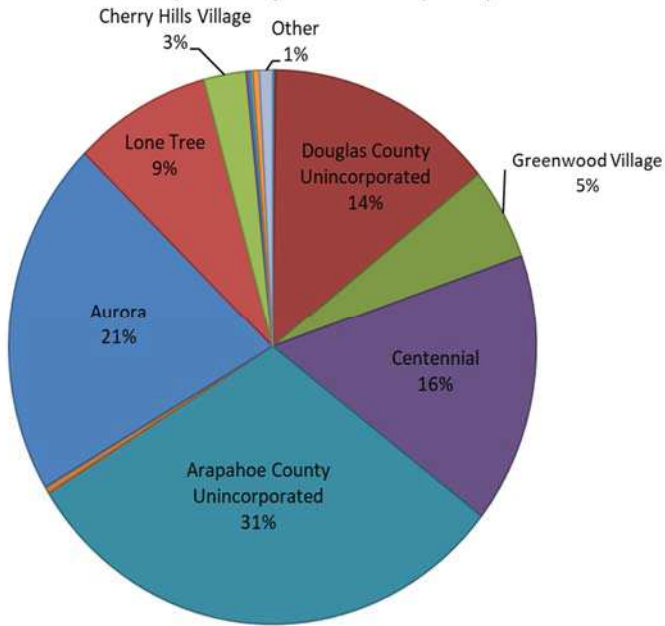
June 2018 Aircraft Noise Event dB Range by Monitor



7 JUNE 2018 NOISE COMPLAINTS

For the month of June, Centennial Airport received 499 complaints from 58 households.

June 2018 Complaints per Municipality



Noise Complaints Response Requested

Email	6
Phone	8
Total	14

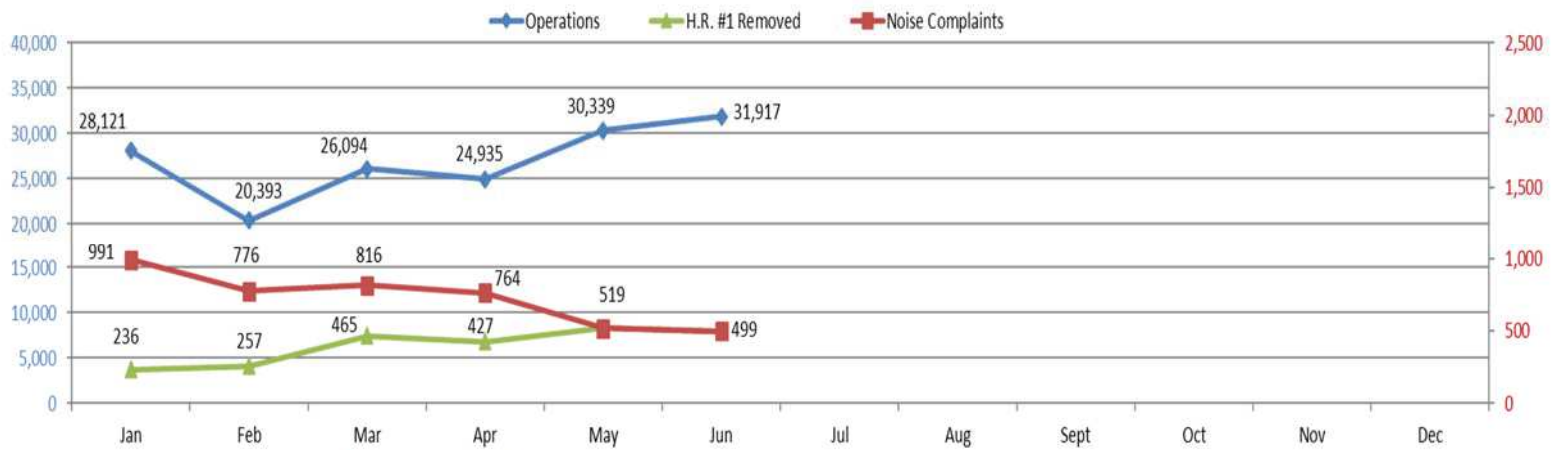
June 2018 Noise Complaints			YTD	
Municipality	Complaints	Households	Complaints	Households
Arapahoe County Unincorporated	153	15	742	100
Aurora	104	3	425	8
Castle Pines	1	1	1	1
Castle Rock	1	1	32	3
Centennial	79	5	330	18
Cherry Hills Village	13	2	33	5
Denver	2	1	26	8
Douglas County Unincorporated	70	14	294	23
Greenwood Village	27	7	275	41
Highlands Ranch	1	1	1968	5
Lone Tree	42	5	124	14
Parker	2	2	8	5
Other	4	1	107	6
Total	499	58	4365	237

Month Comparison: 2018 Noise Calls - Daytime vs. Nighttime

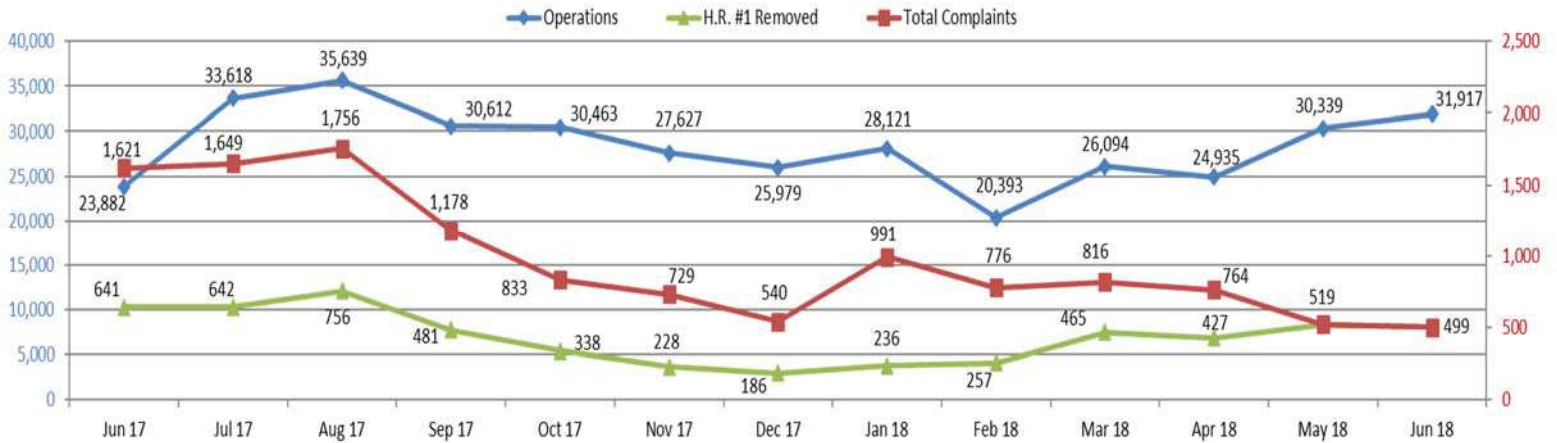
Time Complaint Received	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	2018 YTD
Day Hours (7:00 am - 9:59pm)	900	683	734	705	420	438							3880
Night Hours (10:00 pm - 6:59 am)	91	93	82	59	99	61							485
TOTAL	991	776	816	764	519	499							4365

*Nighttime hours changed to 10:00 pm – 06:59 am to reflect FAA DNL nighttime hours

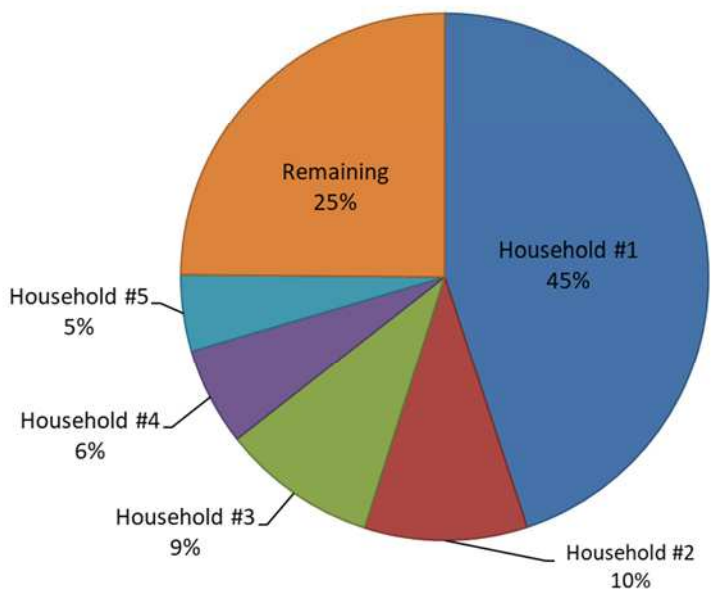
Current 12 Month Trend



Previous Year 13 Month Trend

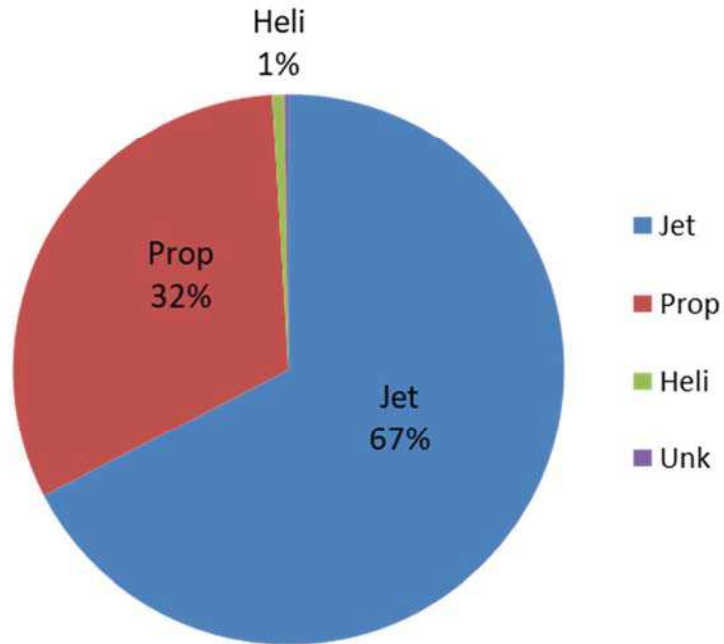


2018 YTD Top 5 Household Complaints

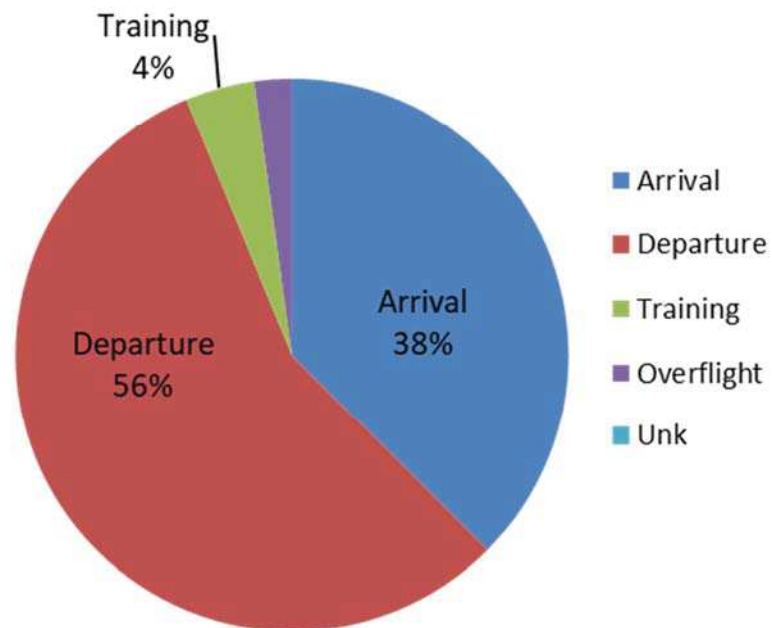


YTD Top 5 Household Complaints		
Household	Complaints	Municipality
Household #1	1,962	Highlands Ranch
Household #2	435	Arapahoe County Unincorporated
Household #3	415	Aurora
Household #4	263	Centennial
Household #5	205	Douglas County Unincorporated
Remaining	1,085	
Total	4,365	

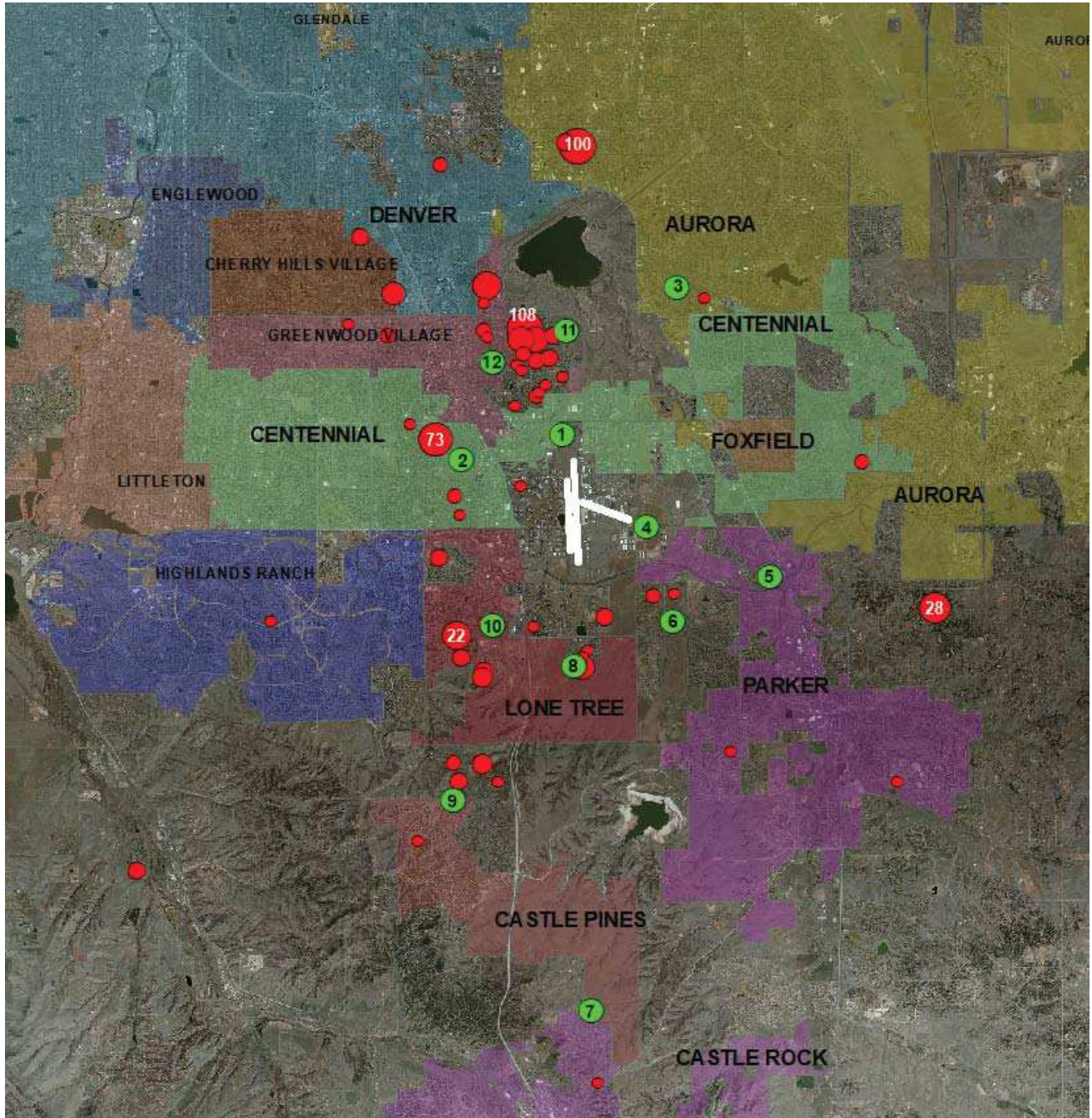
June Complaints by Aircraft Type



June Complaints by Operation Type



8 COMPLAINT MAP



June 2018 Complaints

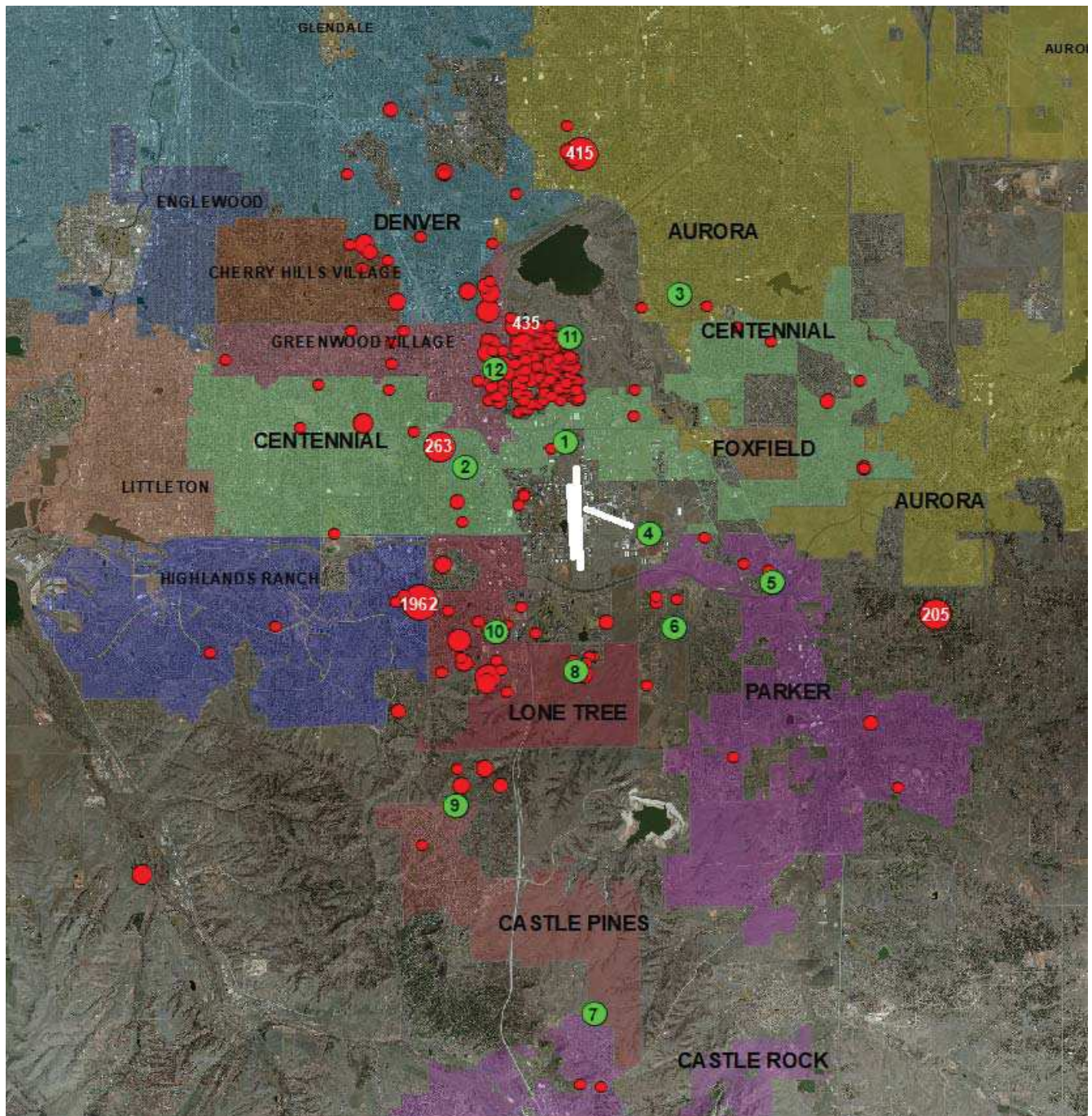
MAP LEGEND:

*1 households are located outside the map area

Green = Noise Monitor Locations

Red = Household Complaint Locations.

**Larger dots equate to more complaints for that particular household



YTD 2018 Complaints

MAP LEGEND:

*8 households are located outside the map area

Green = Noise Monitor Locations

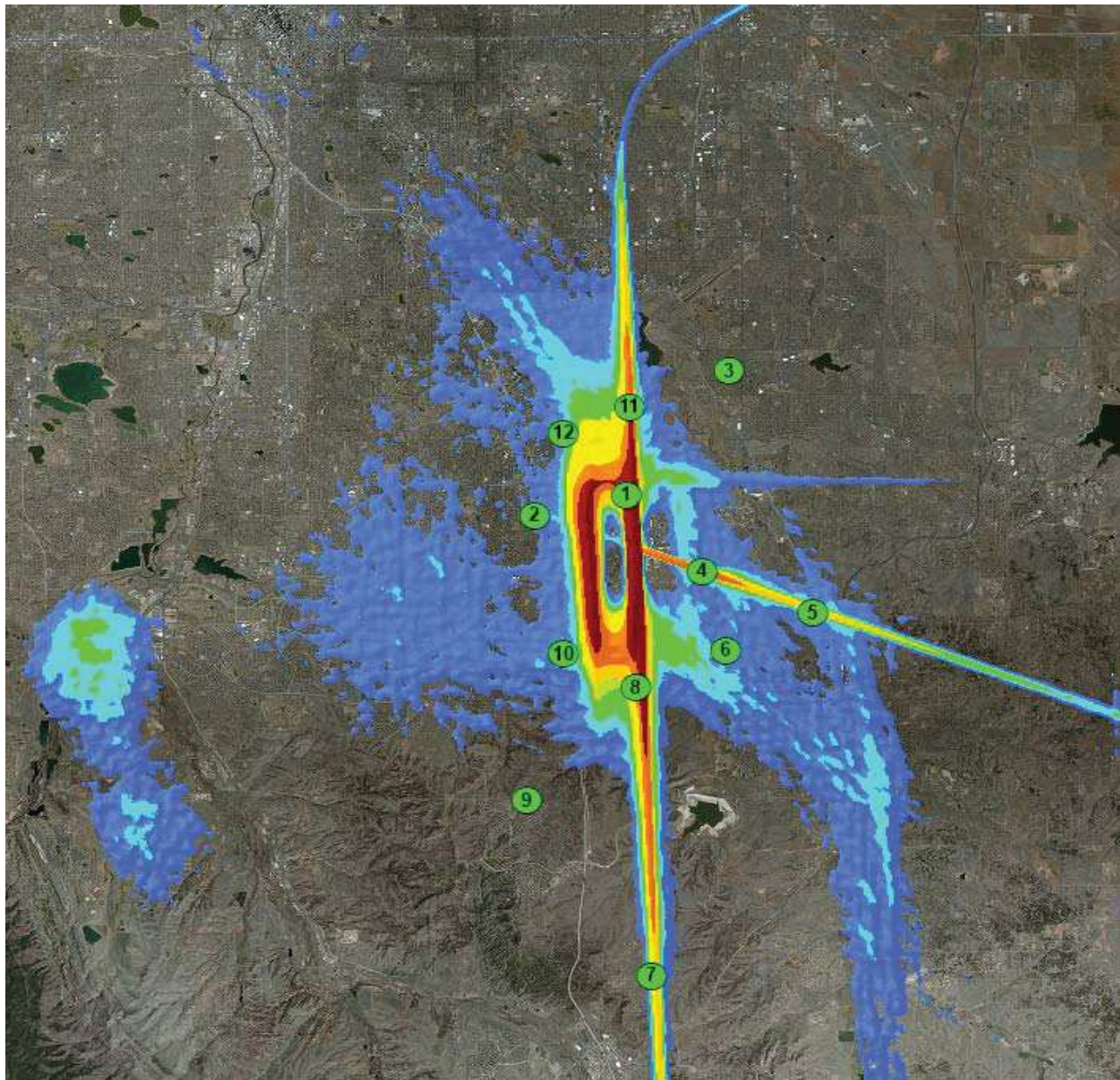
Red = Household Complaint Locations.

**Larger dots equate to more complaints for that particular household

9 RADAR TRACK DENSITY MAP

The following map takes all of the flight track data for the given time period and creates a line density plot. This enables everyone to have a better understanding of where the flight tracks are at, while allowing for historical comparisons. Dark red in the middle of the picture shows the highest density of flight tracks over the runways. The colors gradually move out to blue as the least dense.

June 2018 Flight Tracks into Centennial Airport



Lower Density Traffic Higher Density Traffic

10 NOTES AND DISCLAIMER

This report is for informational use only. Every effort has been made to ensure the accuracy of this data; however, the material may be altered as new information is added or updated in the system.

Centennial Airport disclaims any responsibility or liability for any direct or indirect damages resulting from the use of this data. We hope this information provides you with a valuable tool in which to review noise data and characteristics in your area. If you have questions or concerns, please contact the Centennial Airport Noise office at **303-790-0598**.



Noise Hotline: 303-790-4709

www.centennialairport.com

CACNR 2018 MEETING SCHEDULE

With

CACNR REPRESENTATIVES TO 2018 MEETINGS OF THE ARAPAHOE COUNTY PUBLIC AIRPORT AUTHORITY

3:00 p.m., Wright Brothers Room, Centennial Airport, 7800 S. Peoria Street, Englewood, CO

CACNR Meeting	REPORT DUE DATE (to Dylan)	ACPAA MEETING	CACNR REPRESENTATIVE
No Meeting	Not Needed	No Meeting	No Need
February 07	Not time	February 08	Kathleen Conti
March 07	Not time	March 08	No One
April 04	April 06	April 12	Melissa Coudeyras
May 02	May 04	May 10	Andrea Suhaka
June 06	June 15	June 21	Candace Moon
July 11	Combine with August	No Meeting	No Need
August 01	August 03	August 09	Brad Pierce
September 05	September 07	September 13	
October 03	October 05	October 11	
November 07	Not time	November 08	
December 05	December 07	December 13	

ROSTER – CENTENNIAL AIRPORT COMMUNITY NOISE ROUNDTABLE

	<u>PREFERRED TELEPHONE</u>	<u>OTHER (cell, home, etc.)</u>	<u>COMMITTEE(S)</u>	<u>EMAIL ADDRESS</u>
<u>ARAPAHOE COUNTY:</u>				
Kathleen Conti	303-795-4285	303-795-4630;303-507-5170	(c) Fly Quiet	kconti@arapahoegov.com
Thad Bagnato	303-481-4260	303-918-7202 (c)	Fly Quiet	tbagnato@creativebakerysolutions.com
Jim Dawkins	303-906-0041 (c)		Noise Monitors (chair)	jimdawkins@comcast.net
vacant				
<u>DOUGLAS COUNTY:</u>				
Vacant				
Jamie Hartig	303-660-7460	303-814-4361	CACNR Treasurer; Work Plan	jhartig@douglas.co.us
Alison Biggs	303-790-4767	303-859-0231 (c)	CACNR Secretary; Study Group; Work Plan (chair)	albiggs@aol.com
Mike Acree	303-880-7253		Community Outreach	mikeacree@aol.com
<u>AURORA, City of:</u>				
Brad Pierce	303-739-7514	303-241-5559 (c)	CACNR Chair; Study Group; Work Plan	bmpierce2@comcast.net
Liia Koiv-Haus	303-739-7137	860-287-8205 (c)	Work Plan	lkoiv@auroragov.org
<u>CASTLE PINES, City of:</u>				
Melissa Coudeyras	831-224-9573		Community Outreach	melissa.coudeyras@castlepinesgov.com
Ben Price	720-261-2241			ben.price@castlepinesgov.com
<u>CASTLE ROCK, Town of:</u>				
Brett Ford			Community Outreach	bford@crgov.com
Sandy Vossler	720-733-3556		Community Outreach	svossler@crgov.com
<u>CENTENNIAL, City of:</u>				
Candace Moon	303-754-3354		Noise Monitors	cmoon@centennialco.gov
Andrea Suhaka	303-770-0058		Study Group	standy@ecentral.com
<u>CHERRY HILLS VILLAGE, City of:</u>				
Katy Brown	303-860-0262		CACNR Vice Chair; Study Group	kbrown@cherryhillsvillage.com
Randy Weil	303-725-1706		Noise Monitors	rweil@cherryhillsvillage.com
<u>FOXFIELD, Town of:</u>				
Dave Goddard	720-202-1011		Fly Quiet; Noise Monitors	dgoddard@townoffoxfield.com
Vacant				
<u>GREENWOOD VILLAGE, City of:</u>				
Tom Dougherty	303-804-4132		Noise Monitors	tdougherty@greenwoodvillage.com
Karen Blilie	303-220-1257		Fly Quiet	kbllie@comcast.net
<u>LONE TREE, City of:</u>				
Mike Anderson	303-708-1818		Community Outreach	mike.anderson@cityoflonetree.com
Jennifer Drybread	303-708-1818		Community Outreach	jennifer.drybread@cityoflonetree.com
<u>PARKER, Town of:</u>				
Amy Holland	303-419-5107 (c)		Community Outreach	aholland@parkeronline.org
Ryan McGee	303-841-2332, extension 3338		Community Outreach	rmcgee@parkeronline.org
<u>AIRCRAFT OWNERS AND PILOTS ASSOCIATION (AOPA):</u>				
Robert Doubek	303-771-8148		Fly Quiet	idacrase@centurylink.net
John Hirshman	720-232-6820		Noise Monitors	jahirshman@gmail.com
<u>ARAPAHOE COUNTY PUBLIC AIRPORT AUTHORITY (ACPAA):</u>				
Robert Olislagers	303-790-0598 (APA main number)		Work Plan	rolislagers@centennialairport.com
Mike Fronapfel	303-218-2903	303-522-4650 (c)		mfronapfel@centennialairport.com

	<u>PREFERRED TELEPHONE</u>	<u>OTHER (cell, home, etc.)</u>	<u>COMMITTEE(S)</u>	<u>EMAIL ADDRESS</u>
<u>COLORADO AVIATION BUSINESS ASSOCIATION (CABA):</u>				
Don Kuskie	303-304-9476	303-618-1846	Fly Quiet (chair)	dkuskie@xjetworld.com
Mike Straka	303-881-3315 (c)		Fly Quiet	mstraka@mycaba.org
<u>COLORADO DEPARTMENT OF TRANSPORTATION – AERONAUTICS DIVISION (C-DOT):</u>				
Todd Green	303-512-5256	308-293-6067		todd.green@state.co.us
vacant				
<u>FEDERAL AVIATION ADMINISTRATION APA CONTROL TOWER:</u>				
Diana Hanley	720-873-2771			diana.hanley@faa.gov
Ron Curry	720-873-2774			ronald.l.curry@faa.gov
<u>FEDERAL AVIATION ADMINISTRATION DISTRICT OFFICE:</u>				
Linda Bruce	303-342-1264			linda.bruce@faa.gov
Kandice Krull	303-342-1261			kandice.krull@faa.gov
<u>FEDERAL AVIATION ADMINISTRATION TERMINAL RADAR APPROACH CONTROL (TRACON):</u>				
Steve Martin (Support Manager)				steve.martin@faa.gov
Bill Dunn (Support Specialist)				bill.dunn@faa.gov
<u>OTHERS:</u>				
Harold Anderson	303-799-3996	303-898-8032 (c)		handerson30@hotmail.com
John Baldyga NATCA - (tower union rep)				john.s.baldyga@faa.gov
Jim Borget (TRACON)	303-342-1555			jim.borget@faa.gov
Joe Fowler	303-814-4367	303-660-7460		jfowler@douglas.co.us
Dennis Fria (APA Tower Mgmt. Program Analyst)				dennis.fria@faa.gov
Randi Gallivan (Foxfield town clerk)	303-680-1544			clerk@townoffoxfield.com
Keith Gardner		303-885-5976		gardner_k@netzero.com
Karen Hancock	303-739-7107		Work Plan	khancock@auroragov.org
Dylan Heberlein	303-218-2921		Noise Monitors/Reports	dheberlein@centennialairport.com
Gerald Huthoefer	303-342-1525			gerald.huthoefer@faa.gov
Jennifer Houlne (Centennial Planner II)	303-754-3357			jhoulne@centennialco.gov
Porter Ingrum	303-739-7227			pingrum@auroragov.org
Chuck Lawson (Huntington Acres HOA)				teshnaha@gmail.com
Martha Lovato (Arapahoe County Admin)	303-795-4530			mlovato@arapahoe.gov
Rex Lucas				rexlucas303@gmail.com
Bryce Matthews (possible Parker alternate)	303-805-3174			bmatthews@parkeronline.org
Aaron Repp (APA)	303-218-2922			aaron.repp@gmail.com
Kati Rider (Douglas County)	303-814-4354			krider@douglas.co.us
Ryan Sarni (Cherry Creek Vista South)	720-369-3112			ryansarni@yahoo.com
Maureen Shul	720-733-0491	303-378-8868 (c)	Community Outreach	mashul1010@aol.com
Susan Squyer	303-906-9890			ssquyer@comcast.net
Mike Sutherland	303-908-6545 (c)			sutherlandmichael@comcast.net
Doug Tisdale	303-589-0758 (c)			DougTisdale@me.com
Bette Todd	303-916-4540		Noise Monitors	bet430@aol.com
Heather Vidlock	303-486-5774			hvidlock@greenwoodvillage.com
Bill Wasmund	720-560-9419 (c)		Fly Quiet	bill.wasmund@gmail.com