



## **CENTENNIAL AIRPORT COMMUNITY NOISE ROUNDTABLE**

### **AGENDA**

**August 2, 2023**

**6:30 p.m. – 8:30 p.m.**

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

**Members' Representatives and Alternate Representatives are requested to attend all meetings in person.**

**Members of the public may attend meetings in person, or virtually.**

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

**Chair: Brad Pierce   Vice Chair: Paul Krier   Treasurer: Andy Jones   Secretary: Alison Biggs**

**1. CALL TO ORDER AND DETERMINATION OF QUORUM:**

|                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <i>Arapahoe County:</i> Leslie Summey/Vacant<br>Paul Krier/Evan Colvin<br><i>Douglas County:</i> Abe Laydon/Dan Avery<br>Alison Biggs/Mark Adams<br><i>Aurora:</i> Brad Pierce/Mindy Parnes<br><i>Castle Pines:</i> Chris Eubanks/Ben Price<br><i>Castle Rock:</i> Laura Cavey/Sandy Vossler<br><i>Centennial:</i> Candace Moon/Don Sheehan<br><i>Cherry Hills Village</i> Robert Eber/Randy Weil | <i>Foxfield:</i> Pam Thompson/Frank Lawrence<br><i>Greenwood Village:</i> Donna Johnston/Libby Barnacle<br><i>Highlands Ranch Metro Dist.</i> Andy Jones/Renee Anderson<br><i>Lone Tree:</i> Mike Anderson/Chuck Darnell<br><i>Parker:</i> Ashley Chasez/Vacant<br><i>ACPAA:</i> Michael Fronapfel/Vacant<br><i>AOPA:</i> John Hirshman/Vacant<br><i>CABA:</i> Don Kuskie/Mike Straka<br><i>CDOT Aeronautics Div:</i> Todd Green/Vacant<br><i>Wings Over the Rockies:</i> Bill Wasmund Jordan Ashley |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

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

- A. DRAFT MINUTES,, June 7, 2023 – Alison Biggs, Secretary
- B. TREASURER'S REPORTS, June & July 2023 – Andy Jones, Treasurer  
N.O.I.S.E. 7/11/223 INVOICE
- C. NOISE REPORTS, May & June 2023 – Samantha Blymyer, ACPAA Staff

**3. ITEMS REMOVED FROM CONSENT AGENDA:**

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

- A. RECEIVED BY CACNR
- B. MEETING ATTENDEES

**5. CACNR STUDY GROUP COMMITTEE:**

**6. EXECUTIVE COMMITTEE:**

- A. CACNR REPRESENTATIVE TO ACPAA MEETING ON AUGUST 10, 2023
- B. RETREAT PLANNING
- C. FAA NOISE POLICY REVIEW
- D. FAA REAUTHORIZATION ACT OF 2023
  - 1. Jason Crow Newsletter
- E. CHRIS EUBANKS COMMUNICATION
- F. ALISON BIGGS INQUIRY

**7. COMMITTEE REPORTS:**

- A. COMMUNITY OUTREACH – Mike Anderson, Chair
- B. FLY QUIET – Don Kuskie for Chair Bill Wasmund
- C. NOISE MONITORS – Candace Moon, Chair
  - 1. Reports of Portable Noise Monitors in Louviers & Greenwood Village

8. **OTHER REGULAR REPORTS:**
- A. ACPAA June 8,, 2023 – Andy Jones
  - B. AIRPORT DIRECTOR – Mike Fronapfel
    - 1. Flight School Activity
    - 2. Fuel Sold – How Much Sold/What Kind
    - 3. Community Related Activity
    - 4. Part 150 Study/Mead and Hunt Scope of Work
    - 5. Other Airport Activity
    - 6. Legislative
    - 7. Status of Follow Up Items
  - C. FLIGHT SCHOOLS:
    - 1. Aspen Flying Club – Justin Mazza
    - 2. ATP – John Herman
    - 3. Flights Inc. – Kimber Bauer
    - 4. Independence Aviation – Jason Ahbe
9. **FAA REPORTS:**
10. **OLD BUSINESS:**
11. **NEW BUSINESS:**
- A. INFORMATION SHARING
    - 1. NextGen Advisory Committee June 12, 2023 Meeting Agenda – Brad Pierce
    - 2. 2024 UC Davis Aviation Noise & Emissions Symposium
    - 3. 2023-2024 CACNR Attendance Record
12. **PUBLIC COMMENT:** (3 minutes per person time limit):
13. **NEXT MEETINGS:**
- |            |                    |                                                         |
|------------|--------------------|---------------------------------------------------------|
| A. CACNR – | September 6, 2023  | 6:30 p.m. 7565 S. Peoria Street, Unit 9D, Englewood, CO |
|            | October 4, 2023    | 6:30 p.m. 7565 S. Peoria Street, Unit 9D, Englewood, CO |
|            | November 1, 2023   | 6:30 p.m. 7565 S. Peoria Street, Unit 9D, Englewood, CO |
|            | December, 2023     | NO MEETING                                              |
| B. ACPAA – | August 10, 2023    | 3:00 p.m. 7565 S. Peoria Street, Unit 9D, Englewood, CO |
|            | September 14, 2023 | 3:00 p.m. 7565 S. Peoria Street, Unit 9D, Englewood, CO |
|            | October 12, 2023   | 3:00 p.m. 7565 S. Peoria Street, Unit 9D, Englewood, CO |
|            | November 9, 2023   | 3:00 p.m. 7565 S. Peoria Street, Unit 9D, Englewood, CO |
|            | December 14, 2023  | 3:00 p.m. 7565 S. Peoria Street, Unit 9D, Englewood, CO |
14. **ADJOURN:**



## CENTENNIAL AIRPORT COMMUNITY NOISE ROUNDTABLE MINUTES

June 7, 2023

**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:** Paul Krier **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:

|                 |                        |                         |                |
|-----------------|------------------------|-------------------------|----------------|
| Douglas County: | Dan Avery              | Greenwood Village:      | Donna Johnston |
| Douglas County: | Alison Biggs           | Highlands Ranch:        | Andy Jones     |
| Aurora:         | Brad Pierce            | Lone Tree:              | Mike Anderson  |
| Castle Pines:   | Chris Eubanks          | ACPAA:                  | Mike Fronapfel |
| Centennial:     | Candace Moon           | AOPA:                   | John Hirshman  |
| Foxfield:       | Pam Thompson (virtual) | Wings Over the Rockies: | Bill Wasmund   |

Others in attendance were ACPAA staff Samantha Blymyer, Chris Thompson, and Lauren Wiarda.

Those absent were:

|                       |                           |                       |                        |
|-----------------------|---------------------------|-----------------------|------------------------|
| Arapahoe County:      | Leslie Summey             | Parker:               | Ashley Chasez/Vacant   |
| Arapahoe County:      | Paul Krier                | CABA:                 | Don Kuskie/Mike Straka |
| Castle Rock:          | Laura Cavey/Sandy Vossler | CDOT Aeronautics Div: | Todd Green/Vacant      |
| Cherry Hills Village: | Robert Eber/Randy Weil    |                       |                        |

2. **CONSENT AGENDA:** The Consent Agenda included the Draft CACNR Minutes from May 3, 2023; the Treasurer's Report from June 2, 2023, showing a balance of \$30,575.35; and the April 2023 Noise Report. On the motion of Andy Jones, duly seconded, the Consent Agenda was approved.

The April 2023 Noise Report included the following information:

|                                       |               |                                       |                |
|---------------------------------------|---------------|---------------------------------------|----------------|
| <b>April Local Operations:</b>        | <b>16,980</b> | <b>April Total Operations:</b>        | <b>30,411</b>  |
| <b>Year to Date Local Operations:</b> | <b>56,396</b> | <b>Year to Date Total Operations:</b> | <b>106,687</b> |

**30,411 Total Operations in April resulted in 680 complaints from 60 households.**

### April Noise Events:

| <u>April Total:</u>     | <u>April 60 – 69 db:</u> | <u>April 70 – 79 db:</u> | <u>April 80 – 89 db:</u> |
|-------------------------|--------------------------|--------------------------|--------------------------|
| Golf Course 9,701       | Meridian 5,774           | Golf Course 3,802        | Airport East 1,063       |
| Meridian 7,065          | Golf Course 5,616        | Airport East 1,815       | Golf Course 299          |
| Airport East 5,113      | Airport East 2,165       | Meridian 1,248           | Meridian 39              |
| State Park 2,186        | State Park 1,618         | State Park 558           | State Park 10            |
| Grandview Estates 1,673 | Grandview Estates 1,515  | Parker 184               | Lone Tree 8              |
| Parker 1,618            | Parker 1,434             | Grandview Estates 151    | Grandview Estates 7      |
| Lone Tree 1,053         | Lone Tree 988            | Greenwood Village 133    | Greenwood Village 6      |
| Greenwood Village 1,041 | Greenwood Village 902    | Lone Tree 53             | Hunters Hill 2           |
| Castle Rock 838         | Castle Rock 838          | Hunters Hill 42          | Castle Rock 1            |
| Hunters Hill 214        | Hunters Hill 377         | Castle Rock 31           | Sagebrush Park 1         |
| Sagebrush Park 120      | Sagebrush Park 113       | Castle Pines 7           | Castle Pines -           |
| Castle Pines 114        | Castle Pines 107         | Sagebrush Park 6         | Parker -                 |

**April Noise events in the 90+ decibel range:** Airport East – 70    Castle Rock – 18    Golf Course – 14    Lone Tree – 4    Meridian – 4

### April Noise Complaints and Numbers of Households:

(680)

(60)

### YTD Complaints & Number of Households:

(2,538)

(149)

#### Noise Complaints:

|                                |            |
|--------------------------------|------------|
| Unincorporated Arapahoe County | 376 (55 %) |
| Greenwood Village              | 139 (21%)  |
| Centennial                     | 66 (10%)   |
| Unincorporated Douglas County  | 36 ( 5%)   |
| Parker                         | 33 ( 5%)   |

#### Number of Households:

|                   |          |
|-------------------|----------|
| UAC               | 30 (50%) |
| Greenwood Village | 11 (18%) |
| Other             | 6 (10%)  |
| UDC               | 4 ( 7%)  |
| Parker            | 2 ( 3%)  |

#### Noise Complaints:

|             |             |
|-------------|-------------|
| UAC         | 1,194 (47%) |
| GW Village  | 829 (33%)   |
| Centennial  | 241 ( 9%)   |
| UDC         | 95 ( 4%)    |
| Castle Rock | 63 ( 3%)    |

#### Households:

|        |          |
|--------|----------|
| UAC    | 72 (48%) |
| GV     | 34 (23%) |
| Other  | 12 ( 8%) |
| UDC    | 6 ( 4%)  |
| Parker | 6 ( 4%)  |

(Continued...)

**Noise Complaints:**

|                      |    |
|----------------------|----|
| Other                | 12 |
| Castle Rock          | 11 |
| Aurora               | 3  |
| Lone Tree            | 3  |
| Highlands Ranch      | 1  |
| Castle Pines         | 0  |
| Cherry Hills Village | 0  |
| Denver               | 0  |

**Number of Households:**

|                      |   |
|----------------------|---|
| Castle Rock          | 2 |
| Lone Tree            | 2 |
| Aurora               | 1 |
| Centennial           | 1 |
| Highlands Ranch      | 1 |
| Castle Pines         | 0 |
| Cherry Hills Village | 0 |
| Denver               | 0 |

**Noise Complaints:**

|                      |    |
|----------------------|----|
| Other                | 49 |
| Parker               | 38 |
| Aurora               | 14 |
| Highlands Ranch      | 7  |
| Lone Tree            | 6  |
| Castle Pines         | 2  |
| Cherry Hills Village | 0  |
| Denver               | 0  |

**Households:**

|                |   |
|----------------|---|
| Centennial     | 5 |
| Castle Rock    | 4 |
| Lone Tree      | 4 |
| Aurora         | 3 |
| Highlands      | 3 |
| Castle Pines   | 2 |
| Cherry Hills V | 0 |
| Denver         | 0 |

**Year to Date, the top five household complaints were:**

|              |     |                                |              |     |                                |
|--------------|-----|--------------------------------|--------------|-----|--------------------------------|
| Household #1 | 538 | Greenwood Village              | Household #4 | 151 | Unincorporated Arapahoe County |
| Household #2 | 327 | Unincorporated Arapahoe County | Household #5 | 80  | Unincorporated Arapahoe County |
| Household #3 | 235 | Centennial                     |              |     |                                |

In April, 34 responses were requested from 680 noise complaints, with 27 of those requests made by email (79%), and 7 made by telephone (21%).

In April, 627 complaints were made about daytime flights (7:00 a.m. – 9:59 p.m.) – 92%.

53 complaints were made about nighttime flights (10:00 p.m. – 6:59 a.m.) – 8%.

In April, props accounted for 93% of the complaints by aircraft type; jets accounted for 6% of the complaints, and helicopters caused 1%.

In April, training was responsible for 61% of the complaints; departures were responsible for 26% of the complaints, and arrivals were responsible for 13% of the complaints.

The April Complaint Map and an April Radar Track Density Map were provided.

3. **ITEMS REMOVED FROM THE CONSENT AGENDA:** None

**SPECIAL GUEST:** Louis Dupart, a Founding Partner of the Normandy Group, joined CCNR. The firm is a lobbying group that is based in Washington, D.C. and has been retained by ACPAA, Arapahoe County and Greenwood Village to work to achieve the creation of the technical working group/committee here. It has worked with the FAA for over 20 years, and is familiar with Governor Polis and his staff, both of Colorado's Senators, and Congressman Crow. He had also met with Quiet Skies Over Arapahoe County, so was familiar with that group.

Question was asked if there was a timeline for achieving the creation of the committee. Dupart reviewed some of the meetings and communications which had been held with the involved parties, and noted the meeting with Grady Stone should be considered a win. Dan Avery noted Douglas County's D.C. staff has been briefed about what has been going on and will help when requested. All would just need to keep pushing the FAA, both here and in D.C., in order to move forward.

It was noted the next nominee to head the FAA would also need to be educated about what has and is going on related to Centennial Airport and its surrounding citizens.

**SPECIAL PRESENTATION:** Robert Olislagers attended the meeting virtually, to discuss the FAA's Eliminate Aviation Gasoline Lead Emissions (EAGLE) initiative to eliminate leaded aviation fuels in piston-engine aircraft by the end of 2030 or sooner. He referred to the interest and involvement of many stakeholders and noted the progress made here at Centennial Airport. He provided a history of lead use and how long it took to eliminate the use of lead in automobile gasoline. A time line for reaching the goal for aircraft was provided, with the unknowns being the completion of regulations and the actual implementation of those regulations.

4. **PUBLIC COMMENT:** Chair Pierce opened the meeting for public comment. There were approximately 25 in attendance and another 23 on line. The majority of those commenting were from Greenwood Village, Sundance Hills in Greenwood Village, Centennial, and Louviers. Comments are summarized below:

Although there was some recognition of progress being made to get the FAA to the table, it was also recognized that many members of the public were tired of talking about the problems and were running out of new things to say. Accordingly, a new non-profit group had been formed called Safe Skies Colorado which is soliciting donations to support litigation if needed to reach a solution about flight school noise.

In response to a comment from a prior meeting about the need for pilot training, communities should not have to suffer because of it. Companies are making a profit and the communities are suffering. There was concern the number of flights was going up, not a desired direction to help our communities. There was some notice of pattern changes with fewer planes in the Louviers area – difficult to pinpoint, but things were different.

There was concern about the restrictions put on the airport due to its acceptance of Federal grant monies with the related grant assurances. There was also concern again about the use of unleaded fuel and a demand was made for its use to be banned immediately; a desired admission by the airport that the public is being so poisoned by its use that emergency intervention is required; and reference to a recent California study related to the brain damage done to children by lead exposure. Question was asked about what emergency intervention was envisioned, and what kind of result was anticipated. A request was made for CACNR to receive a monthly report of how much of what kind of fuel had been sold at the airport.

A question was raised about the purpose of CACNR, given that it has no power to implement anything and can only recommend ideas to ACPAA or others. Question was also raised about the purpose of the airport. This led to a question about how soon a date would be forthcoming for the CACNR retreat, and a suggested focus of the retreat to be the value of CACNR.

Comment was made that CACNR does have value. All understand the problem, but there are so many factors involved it is hard to enact change addressing all of them immediately. Complaints can go on forever and concerns can be elevated, but data needs to be utilized to help seek solutions. There was concern that some members of the public seemed to feel they have been treated poorly by CACNR because it cannot solve the problems immediately and things seemed to have gotten worse.

5. **EXECUTIVE COMMITTEE:**

A. CACNR REPRESENTATIVE TO ACPAA MEEETING on June 8,, 2023 – Andy Jones agreed to attend again.

B. FAA PUBLIC COMMENT PERIOD ON NOISE POLICY REVIEW – Jason Schwartz would assist in the crafting of a CACNR comment for submission.

C. RETREAT PLANNING – Jason Schwartz was available to facilitate another retreat and planning with him was proceeding. Representatives were requested to get their ideas for topics to be considered sent to the Executive Committee as soon as possible.

D. OTHER – On the Treasurer's Report, it was noted that there had been a change in the carry over from 2022. Samantha Blymyer had discovered a \$540 refund from the UC Davis event had not been properly credited to CACNR, and she had rectified the situation. She was thanked for being so alert!

6. **OTHER COMMITTEE REPORTS**

A. COMMUNITY OUTREACH – Efforts continued to address the Committee's items in the Work Program. However, most of the work with the FAA was presently being conducted by other segments of CACNR. The website was in a state of being updated on a regular basis.

B. FLY QUIET – A written report had been provided in the pre-meeting mailing. The fly quiet signs had been approved by ACPAA for the new tarmac run-up signs. Initial work was being done for the creation of a video to put on the CACNR website.

C. NOISE MONITORS – The Committee had held a virtual meeting on June 5. It requested the portable noise monitor be left at its current location in Greenwood Village for at least the next ninety days. The second portable monitor was available for placement if another request was made during that time. It had been estimated the cost of adding a noise monitor would be in the \$40,000 range. A suggested area would be northwest of the airport.

Samantha Blymyer reviewed the results of the most recent data from the monitor in Greenwood Village. The full report had been included in the pre-meeting mailing. (DNL is a 24-hour average sound level.)

|          | <u>Aircraft DNL</u> | <u>Community DNL</u> | <u>Total DNL</u> | <u>Average of all peak noise levels for a<br/>for a single aircraft noise event</u> |
|----------|---------------------|----------------------|------------------|-------------------------------------------------------------------------------------|
| January  | 42.4                | 48.9                 | 50.1             | 65.2 dB                                                                             |
| February | 43.4                | 49.5                 | 51.0             | 65.9 dB                                                                             |
| March    | 44.0                | 49.4                 | 50.8             | 65.6 dB                                                                             |
| April    | 45.1                | 50.7                 | 52.0             | 65.8 dB                                                                             |

The report had also included the total number of noise events at the portable monitor from both Centennial and Non-Centennial aircraft; the number of community noise events at the portable monitor, and the number of Centennial-associated aircraft within one mile of the portable monitor for the duration of each month's stay. Finally, noise event comparisons were provided between the portable monitor and each of the 12 permanent monitors for each month.

7. **FAA REPORTS/COMMENTS:** None.

8. **OTHER REGULAR REPORTS:**

A. ACPAA APRIL 13, 2003 – Andy Jones had attended for CACNR, and his report to ACPAA was provided.

B. AIRPORT DIRECTOR'S REPORT –

1. Unleaded Fuel – 15% of all fuel sold at Centennial Airport is now UL94 unleaded aviation gasoline. ACPAA continues its support for aircraft achieving the required certification to use that fuel, and for making the fuel available in a cost effective manner. Centennial is the first airport in the state to do so, and nearly 20-percent of eligible aircraft and 80-percent of flight school aircraft at the airport have secured the supplemental type certificates to use the UL94 unleaded avgas..

2. Technical Working Group – There had been a meeting with Grady Stone, FAA Regional Administrator Northwest Mountain Region, and it appeared there might be some progress in getting a meeting of the Technical Working Group soon. Letters continue to go from those supporting CACNR's and ACPAA's efforts.

3. Part 150 Study Scope of Work – this will go to ACPAA in August.
4. Flight School Activity – Meetings continue with the flight schools, with the next coming up this month.<sup>1</sup>
- C. FLIGHT SCHOOLS – none.

9. **OLD BUSINESS:**

A. REPORTS FROM UC DAVIS – Ashley Chasez had submitted a written report, and Chris Eubanks provided further comments. Both seemed to feel that this year's program had more focus on issues from the perspective of large commercial airports rather than general aviation airports. However, Chasez noted it was nice to know that we are not alone in trying to address the issues we face, as others around the country are dealing with them as well. They agreed the first day had been the most helpful for first-time attendees.

10. **NEW BUSINESS:**

A. INFORMATION SHARING –

1. A copy of the 2023-2024 CACNR Work Program had been provided in the mailing for everyone.
2. A copy of the most current CACNR Attendance Record had been provided in the mailing for everyone.
3. The report of the portable noise monitor from Louviers would be available for the CACNR August meeting.
4. Request was made for ACPAA to regularly bring CACNR a report of what it had been doing; it would be appreciated if an ACPAA member would attend CACNR meetings, much the same as a CACNR Representative attends ACPAA meetings. As an example of something of interest to CACNR, it would be useful for CACNR to have a presentation about the plans for the new control tower, the desired utilization of it, and the preferred outcome(s) of that project. If additional flights and the accompanying noise are envisioned, the neighborhoods should be made aware now.

11. **PUBLIC COMMENT:**

The suggestion was again made that the airport initiate a social media campaign. There was also reinforcement of the idea that those wanting to make specific comments or request technical information could contact their CACNR Representative instead of waiting for a meeting.

12. **NEXT MEETINGS:**

|                                |  |                                                         |
|--------------------------------|--|---------------------------------------------------------|
| A. <b>CACNR</b> – July 2023    |  | NO MEETING                                              |
| August 2, 2023                 |  | 6:30 p.m. 7565 S. Peoria Street, Unit 9D, Englewood, CO |
| September 6, 2023              |  | 6:30 p.m. 7565 S. Peoria Street, Unit 9D, Englewood, CO |
| October 4, 2023                |  | 6:30 p.m. 7565 S. Peoria Street, Unit 9D, Englewood, CO |
| November 1, 2023               |  | 6:30 p.m. 7565 S. Peoria Street, Unit 9D, Englewood, CO |
| December, 20223                |  | NO MEETING                                              |
| B. <b>ACPAA</b> – June 8, 2023 |  | 3:00 p.m. 7565 S. Peoria Street, Unit 9D, Englewood, CO |
| July 2023                      |  | NO MEETING                                              |
| August 10, 2023                |  | 3:00 p.m. 7565 S. Peoria Street, Unit 9D, Englewood, CO |
| September 14, 2023             |  | 3:00 p.m. 7565 S. Peoria Street, Unit 9D, Englewood, CO |
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| December 14, 2023              |  | 3:00 p.m. 7565 S. Peoria Street, Unit 9D, Englewood, CO |

13. **ADJOURNMENT:** The meeting was adjourned at 9:06 p.m.

Alison Biggs, Secretary

|                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                               |                |                                                                                                                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------|
| CENTENNIAL AIRPORT COMMUNITY NOISE ROUNDTABLE                                                                                                                                                                                                                                                                                                                                                              |  | 2023 BUDGET - Approved October 5, 2022; Updated as of 7/28/23 |                |                                                                                                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                            |  | BUDGET                                                        | ACTUAL         |                                                                                                                               |
| INCOME:                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                               | as of 07/28/23 | NOTES                                                                                                                         |
| CARRY OVER FROM PRIOR YEAR                                                                                                                                                                                                                                                                                                                                                                                 |  | \$ 23,000.00                                                  | \$23,791.15    | Carry over from 2022                                                                                                          |
| ACPAA                                                                                                                                                                                                                                                                                                                                                                                                      |  | \$ 10,000.00                                                  | \$10,000.00    |                                                                                                                               |
| CACNR REGULAR MEMBERS                                                                                                                                                                                                                                                                                                                                                                                      |  | \$ -                                                          |                | Members not invoiced for 2023 due to amount of carry over available                                                           |
| TOTAL INCOME:                                                                                                                                                                                                                                                                                                                                                                                              |  | \$ 33,000.00                                                  | \$33,791.15    |                                                                                                                               |
| EXPENDITURES:                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                               |                |                                                                                                                               |
| WORK PROGRAM:                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                               |                |                                                                                                                               |
| COMMUNITY OUTREACH                                                                                                                                                                                                                                                                                                                                                                                         |  | \$ 2,000                                                      |                | WebsiteUpdating and Maintenance                                                                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                            |  | \$ 5,000                                                      |                | MediaOutreach Project                                                                                                         |
| FLY QUIET                                                                                                                                                                                                                                                                                                                                                                                                  |  | \$ 1,000                                                      |                | Placeholder for Projects tbd                                                                                                  |
| NOISE MONITOR                                                                                                                                                                                                                                                                                                                                                                                              |  | \$ 1,000                                                      |                | Exploration of desired data and software for 2024                                                                             |
| EXECUTIVE/WORK PLAN                                                                                                                                                                                                                                                                                                                                                                                        |  | \$ 500                                                        |                | Orientation Manual, Annual Report                                                                                             |
| EDUCATION                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                               |                |                                                                                                                               |
| 2 Reps to UC Davis Symposium                                                                                                                                                                                                                                                                                                                                                                               |  | \$ 5,000                                                      | \$3,215.80     | Symposium to be at UC Davis; estimate based on prior symposiums                                                               |
| 2 Reps to 2 N.O.I.S.E. Conferences                                                                                                                                                                                                                                                                                                                                                                         |  | \$ 4,000                                                      |                | based on prior years on-site conferences                                                                                      |
| CONSULTATION/<br>TASK SUPPORT                                                                                                                                                                                                                                                                                                                                                                              |  | \$ 3,000                                                      |                | Projects with Jason Schwartz                                                                                                  |
| MEMBERSHIP DUES                                                                                                                                                                                                                                                                                                                                                                                            |  | \$ 1,000                                                      | \$1,000.00     | N.O.I.S.E.                                                                                                                    |
| ADMINISTRATIVE                                                                                                                                                                                                                                                                                                                                                                                             |  | \$ 1,000                                                      |                | Part time secretarial assistance                                                                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                            |  | \$ -                                                          |                | Legal                                                                                                                         |
| RESERVE                                                                                                                                                                                                                                                                                                                                                                                                    |  | \$ 9,500.00                                                   |                | for presently unidentified and unanticipated expenses and/or<br>work CACNR activities consistent with the approved Work Plan. |
| TOTAL EXPENDITURES:                                                                                                                                                                                                                                                                                                                                                                                        |  | \$ 33,000.00                                                  | \$4,215.80     |                                                                                                                               |
| CARRY OVER TO 2024                                                                                                                                                                                                                                                                                                                                                                                         |  | \$ -                                                          | \$29,575.35    | Actual to be determined at the end of 2023                                                                                    |
| ** Usually includes registration, travel, ground transportation, lodging, meals.                                                                                                                                                                                                                                                                                                                           |  |                                                               |                |                                                                                                                               |
| FRAME OF REFERENCE: The MOU Funding Structure adopted 12/13/2018 called for an initial two-year funding mechanism. "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." |  |                                                               |                |                                                                                                                               |

N.O.I.S.E.  
415 2nd St NE #210  
Washington, DC 20002  
202-378-7147  
emilyt@primacysg.com

Invoice

| BILL TO                                                                                       |
|-----------------------------------------------------------------------------------------------|
| Centennial Airport Community Roundtable<br>7800 S. Peoria St., Box G-1<br>Englewood, CO 80112 |

| INVOICE # | DATE       | TOTAL DUE  |  | TERMS          | ENCLOSED |
|-----------|------------|------------|--|----------------|----------|
| 1048      | 07/11/2023 | \$1,000.00 |  | Due on receipt |          |

| ACTIVITY              | DESCRIPTION                                                                                                                                                            | QTY | RATE     | AMOUNT   |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------|----------|
| N.O.I.S.E. Membership | Membership Dues 2023<br>Make Checks Payable to: N.O.I.S.E<br>Mail Payments to:<br>N.O.I.S.E<br>C/O Primacy Strategy Group<br>660 Transfer Road<br>Saint Paul, MN 55114 | 1   | 1,000.00 | 1,000.00 |

We appreciate your support!

BALANCE DUE

\$1,000.00

Make Checks Payable to: N.O.I.S.E  
Mail Payments to:  
N.O.I.S.E  
C/O Primacy Strategy Group  
660 Transfer Road  
Saint Paul, MN 55114



# **Centennial Airport Monthly Noise Report**



**17. May 2023**

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# 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.

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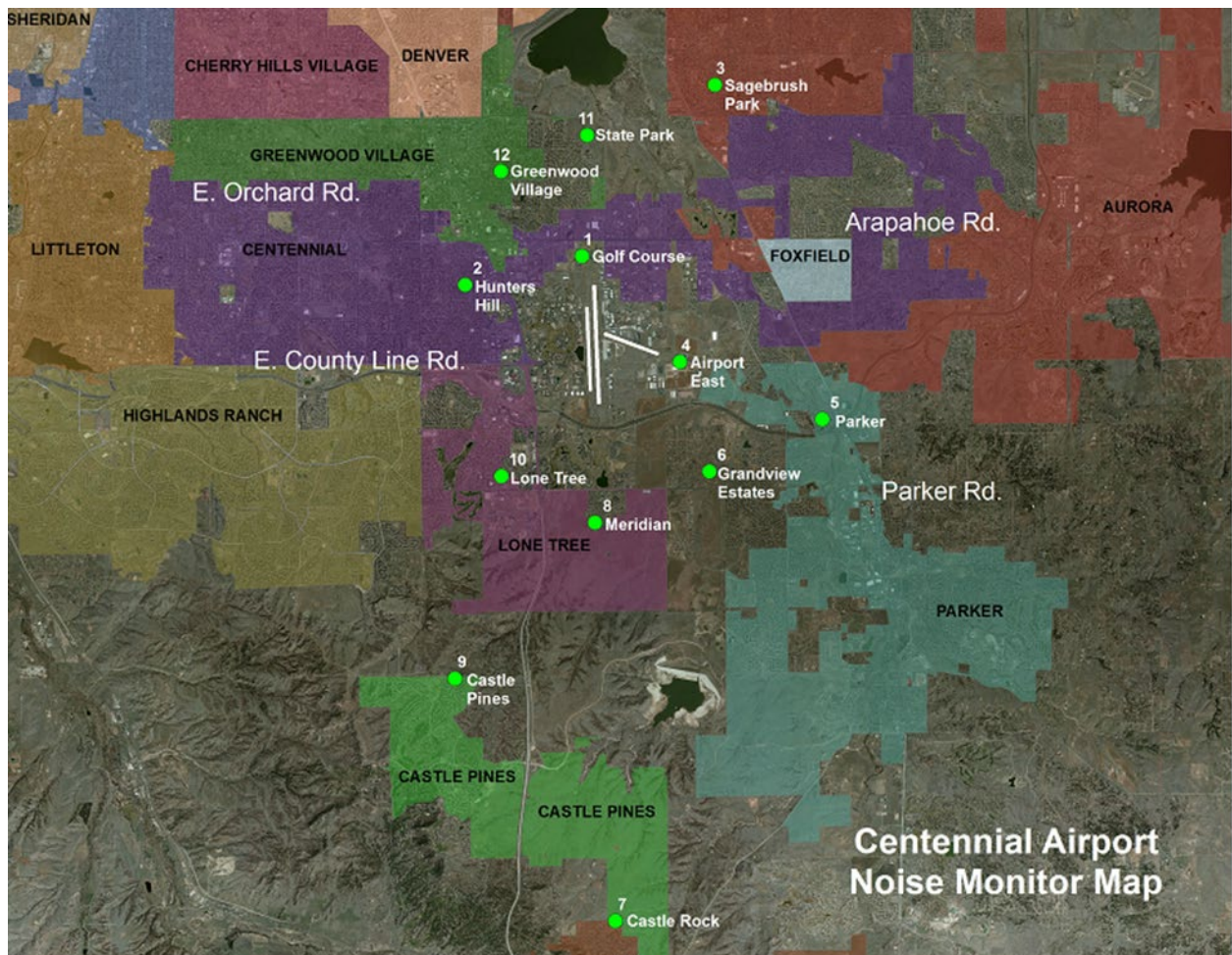
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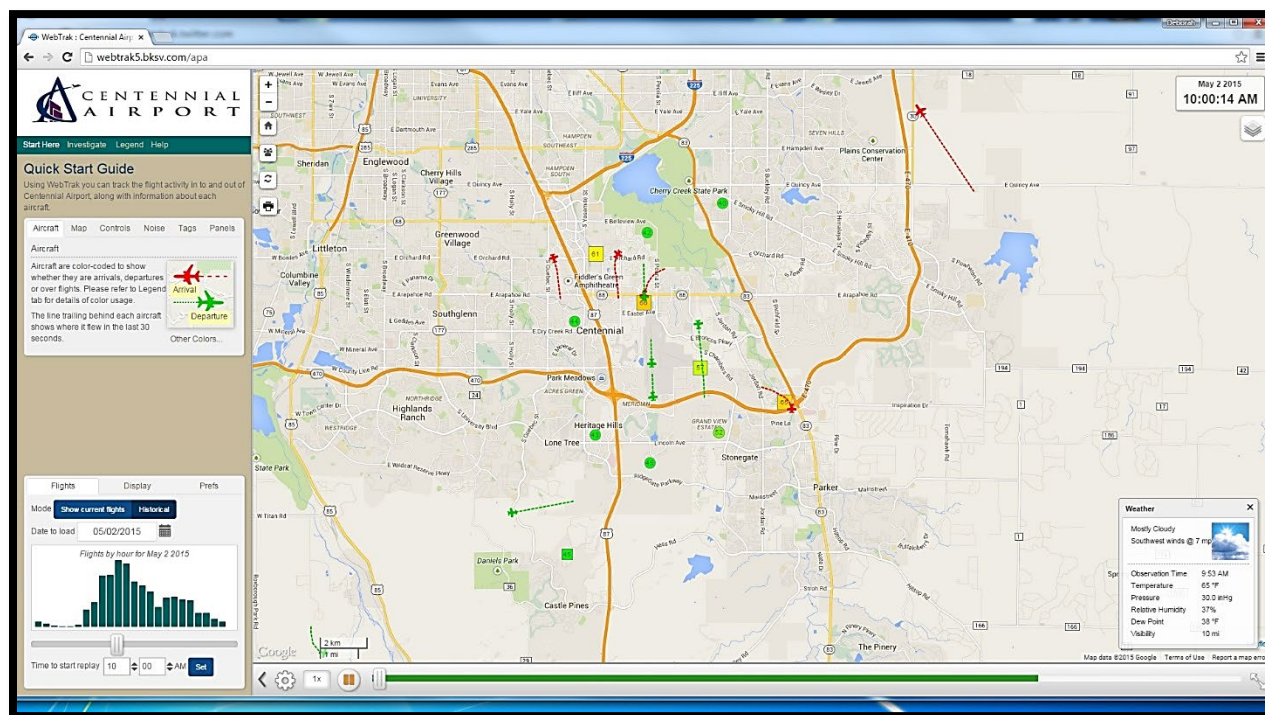
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## 4 ABOUT WEBTRAK™

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:

[https://webtrak.emsbk.com/apa?fbclid=IwAR1xnXwQ2sVwisSZ\\_szUAIHFtyYBNI\\_ZTACOI1PF7ZSH8PPbBxORnnaidUUE](https://webtrak.emsbk.com/apa?fbclid=IwAR1xnXwQ2sVwisSZ_szUAIHFtyYBNI_ZTACOI1PF7ZSH8PPbBxORnnaidUUE)

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      | 2,304         | 3,055  | 99       | 5,458            | 896           | 5,213  | 69       | 6,178  | 11,936 | 25       | 11,961      |
| February     | 2,180         | 2,883  | 123      | 5,186            | 1,046         | 5,388  | 85       | 6,519  | 12,426 | 20       | 12,446      |
| March        | 2,512         | 3,260  | 187      | 5,959            | 1,555         | 5,523  | 100      | 7,178  | 14,989 | 20       | 15,009      |
| April        | 2,152         | 2,693  | 144      | 4,989            | 1,616         | 6,550  | 137      | 8,303  | 16,940 | 40       | 16,980      |
| May          | 2,556         | 3,026  | 175      | 5,757            | 1,542         | 5,734  | 116      | 7,392  | 17,833 | 21       | 17,854      |
| June         |               |        |          | 0                |               |        |          | 0      |        |          | 0           |
| 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 | 11,704        | 14,917 | 728      | 27,349           | 6,655         | 28,408 | 507      | 35,570 | 74,124 | 126      | 74,250      |

|              | IFR OVERFLIGHTS |      |          |                  | VFR OVERFLIGHTS |      |          |       |              | TOTAL OPERATIONS |
|--------------|-----------------|------|----------|------------------|-----------------|------|----------|-------|--------------|------------------|
|              | AIR TAXI        | G.A. | MILITARY | TOTAL INTINERANT | AIR TAXI        | G.A. | MILITARY | TOTAL |              |                  |
| January      | 2               | 4    | 4        | 10               | 43              | 73   | 11       | 127   | January      | 23,734           |
| February     | 6               | 4    | 2        | 12               | 31              | 80   | 1        | 112   | February     | 24,275           |
| March        | 0               | 0    | 3        | 3                | 24              | 90   | 4        | 118   | March        | 28,267           |
| April        | 3               | 5    | 2        | 10               | 37              | 79   | 13       | 129   | April        | 30,411           |
| May          | 1               | 5    | 0        | 6                | 32              | 120  | 8        | 160   | May          | 31,169           |
| June         |                 |      |          | 0                |                 |      |          | 0     | June         |                  |
| 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 | 12              | 18   | 11       | 41               | 167             | 442  | 37       | 646   | Y-T-D Totals | 137,856          |

## 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

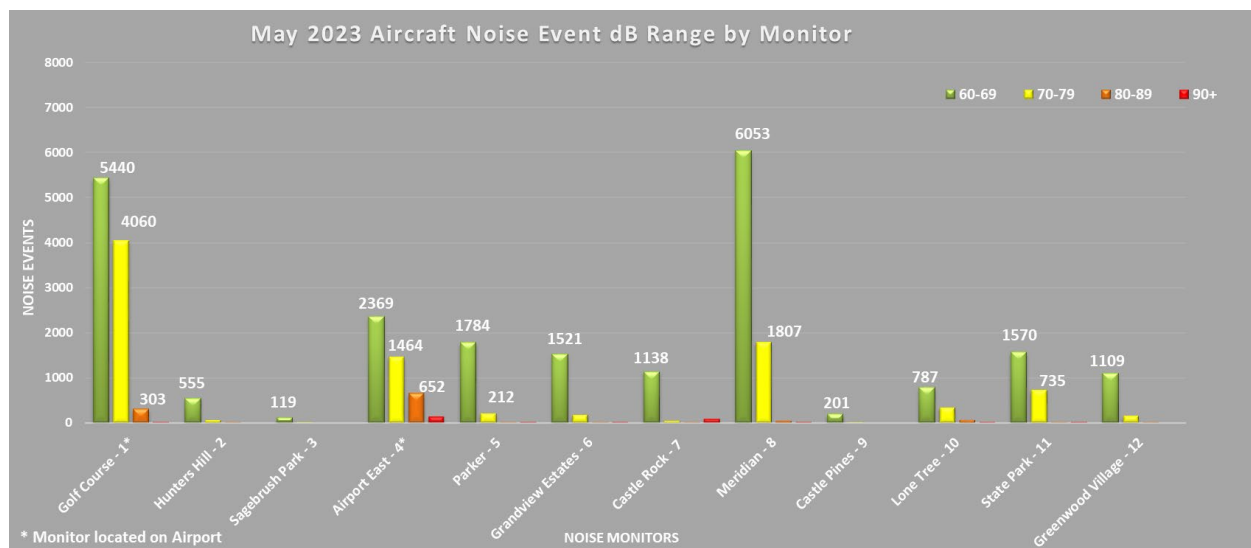
The following data displays the amount and associated decibel level of aircraft noise events at a given monitor. An aircraft noise event must contain the following characteristics:

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.

| May 2023 Aircraft Noise Event Decibel Range By Monitor |       |       |       |      |        |
|--------------------------------------------------------|-------|-------|-------|------|--------|
| Monitor                                                | 60-69 | 70-79 | 80-89 | 90+  | Totals |
| Golf Course- 1*                                        | 5440  | 4060  | 303   | 14   | 9817   |
| Hunters Hill- 2                                        | 555   | 67    | 1     | 0    | 623    |
| Sagebrush Park- 3                                      | 119   | 7     | 0     | 0    | 126    |
| Airport East- 4*                                       | 2369  | 1464  | 652   | 129  | 4614   |
| Parker- 5                                              | 1784  | 212   | 2     | 1    | 1999   |
| Grandview Estates- 6                                   | 1521  | 172   | 5     | 1    | 1699   |
| Castle Rock- 7                                         | 1138  | 54    | 7     | **76 | 1199   |
| Meridian- 8                                            | 6053  | 1807  | 48    | 6    | 7914   |
| Castle Pines- 9                                        | 201   | 22    | 0     | 0    | 223    |
| Lone Tree- 10                                          | 787   | 343   | 60    | 9    | 1199   |
| State Park- 11                                         | 1570  | 735   | 5     | 2    | 2312   |
| Greenwood Village- 12                                  | 1109  | 169   | 13    | 0    | 1291   |
| Totals                                                 | 22646 | 9112  | 1096  | 162  | 33016  |

\*Monitor located on Airport



\*\*Observed bird nesting/excessive chirping at Castle Rock noise monitor location that resulted in several 90+ dB noise events

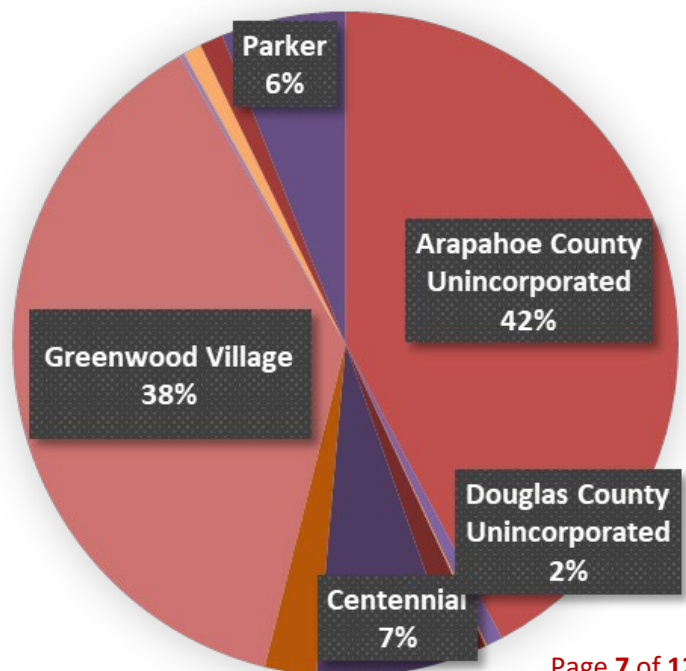
## 7 MAY 2023 NOISE COMPLAINT STATISTICS

In May, Centennial Airport received 1,239 complaints from 121 households.

| May Noise Complaints           |              |            | YTD          |            | Population       |
|--------------------------------|--------------|------------|--------------|------------|------------------|
| Municipality                   | Complaints   | Households | Complaints   | Households | Census 2020      |
| Arapahoe County Unincorporated | 523          | 53         | 1,716        | 95         | 98,066           |
| Aurora                         | 10           | 4          | 25           | 5          | 386,261          |
| Castle Pines                   | 1            | 1          | 3            | 2          | 11,036           |
| Castle Rock                    | 19           | 4          | 81           | 5          | 73,158           |
| Centennial                     | 84           | 4          | 325          | 7          | 108,418          |
| Cherry Hills Village           | 0            | 0          | 0            | 0          | 6,442            |
| Denver                         | 0            | 0          | 0            | 0          | 715,522          |
| Douglas County Unincorporated  | 31           | 8          | 127          | 10         | 276,493*         |
| Greenwood Village              | 468          | 31         | 1,297        | 52         | 15,691           |
| Highlands Ranch                | 3            | 2          | 10           | 3          | 103,444          |
| Lone Tree                      | 11           | 3          | 17           | 5          | 14,253           |
| Parker                         | 75           | 2          | 113          | 6          | 58,512           |
| Other                          | 14           | 9          | 59           | 18         | UNK              |
| <b>Total</b>                   | <b>1,239</b> | <b>121</b> | <b>3,773</b> | <b>208</b> | <b>1,867,296</b> |

\*Douglas County Unincorporated Population with Highlands Ranch Removed

Complaints per Municipality



| May 2023<br>Noise Complaint<br>Responses Completed |           |
|----------------------------------------------------|-----------|
| Email                                              | 56        |
| Phone                                              | 23        |
| <b>Total</b>                                       | <b>79</b> |

| Time Complaint Received          | May          |
|----------------------------------|--------------|
| Day Hours (7:00 am - 9:59pm)     | 1,168        |
| Night Hours (10:00 pm - 6:59 am) | 71           |
| <b>TOTAL</b>                     | <b>1,239</b> |

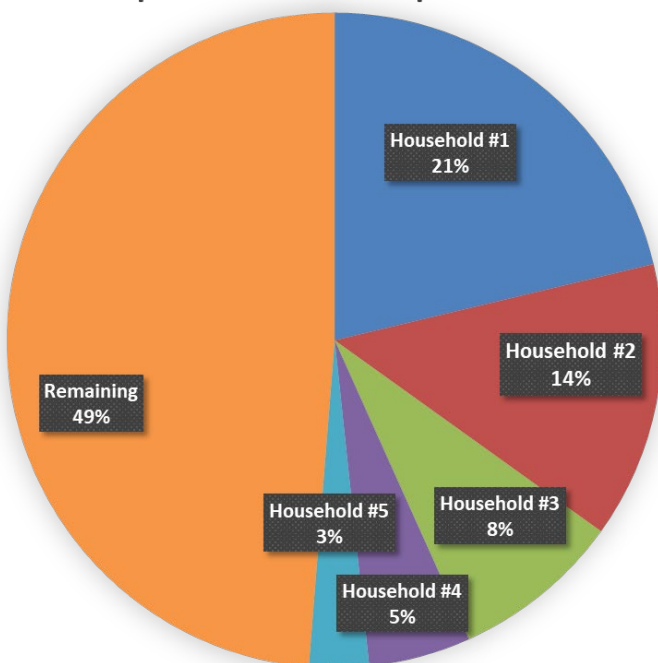
## Current 12 Month Trend



## Previous Year 13 Month Trend



## Top 5 Household Complaints YTD

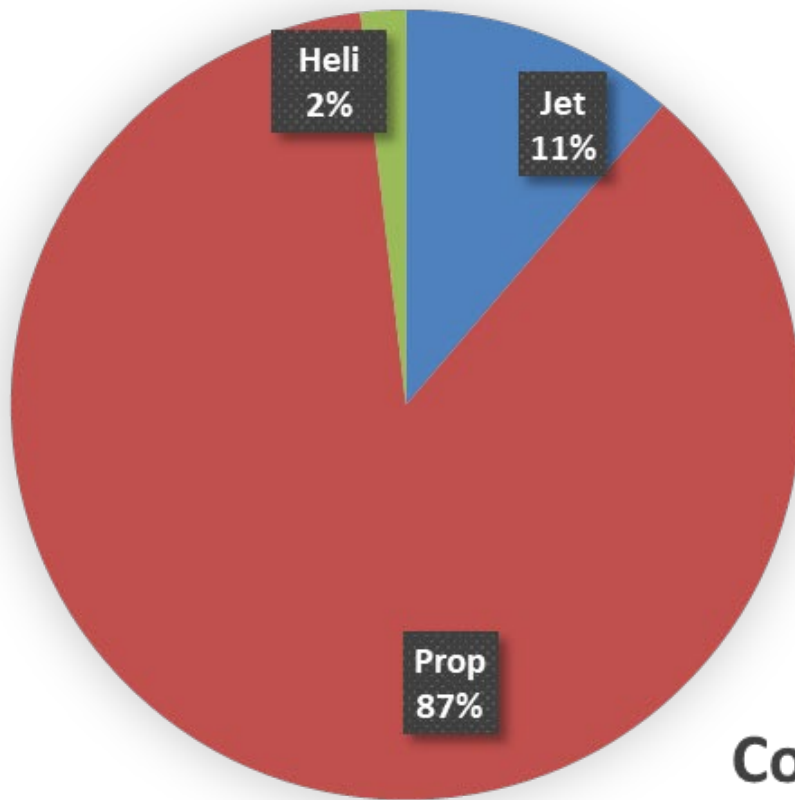


## Top 5 Household Complaints

| Household    | Complaints   | Households        |
|--------------|--------------|-------------------|
| Household #1 | 802          | Greenwood Village |
| Household #2 | 515          | Arapahoe County   |
| Household #3 | 316          | Centennial        |
| Household #4 | 190          | Arapahoe County   |
| Household #5 | 111          | Arapahoe County   |
| Remaining    | 1,839        |                   |
| <b>Total</b> | <b>3,773</b> |                   |

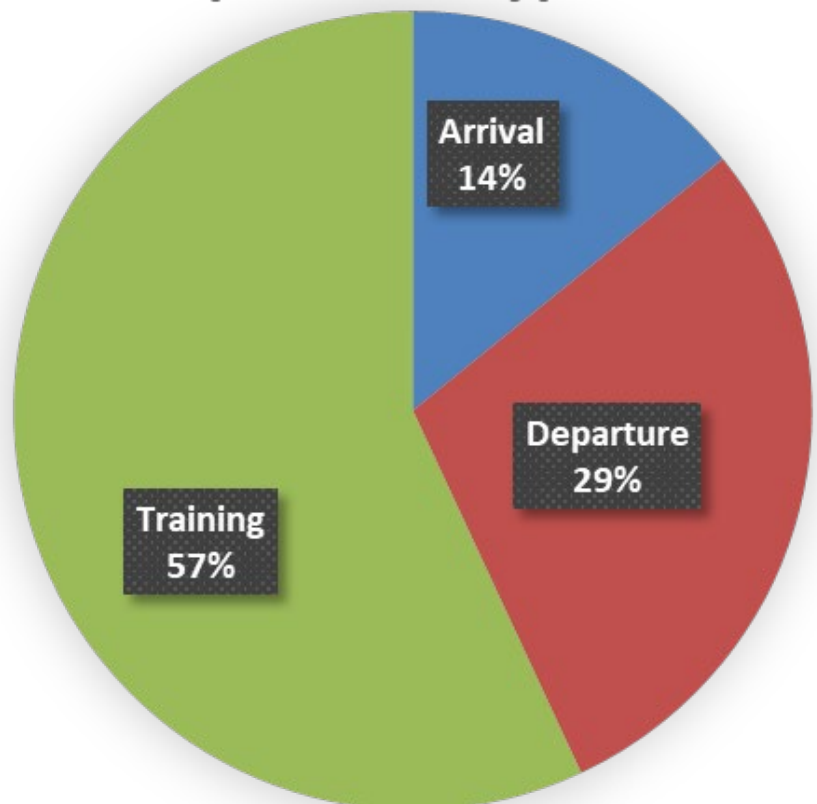
## Complaints by Aircraft Type

May 2023

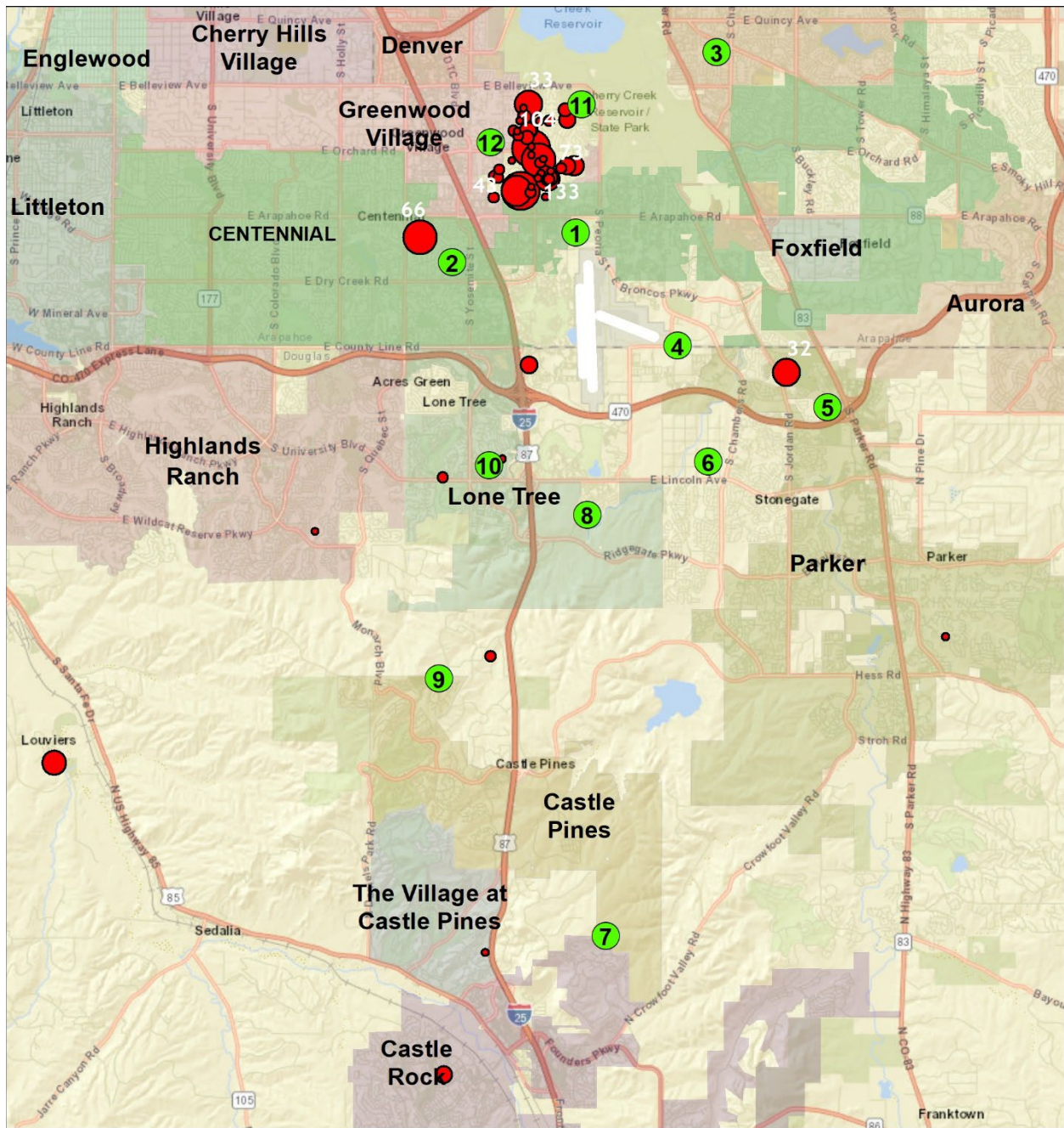


\*#1  
Household  
Removed

## Complaints by Operation Type



## 8 CENTENNIAL AIRPORT COMPLAINT MAP



May 2023 Complaints

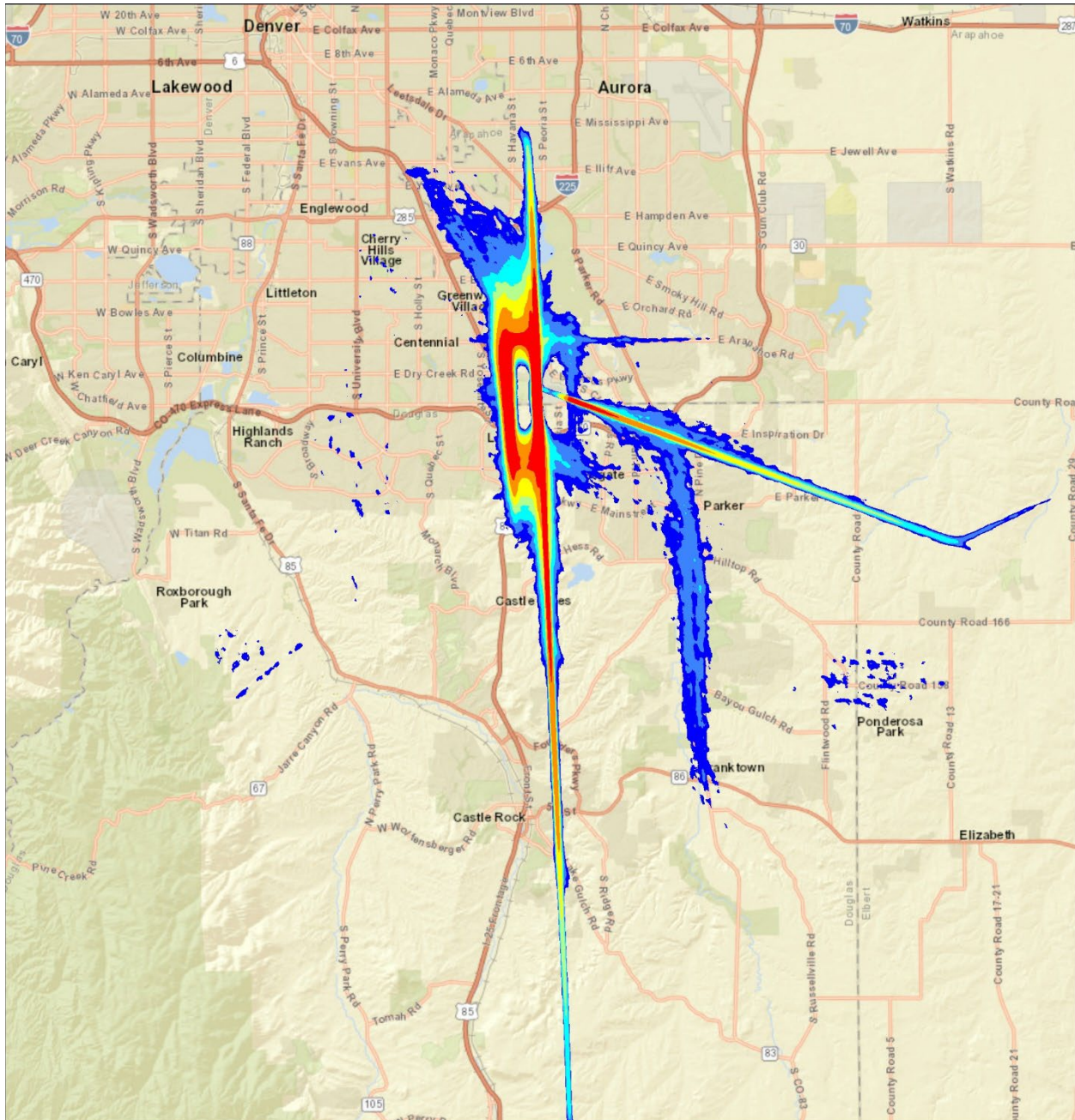


\*\*Larger dots equate to more complaints for that particular households

## 9 CENTENNIAL AIRPORT RADAR TRACK DENSITY MAP

The following maps take all of the flight track data for the given time period and create 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.

**May 2023 Flight Tracks associated with Centennial Airport**



Lower Density Traffic Higher Density Traffic

## 10 NOTES AND DISCLAIMER

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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

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# **Centennial Airport Monthly Noise Report**



**June 2023**

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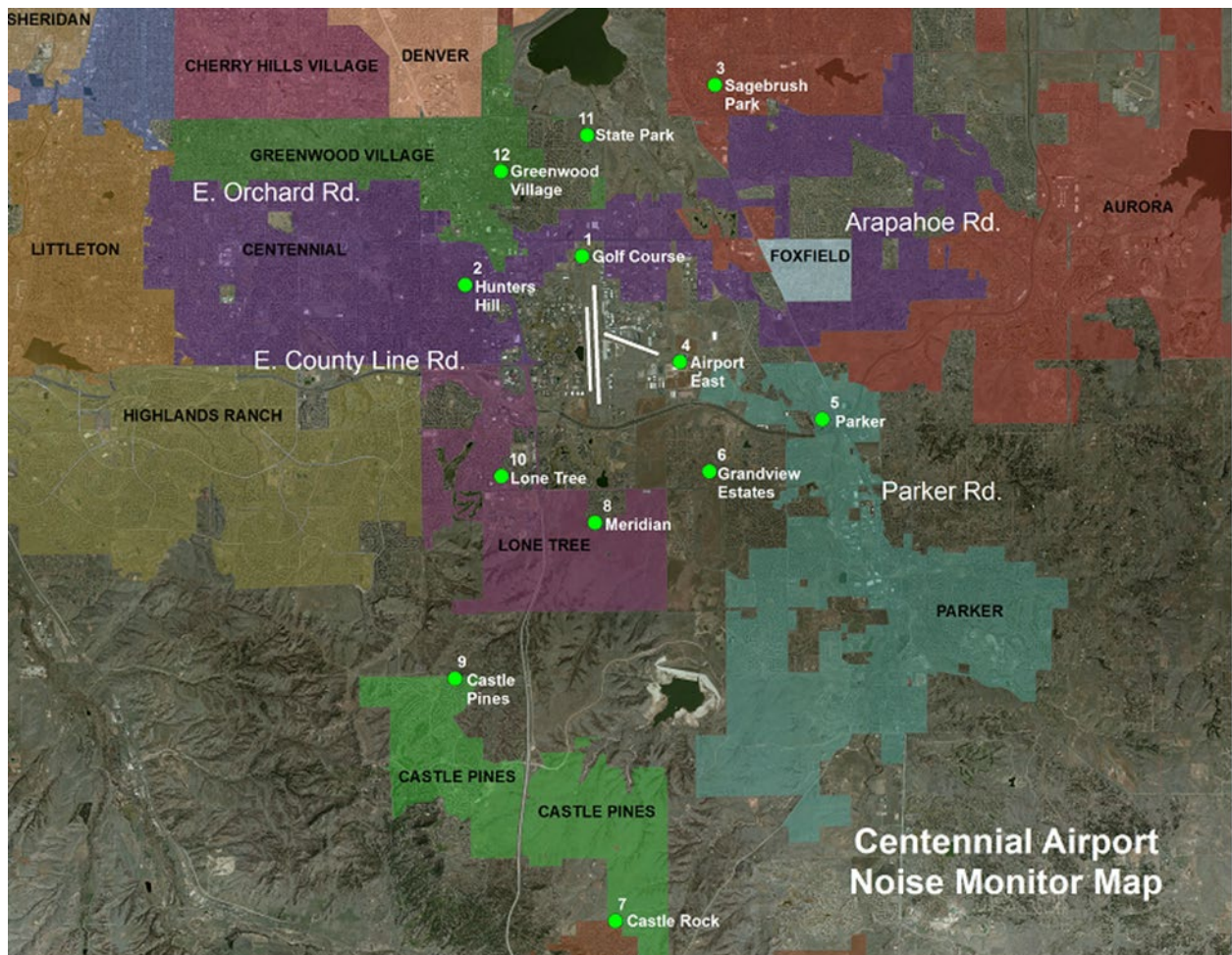
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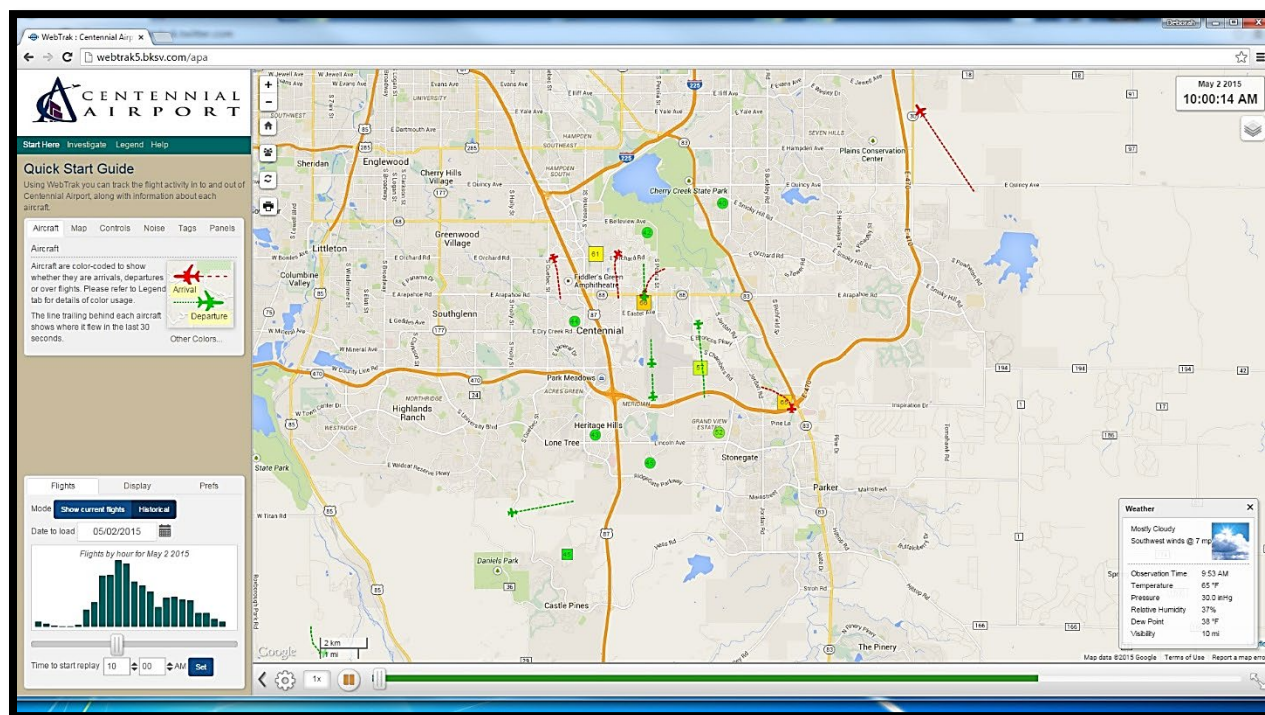
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| June         | 2,584         | 3,338  | 165      | 6,087            | 1,544         | 6,277  | 159      | 7,980  | 16,101 | 31       | 16,132      |
| July         |               |        |          | 0                |               |        |          | 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 | 14,288        | 18,255 | 893      | 33,436           | 8,199         | 34,685 | 666      | 43,550 | 90,225 | 157      | 90,382      |

|              | IFR OVERFLIGHTS |      |          |                  | VFR OVERFLIGHTS |      |          |       |              | TOTAL OPERATIONS |
|--------------|-----------------|------|----------|------------------|-----------------|------|----------|-------|--------------|------------------|
|              | AIR TAXI        | G.A. | MILITARY | TOTAL INTINERANT | AIR TAXI        | G.A. | MILITARY | TOTAL |              |                  |
| January      | 2               | 4    | 4        | 10               | 43              | 73   | 11       | 127   | January      | 23,734           |
| February     | 6               | 4    | 2        | 12               | 31              | 80   | 1        | 112   | February     | 24,275           |
| March        | 0               | 0    | 3        | 3                | 24              | 90   | 4        | 118   | March        | 28,267           |
| April        | 3               | 5    | 2        | 10               | 37              | 79   | 13       | 129   | April        | 30,411           |
| May          | 1               | 5    | 0        | 6                | 32              | 120  | 8        | 160   | May          | 31,169           |
| June         | 2               | 9    | 1        | 12               | 29              | 87   | 6        | 122   | June         | 30,333           |
| 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 | 14              | 27   | 12       | 53               | 196             | 529  | 43       | 768   | Y-T-D Totals | 168,189          |

## 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

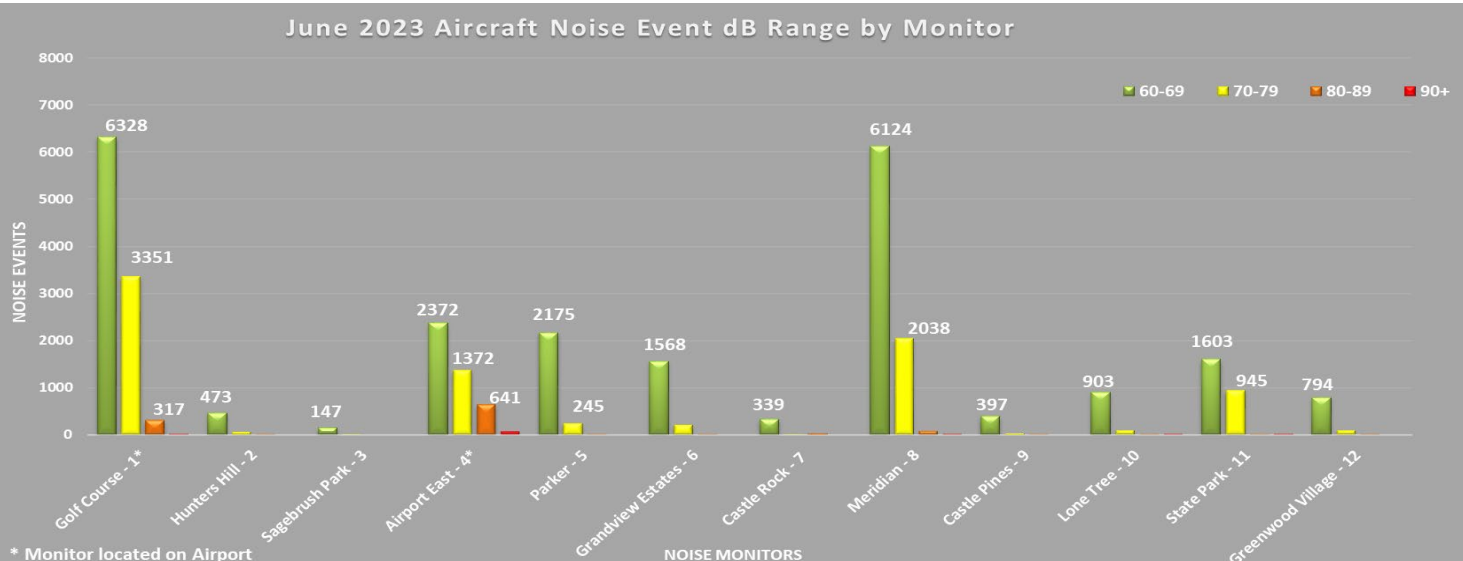
The following data displays the amount and associated decibel level of aircraft noise events at a given monitor. An aircraft noise event must contain the following characteristics:

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 2023 Aircraft Noise Event Decibel Range By Monitor |       |       |       |     |        |
|---------------------------------------------------------|-------|-------|-------|-----|--------|
| Monitor                                                 | 60-69 | 70-79 | 80-89 | 90+ | Totals |
| Golf Course- 1*                                         | 6328  | 3351  | 317   | 10  | 10006  |
| Hunters Hill- 2                                         | 473   | 58    | 6     | 0   | 537    |
| Sagebrush Park- 3                                       | 147   | 20    | 0     | 0   | 167    |
| Airport East- 4*                                        | 2372  | 1372  | 641   | 58  | 4443   |
| Parker- 5                                               | 2175  | 245   | 2     | 0   | 2422   |
| Grandview Estates- 6                                    | 1568  | 207   | 7     | 0   | 1782   |
| Castle Rock- 7                                          | 339   | 10    | 24    | 0   | 373    |
| Meridian- 8                                             | 6124  | 2038  | 86    | 6   | 8254   |
| Castle Pines- 9                                         | 397   | 26    | 1     | 0   | 424    |
| Lone Tree- 10                                           | 903   | 89    | 4     | 2   | 998    |
| State Park- 11                                          | 1603  | 945   | 9     | 3   | 2560   |
| Greenwood Village- 12                                   | 794   | 98    | 7     | 0   | 899    |
| Totals                                                  | 23223 | 8459  | 1104  | 79  | 32865  |

\*Monitor located on Airport



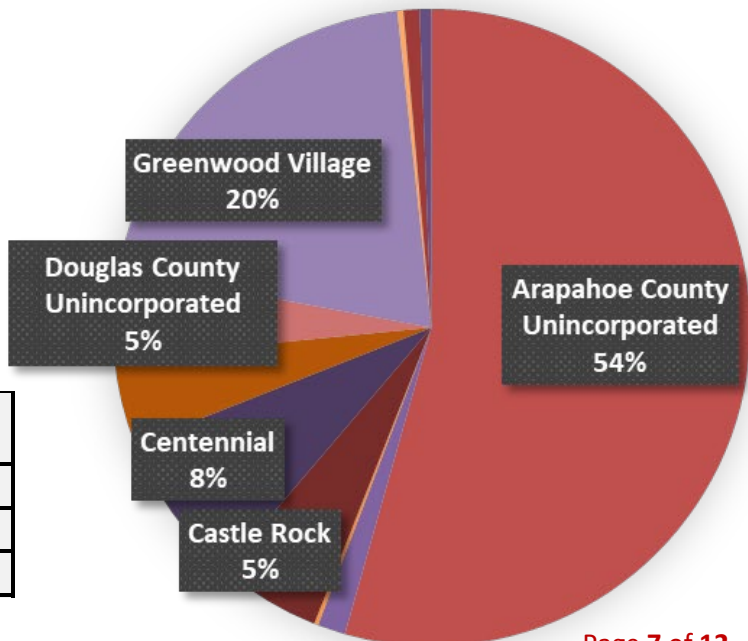
## 7 JUNE 2023 NOISE COMPLAINT STATISTICS

In June, Centennial Airport received 1,107 complaints from 137 households.

| June Noise Complaints          |              |            | YTD          |            | Population       |
|--------------------------------|--------------|------------|--------------|------------|------------------|
| Municipality                   | Complaints   | Households | Complaints   | Households | Census 2020      |
| Arapahoe County Unincorporated | 539          | 69         | 2255         | 126        | 98,066           |
| Aurora                         | 14           | 6          | 39           | 8          | 386,261          |
| Castle Pines                   | 2            | 2          | 5            | 3          | 11,036           |
| Castle Rock                    | 52           | 4          | 133          | 6          | 73,158           |
| Centennial                     | 77           | 5          | 402          | 9          | 108,418          |
| Cherry Hills Village           | 0            | 0          | 0            | 0          | 6,442            |
| Denver                         | 44           | 3          | 44           | 3          | 715,522          |
| Douglas County Unincorporated  | 44           | 11         | 171          | 13         | 276,493*         |
| Greenwood Village              | 202          | 22         | 1499         | 58         | 15,691           |
| Highlands Ranch                | 3            | 3          | 13           | 5          | 103,444          |
| Lone Tree                      | 8            | 5          | 25           | 9          | 14,253           |
| Parker                         | 116          | 5          | 229          | 9          | 58,512           |
| Other                          | 6            | 4          | 65           | 20         | UNK              |
| <b>Total</b>                   | <b>1,107</b> | <b>137</b> | <b>4,880</b> | <b>269</b> | <b>1,867,296</b> |

\*Douglas County Unincorporated Population with Highlands Ranch Removed

Complaints per Municipality



| June 2023<br>Noise Complaint<br>Responses Completed |           |
|-----------------------------------------------------|-----------|
| Email                                               | 80        |
| Phone                                               | 8         |
| <b>Total</b>                                        | <b>88</b> |

| Time Complaint Received          | June         |
|----------------------------------|--------------|
| Day Hours (7:00 am - 9:59pm)     | 917          |
| Night Hours (10:00 pm - 6:59 am) | 190          |
| <b>TOTAL</b>                     | <b>1,107</b> |

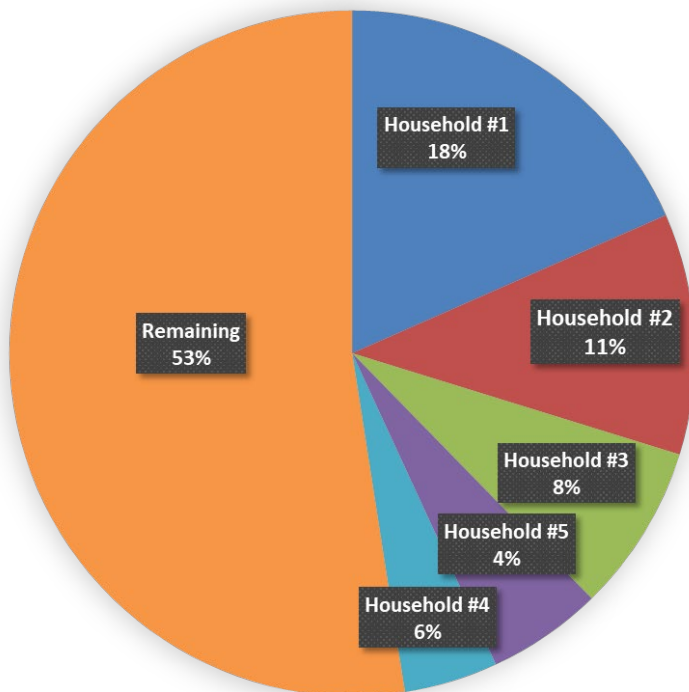
## Current 12 Month Trend



## Previous Year 13 Month Trend

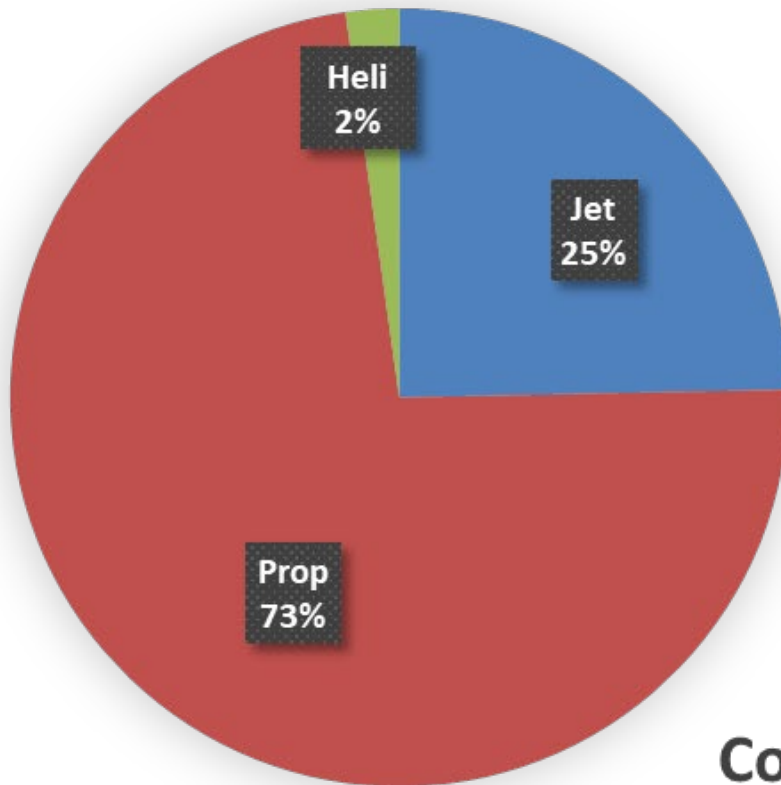


## Top 5 Household Complaints YTD



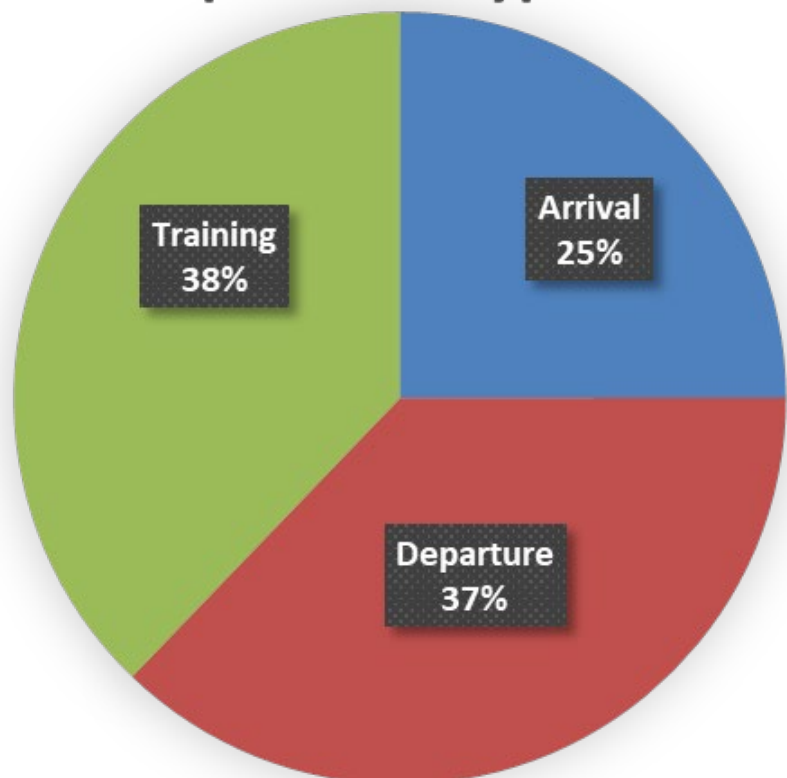
| Top 5 Household Complaints |              |                   |
|----------------------------|--------------|-------------------|
| Household                  | Complaints   | Households        |
| Household #1               | 898          | Greenwood Village |
| Household #2               | 555          | Arapahoe County   |
| Household #3               | 386          | Centennial        |
| Household #4               | 265          | Arapahoe County   |
| Household #5               | 216          | Parker            |
| Remaining                  | 2,560        |                   |
| <b>Total</b>               | <b>4,880</b> |                   |

## Complaints by Aircraft Type

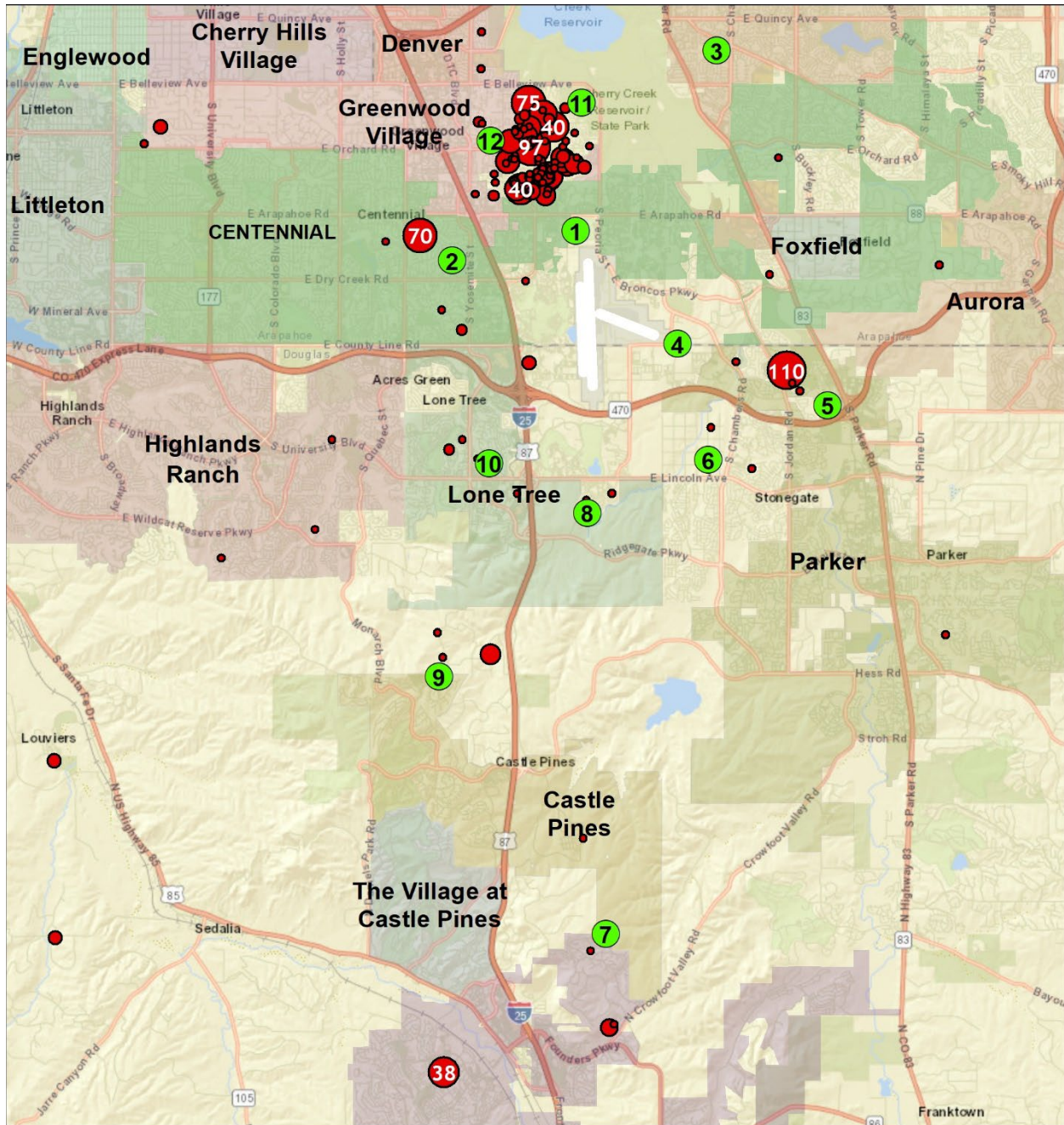


\*#1  
Household  
Removed

## Complaints by Operation Type



## 8 CENTENNIAL AIRPORT COMPLAINT MAP



### June 2023 Complaints

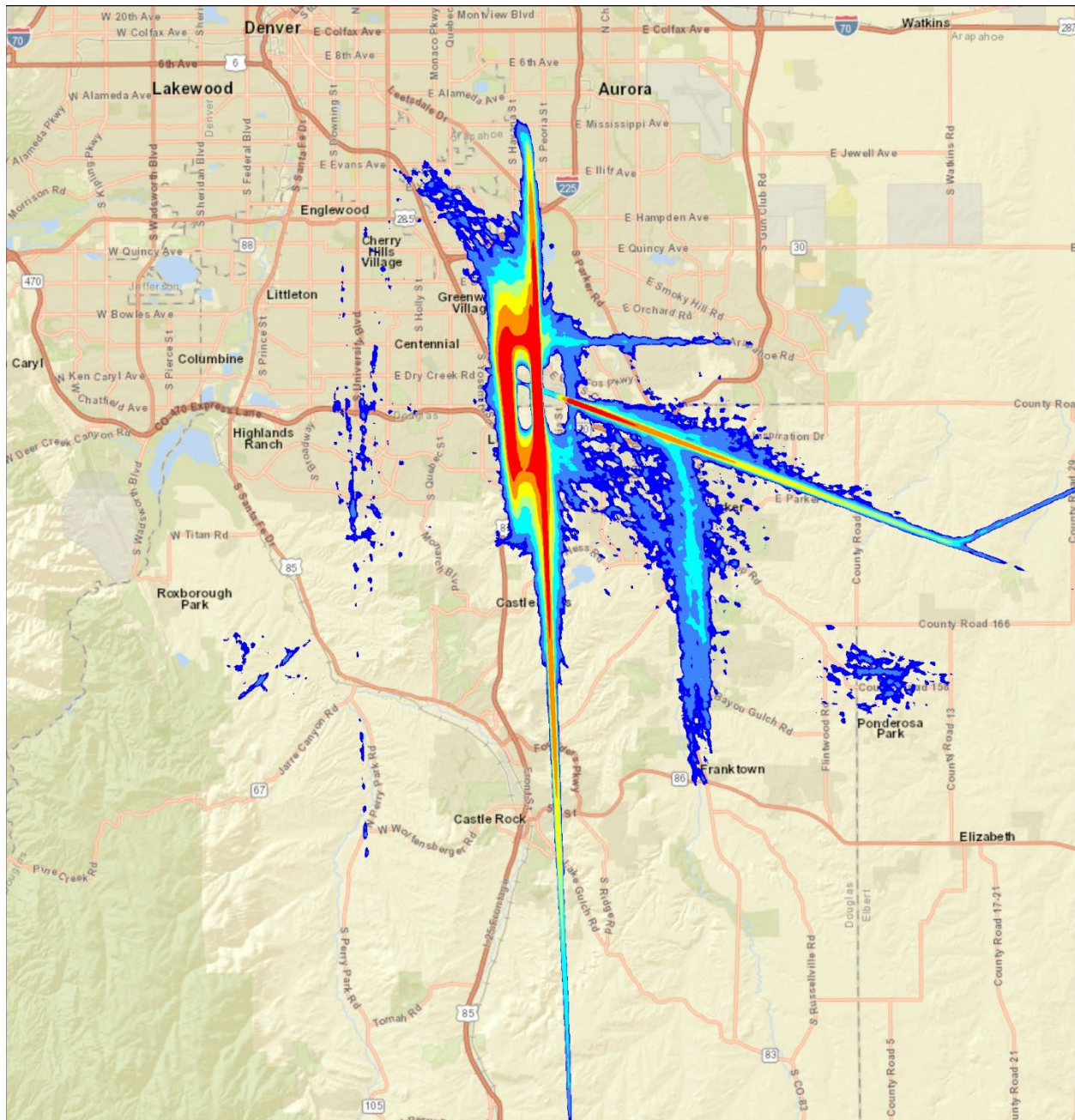


\*\*Larger dots equate to more complaints for that particular households

## 9 CENTENNIAL AIRPORT RADAR TRACK DENSITY MAP

The following maps take all of the flight track data for the given time period and create 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 2023 Flight Tracks associated with Centennial Airport**



Lower Density Traffic Higher Density Traffic

## 10 NOTES AND DISCLAIMER

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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](http://www.centennialairport.com)

## **CACNR/ACPAA 2023 MEETING SCHEDULES**

### **CACNR REPRESENTATIVES TO 2023 MEETINGS OF THE ARAPAHOE COUNTY PUBLIC AIRPORT AUTHORITY**

CACNR meets at 6:30 p.m., 7565 South Peoria Street, Englewood, CO 80112

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

| <b><u>CACNR MEETINGS</u></b>        | <b><u>CACNR REPRESENTATIVE</u></b> | <b><u>REPORT DUE DATE</u></b> | <b><u>ACPAA MEETINGS</u></b>             |
|-------------------------------------|------------------------------------|-------------------------------|------------------------------------------|
| (To sblymyer@centennialairport.com) |                                    |                               |                                          |
| January 04                          | -----                              | combines with February report | NO ACPAA MEETING                         |
| February 01                         | Donna Johnston                     | February 03                   | February 09                              |
| March 01                            | Bill Wasmund                       | March 10                      | March 16 (note 3 <sup>rd</sup> Thursday) |
| April 05                            | Chris Eubanks                      | April 07                      | April 13                                 |
| May 03                              | Andy Jones                         | May 05                        | May 11                                   |
| June 07                             | Andy Jones                         | June 07/08, or verbal         | June 08                                  |
| July 05 - NO CACNR MEETING          | ---                                | ----                          | NO ACPAA MEETING                         |
| August 02                           |                                    | August 04                     | August 10                                |
| September 06                        |                                    | September 08                  | September 14                             |
| October 04                          |                                    | October 06                    | October 12                               |
| November 01                         |                                    | November 03                   | November 09                              |
| Dec 06 – NO CACNR MEETING           | ---                                | ---                           | December 14                              |

Dear Friend,

I am committed to improving the quality of life for Coloradans by advocating for our community on federal issues that impact our region. Many of you who have expressed concerns about the **noise level and environmental and health impacts of the airports in our district.**

The House just **passed the Federal Aviation Administration (FAA) Reauthorization Act of 2023 with specific measures that I and my colleagues on the Quiet Skies Caucus fought to include in response to the concerns of families underneath the flight paths at Centennial Airport** and other major aviation hubs across the United States.

When the bill came to the floor, myself and other members of the Congressional Quiet Skies Caucus **worked to strengthen the noise provisions in the bill further.** I offered an amendment to strengthen the bill's new Community Aircraft Noise Exposure Reduction requirements by eliminating the economic efficiency loophole. While the current leadership in the House of Representatives refused to support my amendment and over a dozen others offered by the Congressional Quiet Skies Caucus, we successfully added on the House floor new requirements on the FAA to solicit feedback and engage directly with communities impacted by aircraft noise.

As a result, the FAA reauthorization will:

- Direct the FAA to work with airports and neighboring communities to modify routes to mitigate aircraft noise;
- Establish an Aviation Noise Officer tasked with working directly with the public to assess and address aviation noise faced by average Americans;
- Establish an airport community task force to engage communities impacted by airport development;
- Establish a Community Collaboration Program within the FAA to facilitate community engagement in revising and creating new FAA policies; and
- Require the FAA to include the concerns of individuals living in overflight communities as part of the Part 150 Noise Standard Update.

While these are victories for our community, more work is needed to build on our efforts to ensure proper oversight of the FAA, address community health and safety concerns related to the aviation industry, and increase the presence and responsiveness of FAA community representatives.

I will continue working to quiet the skies and improve and protect the quality of life in Colorado.

Best,

A handwritten signature in black ink, appearing to read 'Jason', followed by a long horizontal stroke.

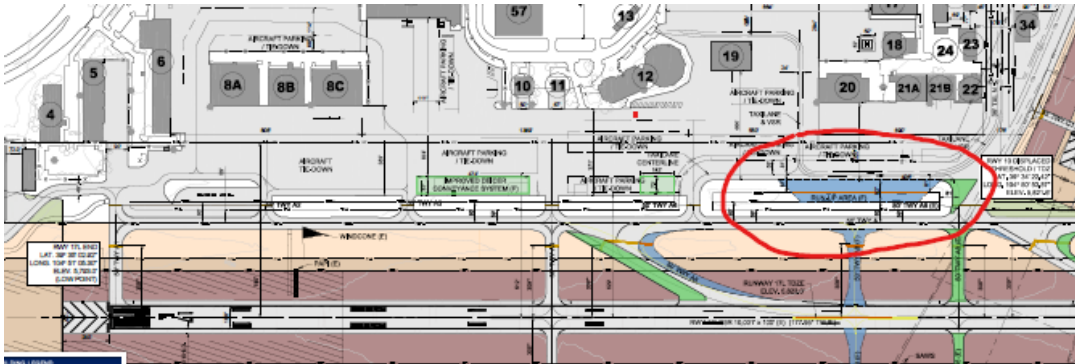
Jason Crow  
Colorado's 6th Congressional District

## Fly Quiet Committee – July 2023 Monthly Report

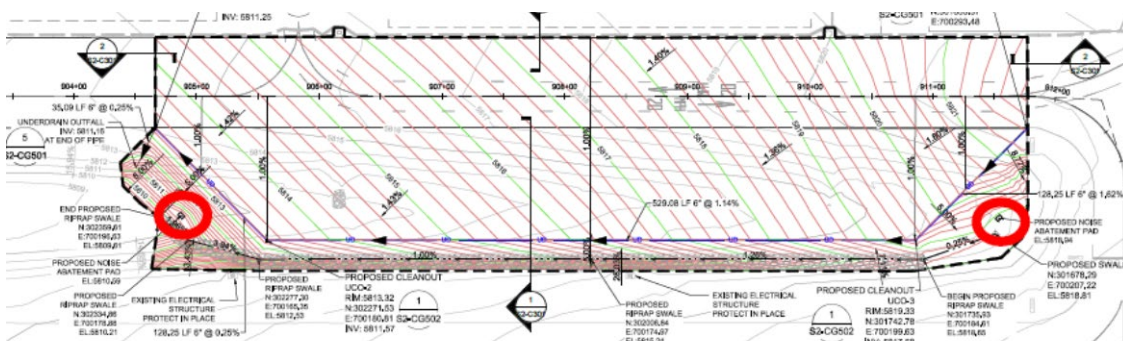
- Additional Noise Abatement Signage :** Placement of two additional noise abatement signs located at new aircraft run-up area between A6 and A8 have been approved by ACPAA. The signs designed by the Fly Quiet Committee in conjunction with ACPAA will be placed on the north and south sides of the new run-up area that opened July 19th.



## New Run-Up Area - Airport Location



## New Run-Up Area - Noise Abatement Sign Locations





# Neighborhood Noise Report

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|                      |                                   |                        |                                      |
|----------------------|-----------------------------------|------------------------|--------------------------------------|
| <b>Event Date:</b>   | 10/14/22 – 11/29/22 (47 days)     | <b>Start/End Time:</b> | Oct. 14 12:00 AM<br>Nov. 29 11:59 PM |
| <b>Location:</b>     | Louviers CO 80131                 |                        |                                      |
| <b>Weather Data:</b> | <b>Average Temperature</b><br>N/A |                        |                                      |

|                      |             |                                                                                                                                                                                          |
|----------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Aircraft DNL</b>  | <b>29.4</b> | The 24-hour <b>average</b> sound level of <b>aircraft</b> with a 10dB penalty for nighttime noise events. (This average excludes 5 days of data where aircraft DNL was 0 due to weather) |
| <b>Community DNL</b> | <b>49.2</b> | The 24-hour <b>average</b> sound level of the <b>community</b> with a 10dB penalty for nighttime noise events                                                                            |

**Centennial Airport-associated aircraft flight paths within 1 mile of portable for duration of Portable Noise Monitor stay (47 days)**

Props: 513

Jets: 257

Heli: 4

Unknown: 5

Total: 779

|                                   |             |                                                                                       |
|-----------------------------------|-------------|---------------------------------------------------------------------------------------|
| <b>Total DNL</b>                  | <b>49.4</b> | The 24-hour <b>average</b> sound level with a 10dB penalty for nighttime noise events |
| <b>Average Aircraft LMax (dB)</b> | <b>65.6</b> | The peak noise level for a single aircraft noise event.                               |

**Centennial Airport Aircraft Noise Events at portable**

104

**Non-Centennial Airport Aircraft Noise Events at portable**

46

**Total Aircraft Noise Events at portable**

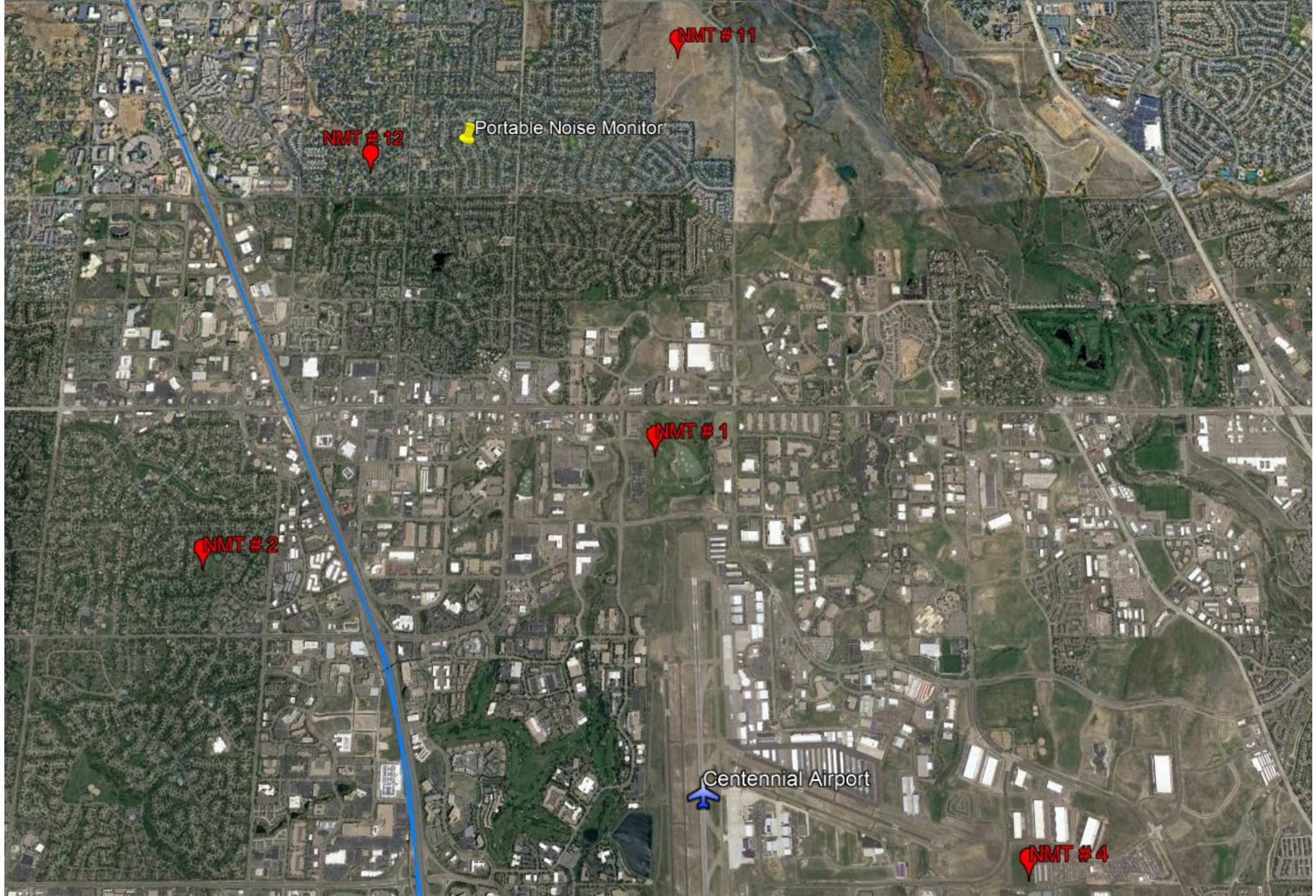
150

**Total Community Noise Events at portable**

Total: 1,660



# Portable Noise Monitor Report – Greenwood Village



NMT #11

NMT #12

Portable Noise Monitor

NMT #1

NMT #2

Centennial Airport

NMT #4

January Data  
1/6/23 – 2/5/23 (31 days)

|                      |             |                                                                                                                                                                                          |
|----------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Aircraft DNL</b>  | <b>42.4</b> | The 24-hour <b>average</b> sound level of <b>aircraft</b> with a 10dB penalty for nighttime noise events. (This average excludes 5 days of data where aircraft DNL was 0 due to weather) |
| <b>Community DNL</b> | <b>48.9</b> | The 24-hour <b>average</b> sound level of the <b>community</b> with a 10dB penalty for nighttime noise events                                                                            |

**Centennial Airport-associated aircraft flight paths within 1 mile of Portable Monitor for duration of Portable Noise Monitor stay (31 days)**

Props: 2,415

Jets: 942

Heli: 28

Unknown: 323

Total: 3,708

|                                   |             |                                                                                       |
|-----------------------------------|-------------|---------------------------------------------------------------------------------------|
| <b>Total DNL</b>                  | <b>50.1</b> | The 24-hour <b>average</b> sound level with a 10dB penalty for nighttime noise events |
| <b>Average Aircraft LMax (dB)</b> | <b>65.2</b> | The peak noise level for a single aircraft noise event.                               |

**Centennial Airport Aircraft Noise Events at Portable Monitor**

830

**Non-Centennial Airport Aircraft Noise Events at Portable Monitor**

22

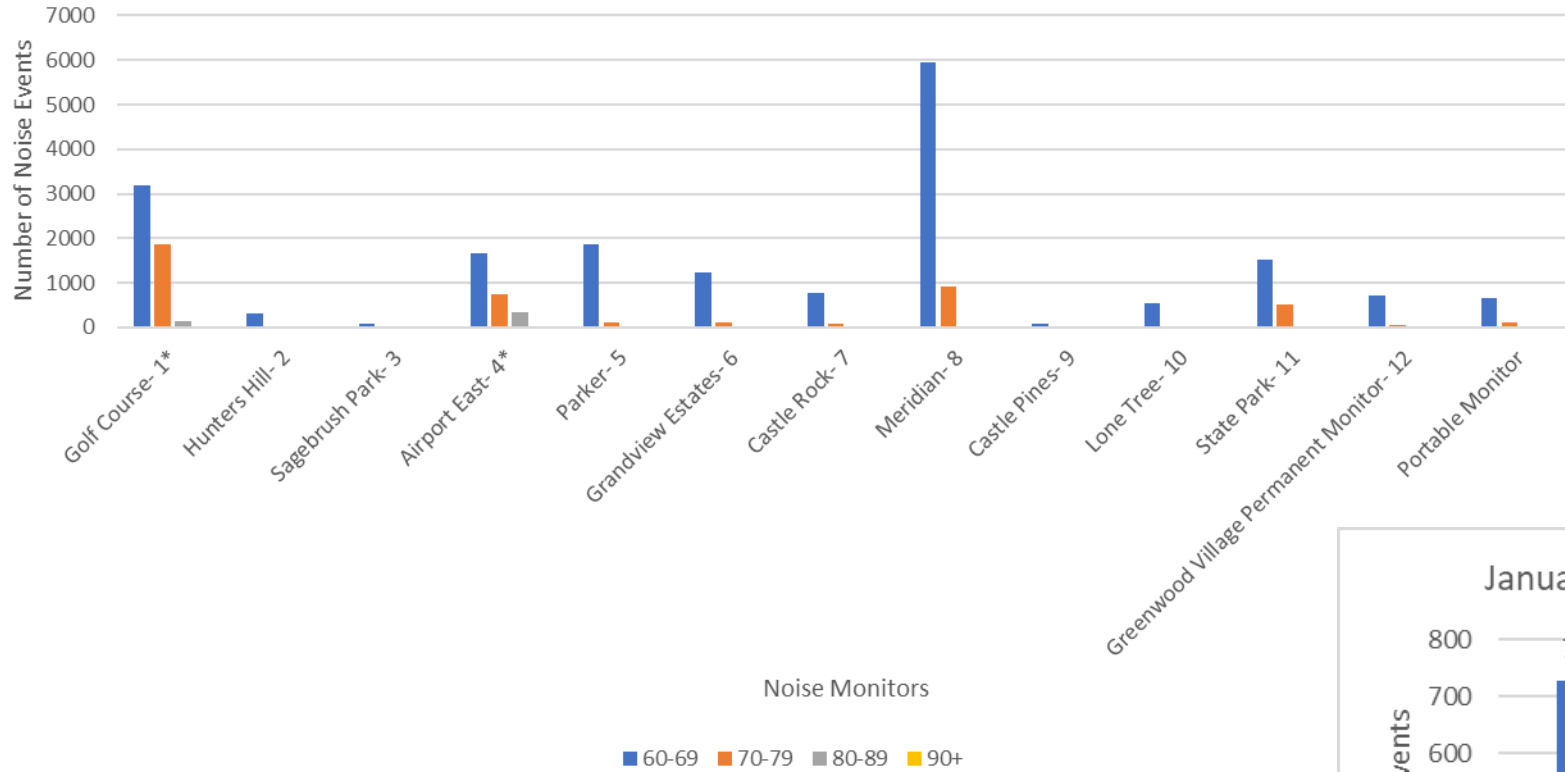
**Total Aircraft Noise Events at Portable Monitor**

852

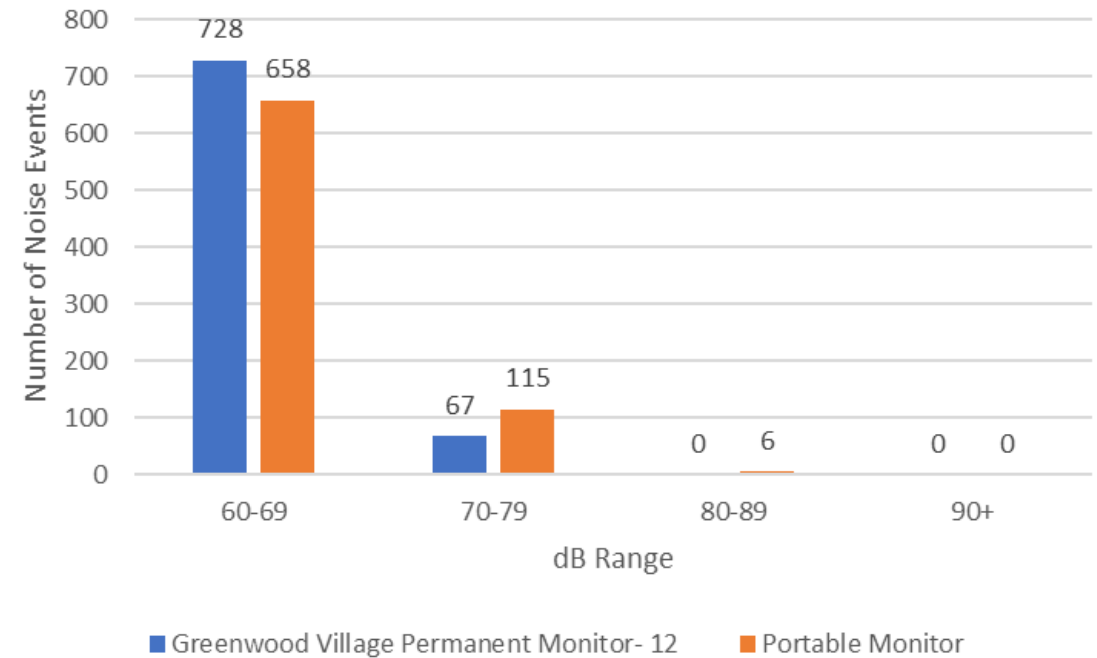
**Total Community Noise Events at Portable Monitor**

Total: 169

January 2023 Aircraft Noise Event dB Range by Monitor



January 2023 Aircraft Noise Event dB Range by Monitor



February Data  
2/6/23 – 3/7/23 (30 days)

|                      |              |                                                                                                                                                                                          |
|----------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Aircraft DNL</b>  | <b>43.41</b> | The 24-hour <b>average</b> sound level of <b>aircraft</b> with a 10dB penalty for nighttime noise events. (This average excludes 5 days of data where aircraft DNL was 0 due to weather) |
| <b>Community DNL</b> | <b>49.5</b>  | The 24-hour <b>average</b> sound level of the <b>community</b> with a 10dB penalty for nighttime noise events                                                                            |

**Centennial Airport-associated aircraft flight paths within 1 mile of Portable Monitor for duration of Portable Noise Monitor stay (30 days)**

Props: 1850

Jets: 1077

Heli: 27

Unknown: 348

Total: 3302

|                                              |             |                                                                                       |
|----------------------------------------------|-------------|---------------------------------------------------------------------------------------|
| <b>Total DNL</b>                             | <b>51.0</b> | The 24-hour <b>average</b> sound level with a 10dB penalty for nighttime noise events |
| <b>Average Aircraft L<sub>Max</sub> (dB)</b> | <b>65.9</b> | The peak noise level for a single aircraft noise event.                               |

**Centennial Airport Aircraft Noise Events at Portable Monitor**

889

**Non-Centennial Airport Aircraft Noise Events at Portable Monitor**

30

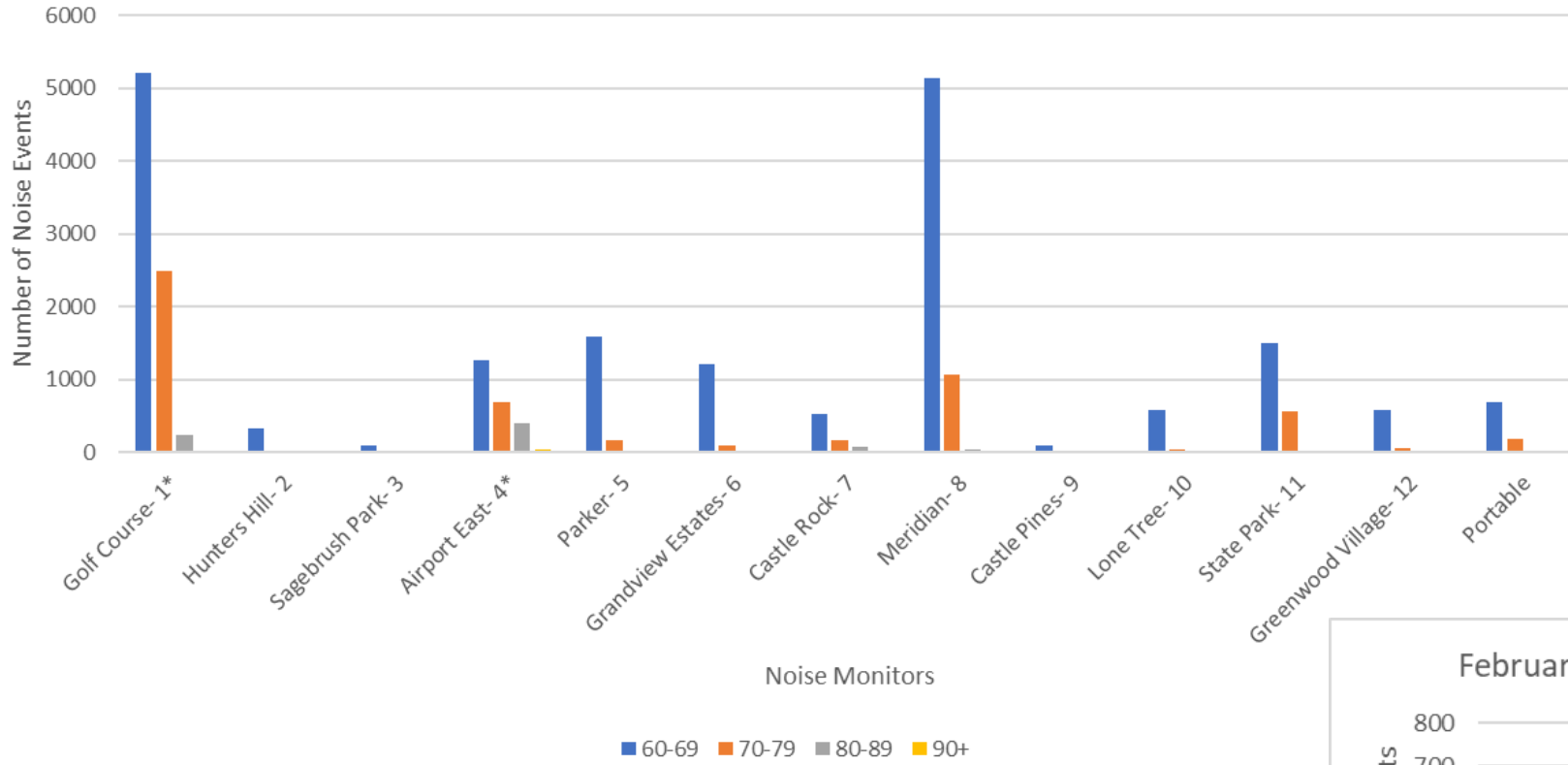
**Total Aircraft Noise Events at Portable Monitor**

919

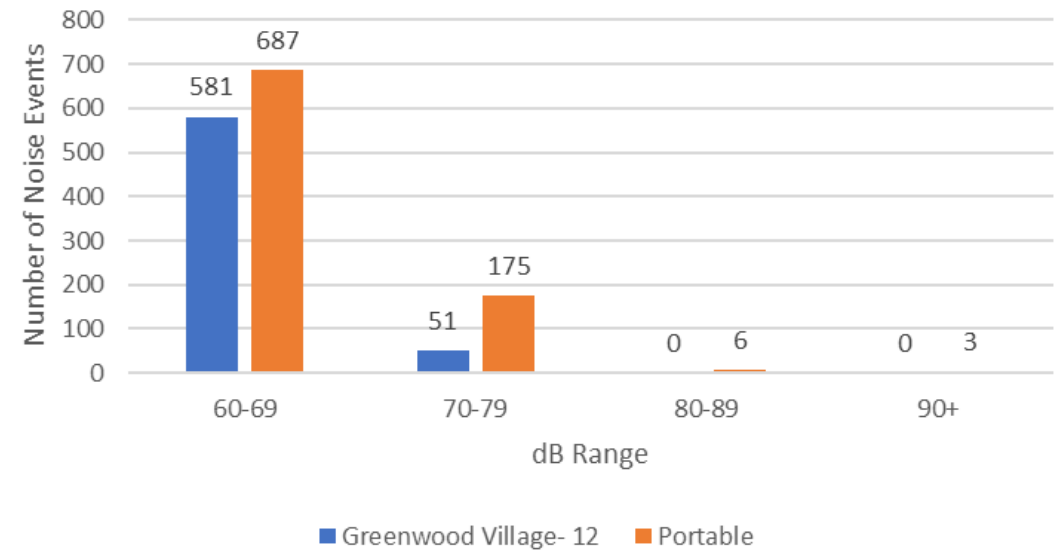
**Total Community Noise Events at Portable Monitor**

Total: 188

February 2023 Aircraft Noise Event dB Range by Monitor



February 2023 Aircraft Noise Event dB Range by Monitor



March Data  
3/8/23 – 4/7/23 (31 days)

|                      |             |                                                                                                                                                                                          |
|----------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Aircraft DNL</b>  | <b>44.0</b> | The 24-hour <b>average</b> sound level of <b>aircraft</b> with a 10dB penalty for nighttime noise events. (This average excludes 5 days of data where aircraft DNL was 0 due to weather) |
| <b>Community DNL</b> | <b>49.4</b> | The 24-hour <b>average</b> sound level of the <b>community</b> with a 10dB penalty for nighttime noise events                                                                            |

**Centennial Airport-associated aircraft flight paths within 1 mile of Portable Monitor for duration of Portable Noise Monitor stay (31 days)**

Props: 2361

Jets: 990

Heli: 33

Unknown: 381

Total: 3765

|                                   |             |                                                                                       |
|-----------------------------------|-------------|---------------------------------------------------------------------------------------|
| <b>Total DNL</b>                  | <b>50.8</b> | The 24-hour <b>average</b> sound level with a 10dB penalty for nighttime noise events |
| <b>Average Aircraft LMax (dB)</b> | <b>65.6</b> | The peak noise level for a single aircraft noise event.                               |

**Centennial Airport Aircraft Noise Events at Portable Monitor**

1115

**Non-Centennial Airport Aircraft Noise Events at Portable Monitor**

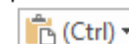
38

**Total Aircraft Noise Events at Portable Monitor**

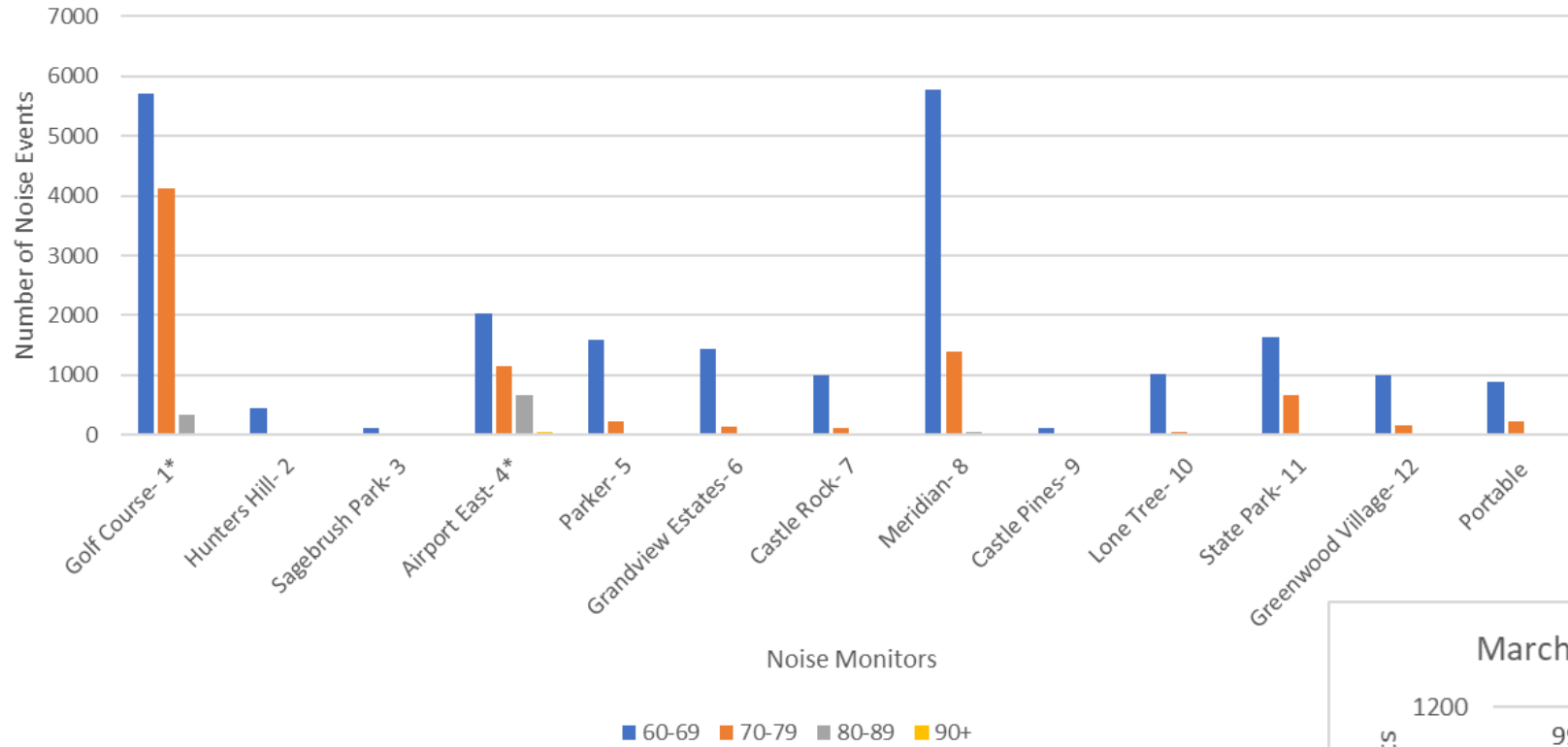
1153

**Total Community Noise Events at Portable Monitor**

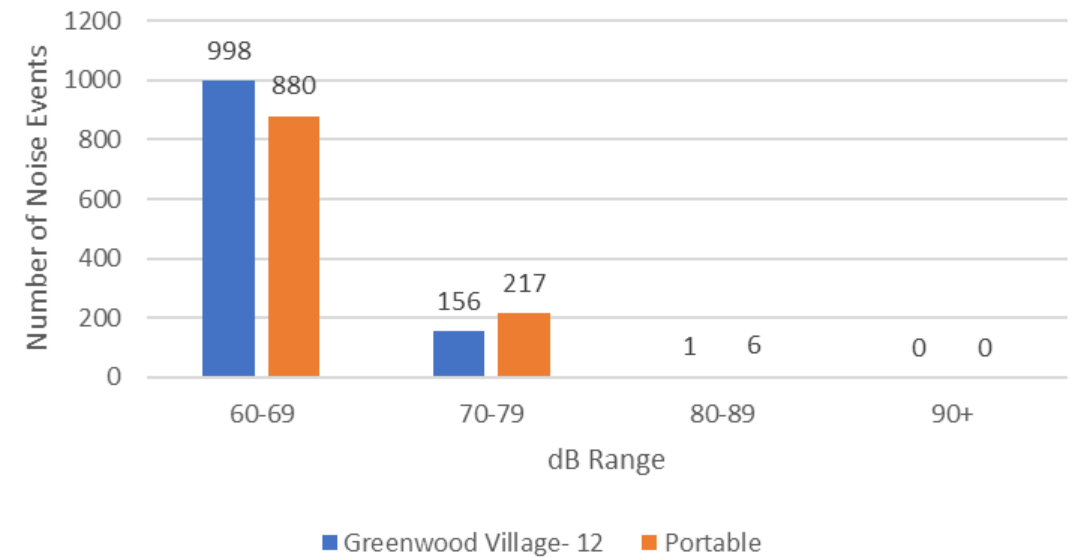
Total: 269



# March 2023 Aircraft Noise Event dB Range by Monitor



## March 2023 Aircraft Noise Event dB Range by Monitor



April Data  
4/8/23 – 5/8/23 (31 days)

|                      |             |                                                                                                               |
|----------------------|-------------|---------------------------------------------------------------------------------------------------------------|
| <b>Aircraft DNL</b>  | <b>45.1</b> | The 24-hour <b>average</b> sound level of <b>aircraft</b> with a 10dB penalty for nighttime noise events.     |
| <b>Community DNL</b> | <b>50.7</b> | The 24-hour <b>average</b> sound level of the <b>community</b> with a 10dB penalty for nighttime noise events |

**Centennial Airport-associated aircraft flight paths within 1 mile of Portable Monitor for duration of Portable Noise Monitor stay (31 days)**

Props: 2,417

Jets: 941

Heli: 33

Unknown: 356

Total: 3,747

|                                              |             |                                                                                       |
|----------------------------------------------|-------------|---------------------------------------------------------------------------------------|
| <b>Total DNL</b>                             | <b>52.0</b> | The 24-hour <b>average</b> sound level with a 10dB penalty for nighttime noise events |
| <b>Average Aircraft L<sub>Max</sub> (dB)</b> | <b>65.8</b> | The peak noise level for a single aircraft noise event.                               |

**Centennial Airport Aircraft Noise Events at Portable Monitor**

1,005

**Non-Centennial Airport Aircraft Noise Events at Portable Monitor**

37

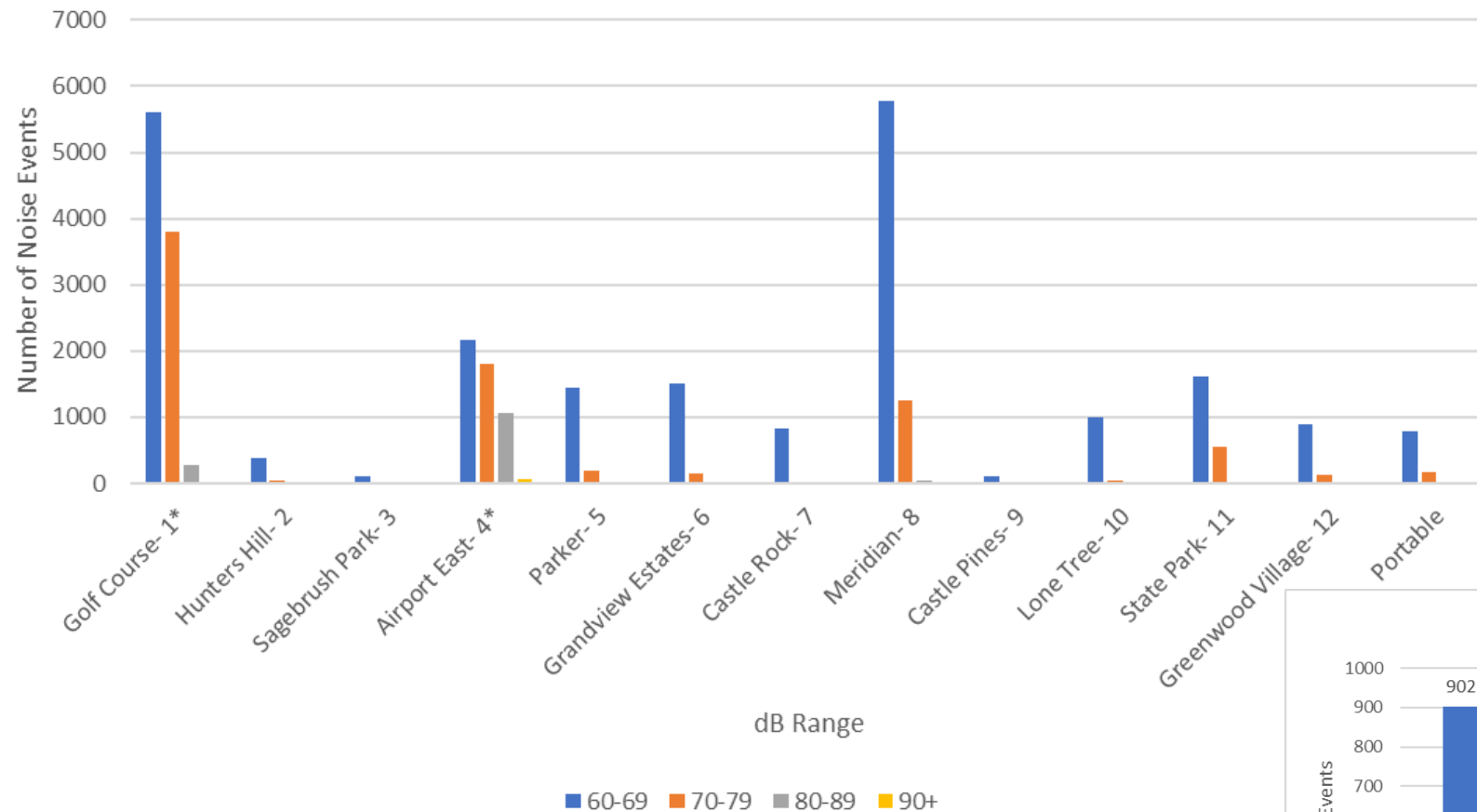
**Total Aircraft Noise Events at Portable Monitor**

1,042

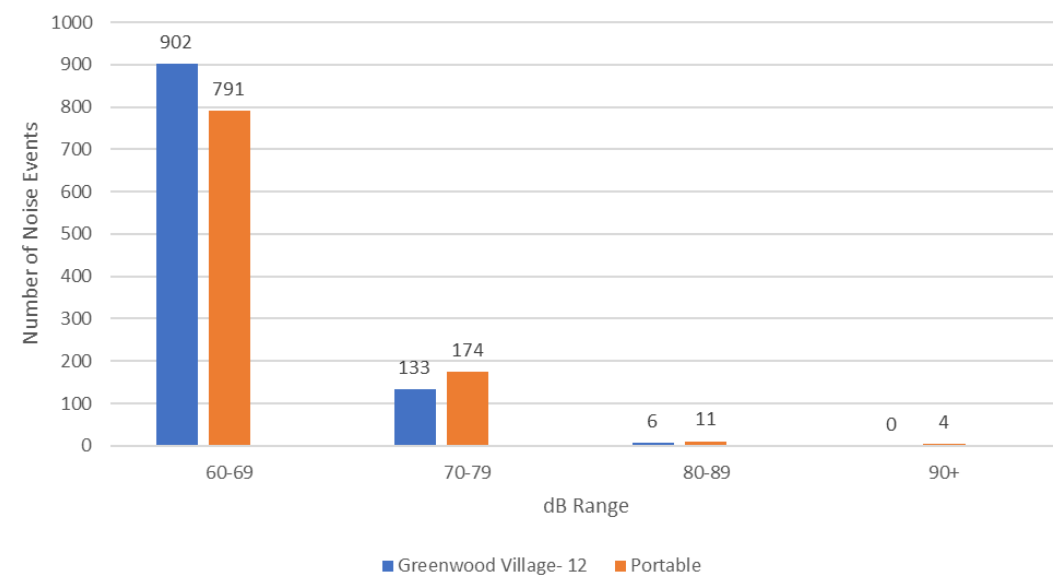
**Total Community Noise Events at Portable Monitor**

Total: 439

### April 2023 Aircraft Noise Event dB Range by Monitor



### April 2023 Aircraft Noise Event dB Range by Monitor





CACNR Report of June 7, 2023, Meeting  
to ACPAA, June 8, 2023

Presented by Andy Jones, Highlands Ranch Metropolitan District Representing CACNR

- Louis Dupart briefed the community on the efforts of The Normandy Group to push the Federal Aviation Administration (FAA) to assign an expert to a proposed Technical Working Group that will focus on mitigating training propellor aircraft operations from populated residential communities.
- Robert Olislagers gave a state of the industry update on Eliminate Aviation Gasoline Lead Emissions (known as EAGLE).
  - Their initiative is to eliminate leaded avgas by the year 2030.
  - They would like to accomplish this before FAA and EPA regulations mandate the change following the upcoming likely EPA Endangerment Finding.
- Public Comment: 18 people attended the meeting in-person, 20 attended online. 5 people commented in-person, and 1 commented from online.
  - Discussion remains that the residential community is experiencing several propellor training aircraft over their homes daily.
- Samantha Blymyer presented a noise report for the portable noise monitor that is currently located in Greenwood Village.
  - Data showed Community DNL higher than Aircraft DNL for the months of January-April.
  - Data showed that on average, the portable noise monitor collects near the same amount of noise events as the permanent Greenwood Village noise monitor, but collects less noise events within the 60-69 dB range, and more noise events within the 70-79 dB range than the permanent monitor.
- Chris Eubanks summarized the UC Davis Noise Conference he attended in May. He reported that the Noise 101 course was very informative, but he felt the conference was very geared towards large commercial airports and did not reflect on general aviation airports as much as he had liked it to.





## NextGen Advisory Committee (NAC)

### Meeting Agenda

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**Date:** Monday, June 12, 2023  
**Time:** 1:00pm – 4:15pm (ET) (estimated times)  
**Location:** FAA Headquarters  
800 Independence Avenue Southwest  
Washington, DC 20591  
(Virtual Attendance Option Available)

| Item | Time (ET)                 | Topic                                   |
|------|---------------------------|-----------------------------------------|
| 1.   | 1:00 – 1:10<br>10 Minutes | Opening Remarks                         |
| 2.   | 1:10 – 1:20<br>10 Minutes | Chair Report                            |
| 3.   | 1:20 – 1:50<br>30 Minutes | FAA Report                              |
| 4.   | 1:50 – 2:30<br>40 Minutes | Chair's Roundtable: NextGen in Denver   |
| 5.   | 2:30 – 2:40<br>10 Minutes | 10-Minute Break                         |
| 6.   | 2:40 – 3:40<br>60 Minutes | NAC Subcommittee (SC) Chair Report      |
| 7.   | 3:40 – 4:00<br>20 Minutes | FAA Topics                              |
| 8.   | 4:00 – 4:05<br>5 Minutes  | Review of Action Items & Other Business |
| 9.   | 4:05 – 4:15<br>15 Minutes | Closing Comments & Adjourn              |

**Samantha Blymyer**

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**From:** UC Davis Air Quality Research Center <airqualityevents@ucdavis.edu>  
**Sent:** Thursday, July 20, 2023 10:01 AM  
**To:** Samantha Blymyer  
**Subject:** Announcing the 2024 ANE Symposium!

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.



*University of California, Davis*  
**Aviation Noise &  
Emissions Symposium**

**March 4-6, 2024 - Hotel Zoso, Palm Springs**

**Save the date for 2024!**



**Back to Palm Springs!**

While we love our campus, we are ecstatic to be welcomed back to Palm Springs after several years away. The 2024 Symposium will be hosted at Hotel Zoso in downtown Palm Springs, February March 4 – March 6, 2024. We hope you can join us in-person!

Save the Date for 2024



## Visit Sunny Palm Springs

March is the best time of year in Palm Springs. Enjoy the desert oasis by exploring Joshua Tree National Park and taking a swing at a golf course!

*March 4 – 6, 2024*

Mark your calendars!

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Sincerely,

Sandra Hall  
Symposium Manager  
Air Quality Research Center  
<https://anesymposium.aqrc.ucdavis.edu/>

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University of California, Davis <https://aqrc.ucdavis.edu>



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**PHIL WEISER**  
Attorney General

**NATALIE HANLON LEH**  
Chief Deputy Attorney General

**SHANNON STEVENSON**  
Solicitor General

**TANJA WHEELER**  
Associate Chief Deputy Attorney  
General



**STATE OF COLORADO**  
**DEPARTMENT OF LAW**

**RALPH L. CARR**  
**COLORADO JUDICIAL CENTER**  
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Denver, Colorado 80203  
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**Office of the Attorney General**

July 18, 2023

The Honorable Michael S. Regan  
Administrator  
U.S. Environmental Protection Agency  
1200 Pennsylvania Ave., NW  
Washington, DC 20460  
VIA ELECTRONIC MAIL: a-and-r-docket@epa.gov

**RE: Comment on Proposed Finding That Lead Emissions From  
Aircraft Engines That Operate on Leaded Fuel Cause or Contribute  
to Air Pollution That May Reasonably Be Anticipated To Endanger  
Public Health and Welfare**

Dear Administrator Regan:

I write in support of the proposed federal action by the U.S. Environmental Protection Agency ("EPA"), "Proposed Finding That Lead Emissions From Aircraft Engines That Operate on Leaded Fuel Cause or Contribute to Air Pollution That May Reasonably Be Anticipated To Endanger Public Health and Welfare."<sup>1</sup>

On January 17, 2023, the EPA received a formal comment from the attorneys general of California, Connecticut, District of Columbia, Maryland, Massachusetts, Minnesota, New Jersey, New York, Oregon, Pennsylvania, Vermont, and Wisconsin.<sup>2</sup> I fully support the comment submitted by the attorneys general and am aligned with their goals of greater environmental protections for adults and children impacted by air pollution due to leaded aviation gasoline in piston-engine planes.

As you are aware, according to the EPA, lead exposure poses harms to nearly every organ and bodily system. And young children and pregnant women are at

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<sup>1</sup> Proposed Finding That Lead Emissions From Aircraft Engines That Operate on Leaded Fuel Cause or Contribute to Air Pollution That May Reasonably Be Anticipated To Endanger Public Health and Welfare, 87 Fed. Reg. 62753 (proposed Oct. 17, 2022).

<sup>2</sup> Letter from State Attorneys General to Administrator Michael Regan, U.S. Environmental Protection Agency (Jan. 17, 2023), [https://ag.ny.gov/sites/default/files/multistate\\_comment\\_letter\\_re\\_epa\\_proposed\\_endangerment\\_finding\\_for\\_avg\\_as\\_01-17-23.pdf](https://ag.ny.gov/sites/default/files/multistate_comment_letter_re_epa_proposed_endangerment_finding_for_avg_as_01-17-23.pdf).

particularly high risk to the effects of lead.<sup>3</sup> The harmful effects of lead have been well-known for years and government agencies at the local, state, and federal levels have prioritized ensuring that this substance is removed from products, structures, and infrastructure that come into contact with the public.

However, leaded gasoline continues to be used in aviation fuel. According to the U.S. Federal Aviation Administration, aviation gasoline (“avgas”) is “the aviation fuel most commonly used in piston-engine aircraft” and “remains the only transportation fuel in the United States to contain lead”.<sup>4</sup> The prevalence of avgas, combined with the growth in traffic patterns above airports and airfields serving general aviation, has led to a significant health impacts—particularly for children—due to residential neighborhoods and schools in areas adjacent to aviation flight patterns.<sup>5</sup>

In Colorado, the public health impacts of avgas have drawn significant outcry from communities located beneath flight traffic patterns, as well as Colorado’s congressional representatives.<sup>6</sup> And it was recently reported that both Colorado school districts and local governments beneath aviation flight paths are appealing to the federal government to take action to protect adults and children who live and attend school in these areas.<sup>7</sup>

Addressing this issue will take action at all layers of government—and that includes local airports and airfields. The Proposed Finding is one important and necessary step towards addressing this problem and protecting adults and children most at risk from lead exposure due to avgas. This finding would affirm that under the Clean Air Act that emissions released by piston-engine plans that consume leaded aviation gas may endanger the public health and welfare. This is one of many needed steps to protect adults and children exposed to this health risk. I strongly support the prior comment submitted by state attorneys general on January 17, 2023, to the EPA, and urge the EPA’s swift adoption of the Proposed Finding.

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<sup>3</sup> U.S. ENVIRONMENTAL PROTECTION AGENCY, LEAD (last visited Jul. 13, 2023), <https://www.epa.gov/lead/learn-about-lead#effects>.

<sup>4</sup> U.S. Federal Aviation Administration, Aviation Gasoline (last visited Jul. 13, 2023), <https://www.faa.gov/about/initiatives/avgas>.

<sup>5</sup> Riley K, et. al., *A Systematic Review of The Impact of Commercial Aircraft Activity on Air Quality Near Airports*. *City Environ Interact*, City and Environment Interactions vol. 11 (2021), <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8318113/>.

<sup>6</sup> Letter from Sen. Michael Bennet, Sen. John Hickenlooper, and Cong. Jason Crow to Acting Administrator Billy Nolen, U.S. Federal Aviation Administration (Dec. 14, 2022), <https://crow.house.gov/sites/evo-subsites/crow.house.gov/files/evo-media-document/letter-to-faa-on-centennial-airport-final.pdf>.

<sup>7</sup> Josh Aguilar, *Suburban Residents Battle Noise, Lead Pollution From Busy Metro Denver Airports*, The Denver Post, (Jul. 7, 2023), <https://www.denverpost.com/2023/07/07/centennial-rocky-mountain-airport-noise-lead/?clearUserState=true>.

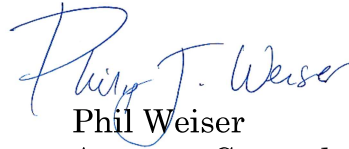
The Honorable Michael S. Regan

July 18, 2023

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Thank you for your consideration of these comments. Please feel free to contact Kurtis Morrison, Deputy Attorney General, Colorado Department of Law, at [kurtis.morrison@coag.gov](mailto:kurtis.morrison@coag.gov), should you require additional information.

Sincerely,

A handwritten signature in blue ink that reads "Phil J. Weiser". The signature is fluid and cursive, with the first name "Phil" and last name "Weiser" clearly legible.

Phil Weiser  
Attorney General