# Fly Quiet Program January 1<sup>st</sup> - June 30<sup>th</sup> 2023

**2nd Quarter Update** 

Jackson Hole Airport September 25, 2023





Reminder of legal framework for Fly Quiet Program

- Voluntary versus mandatory measures
- Recent community comments about alternate measures
  - 1. Ban General Aviation
  - 2. Permit only Stage 5 aircraft
  - 3. Further efforts to enforce curfew
  - 4. Fan aircraft on departure during summer
  - 5. Align flight path over highway





- The FAA has exclusive jurisdiction over the regulation of airspace, including the design of flight procedures.
- FAA air traffic controllers and pilots make individual decisions about where/how aircraft fly.
- Airport cannot
  - Tell aircraft where and how to fly
- Airport can
  - Suggest voluntary procedures
  - Facilitate discussions among FAA, Airport users and community





- Some airports have longstanding limits on use, like mandatory curfews.
- In 1990, Congress essentially prohibited all new mandatory noise and access restrictions.
- JAC has some pre-1990 use restrictions that come from the 1983 Use Agreement.
  - The Airport cannot adopt new restrictions without FAA approval.
  - The FAA has not granted such approval for any airport and would not grant approval for JAC.





- Solution States And States And
- Overlapping and interlocking legal requirements
  - Preemption
  - 1990 Noise Act
  - FAA Grant Assurances
- Several communities have tried.
  - East Hampton
  - Lantana
  - Naples

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• Burbank



Encourage pilots to fly quieter aircraft and to utilize procedures that minimize noise over Grand Teton National Park as well as noise sensitive areas of our community.





# Fly Quiet Overview

- Measures noise abatement goals/metrics and awards users that best achieve those goals
- Continually redefines and expands noise reduction goals using multiple metrics and measures
- Local initiative; operator involvement is critical
- Provides information to users on how to improve their operations
- Publicly recognizes, both locally and nationally, the top scoring operators





# Fly Quiet Program Elements and Bonuses

| ELEMENTS                                  | Goal  | Measure  |
|---|---|--|
| Fleet Quality                             | Acknowledge/encourage operators to fly the quietest aircraft  | <ul> <li>FAA Aircraft Certificated Stage Noise Level</li> <li>Stage 5 is highest</li> </ul>  |
| Minimize Higher<br>Noise Events           | Minimize the highest aircraft noise events from individual overflights  | <ul> <li>Track % higher noise events per total operations</li> <li>Zero high events the highest score (100%)</li> </ul>  |
| Minimize Violation<br>of Voluntary Curfew | Rated upon number of times an operation occurred during the voluntary curfew hours 9:30 pm to 7 am for GA arrivals and departures | <ul> <li>Number of flights in curfew hours</li> <li>Low score is based upon greater number of curfew violations</li> <li>Zero curfew operations is highest score (100%)</li> </ul>               |
| Flight Procedure<br>Compliance            | Acknowledge/encourage operators to fly the three noise abatement procedures   | <ul> <li>Three procedures evaluated with results combined into one score</li> <li>Rated on % of flights following procedure goal</li> <li>Full compliance is the highest score (100%)</li> </ul> |

| BONUSES                    | Goal  | Measure   |
|----------------------------|---|---|
| Quiet Fleet Bonus          | Acknowledge/encourage operators that operate the very quietest aircraft | <ul> <li>Aircraft that are at least 10 dB quieter than the Stage 5 standard.<br/>Up to 5 points for percent of fleet that is Stage 5+</li> </ul>        |
| Fly New Procedure<br>Bonus | Flying the new arrival procedure  | <ul> <li>Rated on the number of flights flying procedure 1 or more given 1<br/>point and 5 or more 2 points and so on (up to 5 bonus points)</li> </ul> |





# Fly Quiet Scoring

## Scoring System

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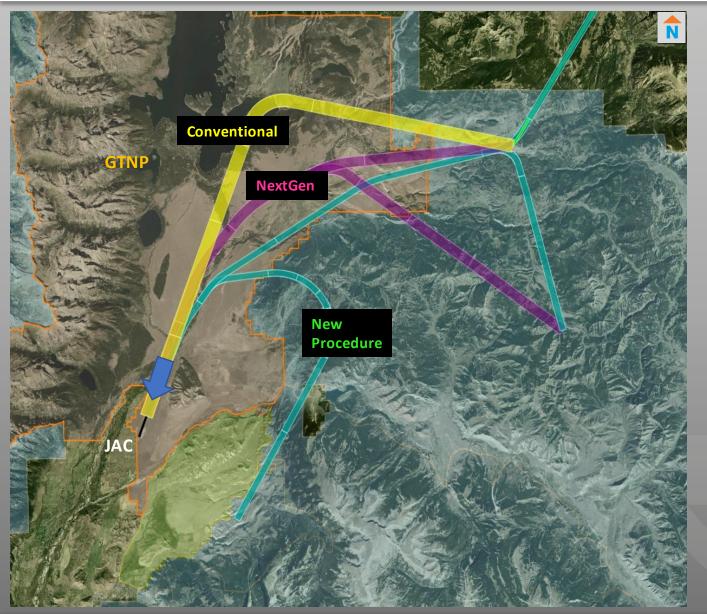
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- Results based on a 0-100 scoring system
- 100 is considered the best possible score with the potential for additional bonus points
- Overall best score is sum of the points for all four categories plus bonus points
- · The highest scoring operations are rated as Top Tier and the lowest are rated as Low Tier
- Notifications and Acknowledgements
  - Both Best and Poor operators in each category below and most improved
- Operations are categorized by type of jet operator and number of operations

| CATEGORY OF JET OPERATOR                                     | CLASSIFICATION BY NUMBER OF<br>ANNUAL OPERATIONS |                  |           |
|--|--|------------------|-----------|
| Commercial and Regional Jet Airlines                         | Minimum of 12 operations                         | FLY QUIET RATING | FLY QUIET |
|  |  | FQ Top Tier      | 90-100+   |
| Corporate Jet Fleets   | -Operators with 30 or more flights               | FQ Compliant     | 70-89.9   |
| (i.e. fractional owners/fleets also referred to as Part 135) | -Operators with between 30 and 12 operations     | FQ Low Tier      | 0-69.9    |
| Single Jet Owner/Operator                                    | -Operators with 30 or more flights               |                  |           |
| (i.e., N1234)  | -Operators with between 30 and 12 operations     |                  |           |



### South Arrival Procedures over GTNP (Conventional / NextGen / New Procedure)



## NextGen Flight Path Compliance

• Flying NextGen path vs conventional path

## East of NextGen Flight Path

• Flying on or east of NextGen path vs west of path closer to core activity areas of the Park

## New Procedure Flight Path

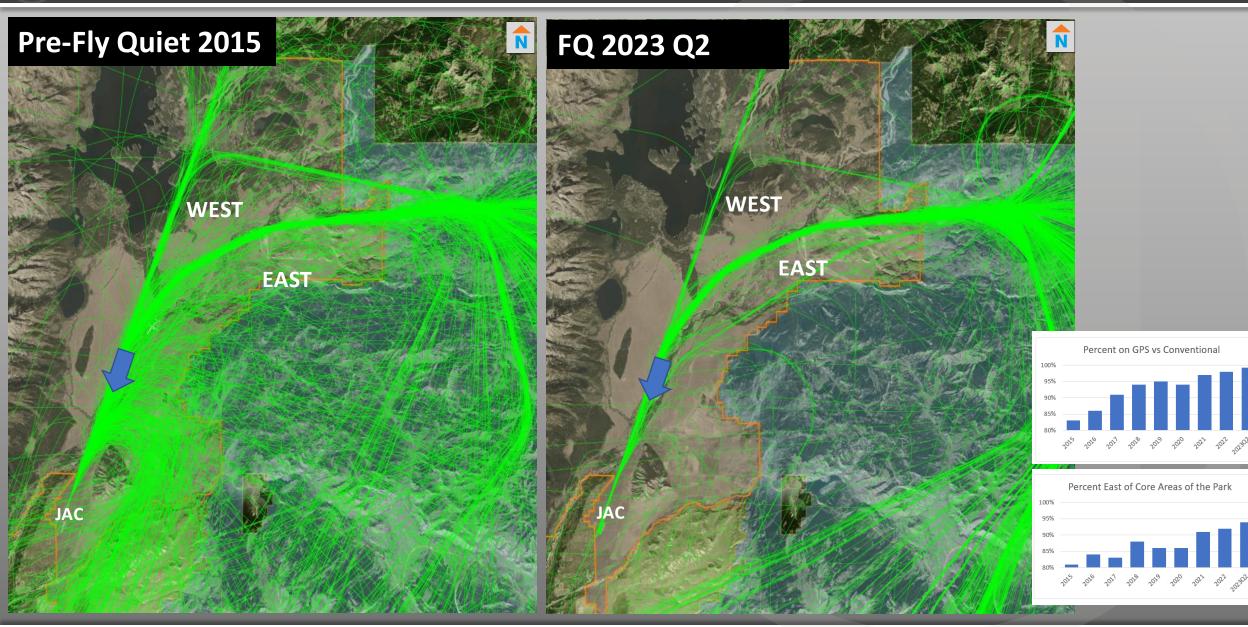
• Bonus points for flying the new procedure



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### Arrival Flight Tracks over GTNP (Pre-Fly Quiet 2015 vs. 2023 Q2)



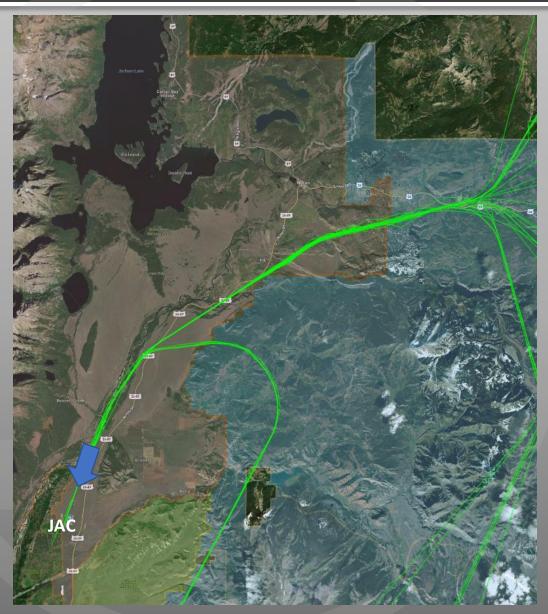
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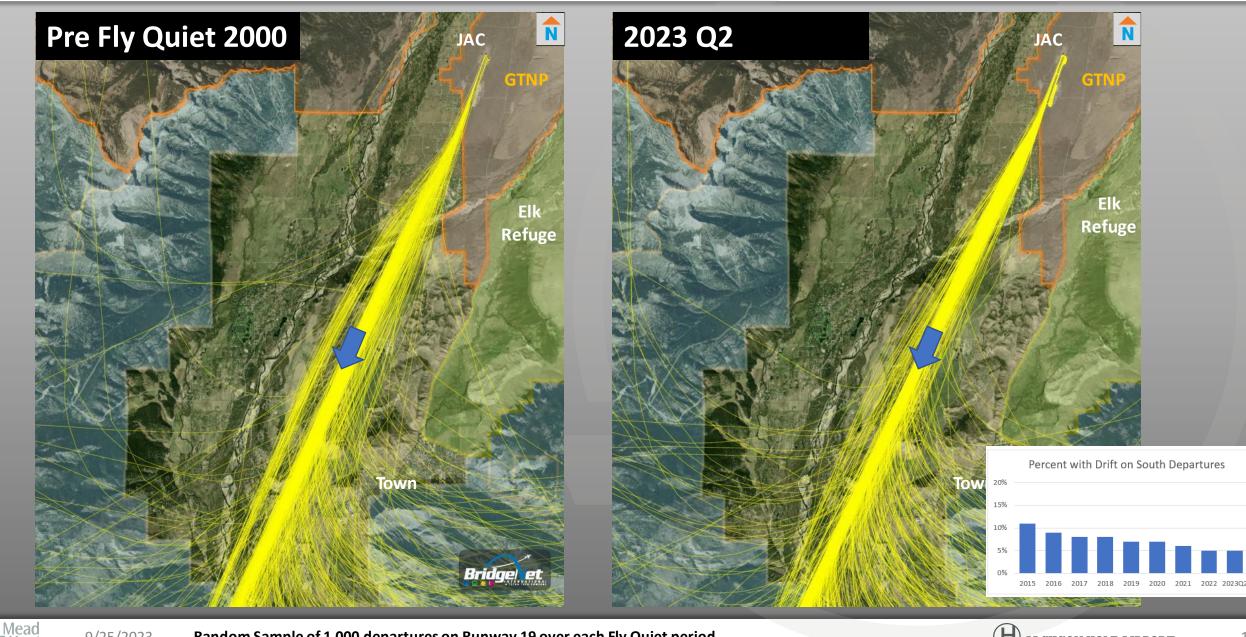
# New Procedure Arrival Usage 2023 Q2

- Procedure first utilized in July 2022
- ✤ 32 flights used the procedure through 2023 Q2
- \* All commercial operators used it at least once
- Delta, SkyWest and Alaska are largest users of procedure





## South Departure Flight Procedures (Pre-Fly Quiet 2000 vs. 2023 Q2)



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| OPERATOR |                          |              |                             | FL                                     | FLY QUIET ELEMENTS                           |   |   |                                    | NUSES                                  | (                                | OVERALL                         |  |  |
|----------|--------------------------|--------------|-----------------------------|--|--|---|---|------------------------------------|--|----------------------------------|---------------------------------|--|--|
| Code     | Operator                 | Total<br>Ops | Primary<br>Aircraft<br>Type | Quiet<br>Fleet<br>Score (25<br>Points) | Follow<br>Procedures<br>Score (25<br>points) | Quieter<br>Events<br>Score (25<br>Points) | Voluntary<br>Curfew<br>Score (25<br>Points) | Quiet<br>Fleet<br>Bonus (5<br>pts) | Fly -<br>Procedure<br>Bonus (5<br>pts) | Total Fly<br>Quiet<br>Score<br>▼ | Fly Quiet Rating<br>Expectation |  |  |
| XSR      | Airshare                 | 36           | E55P                        | 24.9                                   | 22.9   | 25.0                                      | 25.0  | 3.9                                | 0.0                                    | 101.7                            | FQ Top Tier                     |  |  |
| XOJ      | XOJet                    | 68           | C750                        | 24.6                                   | 22.5   | 25.0                                      | 25.0  | 4.0                                | 0.0                                    | 101.1                            | FQ Top Tier                     |  |  |
| YEL      | Summit Aviation          | 16           | E55P                        | 25.0                                   | 19.4   | 25.0                                      | 25.0  | 5.0                                | 0.0                                    | 99.4                             | FQ Top Tier                     |  |  |
| TIV      | Thrive Aviation          | 60           | C700                        | 24.9                                   | 20.2   | 25.0                                      | 25.0  | 1.2                                | 0.0                                    | 96.3                             | FQ Top Tier                     |  |  |
| FTH      | Mountain Aviation        | 202          | C750                        | 24.9                                   | 20.5   | 23.6                                      | 22.0  | 3.4                                | 0.0                                    | 94.3                             | FQ Top Tier                     |  |  |
| JTZ      | Nicholas Air             | 30           | E55P                        | 24.9                                   | 16.4   | 23.1                                      | 25.0  | 3.7                                | 0.0                                    | 93.1                             | FQ Top Tier                     |  |  |
| FWK      | Flightworks              | 22           | GALX                        | 21.9                                   | 25.0   | 18.8                                      | 25.0  | 0.0                                | 0.0                                    | 90.6                             | FQ Top Tier                     |  |  |
| JTL      | Jet Linx                 | 48           | C56X                        | 23.4                                   | 20.1   | 20.5                                      | 25.0  | 0.8                                | 0.0                                    | 89.8                             | FQ Compliant                    |  |  |
| EJA      | NetJets Aviation         | 1,587        | C68A                        | 24.7                                   | 21.3   | 24.4                                      | 16.0  | 3.0                                | 0.0                                    | 89.4                             | FQ Compliant                    |  |  |
| EDG      | Jet Edge                 | 242          | CL30                        | 23.9                                   | 21.7   | 21.0                                      | 22.0  | 0.0                                | 0.0                                    | 88.6                             | FQ Compliant                    |  |  |
| EJM      | Executive Jet Management | 171          | GLF4                        | 22.8                                   | 23.1   | 20.7                                      | 20.0  | 0.8                                | 0.0                                    | 87.4                             | FQ Compliant                    |  |  |
| LXJ      | Bombardier FlexJet       | 901          | E545                        | 24.6                                   | 19.3   | 24.1                                      | 16.0  | 2.5                                | 0.0                                    | 86.6                             | FQ Compliant                    |  |  |
| TWY      | Sunset Aviation          | 152          | GLF6                        | 22.7                                   | 20.8   | 22.2                                      | 19.0  | 0.0                                | 0.0                                    | 84.7                             | FQ Compliant                    |  |  |
| JRE      | Fly Exclusive            | 135          | C56X                        | 24.2                                   | 12.5   | 23.5                                      | 22.0  | 1.7                                | 0.0                                    | 83.9                             | FQ Compliant                    |  |  |
| CYO      | Air Transport (ATI Jet)  | 26           | LJ60                        | 25.0                                   | 3.2  | 25.0                                      | 25.0  | 5.0                                | 0.0                                    | 83.2                             | FQ Compliant                    |  |  |
| RGY      | Regency Airlines         | 21           | BE40                        | 15.4                                   | 25.0   | 16.2                                      | 25.0  | 0.0                                | 0.0                                    | 81.6                             | FQ Compliant                    |  |  |
| PXT      | Pacific Coast Jet        | 17           | C25B                        | 24.3                                   | 9.9  | 25.0                                      | 20.0  | 1.8                                | 0.0                                    | 81.0                             | FQ Compliant                    |  |  |
| JCY      | Aerius Management        | 23           | C25B                        | 24.2                                   | 9.2  | 21.4                                      | 25.0  | 0.0                                | 0.0                                    | 79.9                             | FQ Compliant                    |  |  |
| DPJ      | Wheels Up Private Jets   | 44           | BE40                        | 18.0                                   | 19.7   | 16.2                                      | 25.0  | 0.0                                | 0.0                                    | 78.9                             | FQ Compliant                    |  |  |
| GAJ      | Wheels Up Gama Aviation  | 40           | C56X                        | 25.0                                   | 1.0  | 25.0                                      | 25.0  | 1.3                                | 0.0                                    | 77.2                             | FQ Compliant                    |  |  |
| SGO      | Admiral Beverage         | 66           | H25B                        | 15.9                                   | 25.0   | 7.8                                       | 25.0  | 0.0                                | 0.0                                    | 73.7                             | FQ Compliant                    |  |  |
| TTE      | Avcenter                 | 72           | C560                        | 21.4                                   | 1.6  | 20.2                                      | 25.0  | 1.1                                | 0.0                                    | 69.2                             | FQ Low Tier                     |  |  |



Corporate Fleets Between 15 and 7 Operations per year – Fly Quiet Score 2023 Q2

|      | OPERATOR                   |              | C                           | OVERALL                         |
|------|----------------------------|--------------|-----------------------------|---------------------------------|
| Code | Operator                   | Total<br>Ops | Total Fly<br>Quiet<br>Score | Fly Quiet Rating<br>Expectation |
| KOW  | Baker Aviation             | 12           | 100.2                       | FQ Top Tier                     |
| DJR  | Desert Jet                 | 10           | 100.0                       | FQ Top Tier                     |
| SIS  | Silver Air Airlines        | 14           | 98.8                        | FQ Top Tier                     |
| UJC  | Ultimate Air Shuttle       | 10           | 96.7                        | FQ Top Tier                     |
| KPO  | NXT Jet                    | 14           | 96.0                        | FQ Top Tier                     |
| ASP  | AirSprint                  | 12           | 95.0                        | FQ Top Tier                     |
| PFT  | Paragon Airways            | 13           | 94.7                        | FQ Top Tier                     |
| IJA  | International Jet Aviation | 8            | 93.9                        | FQ Top Tier                     |
| PGR  | Prestige Air Group         | 14           | 93.7                        | FQ Top Tier                     |
| MLN  | Air Madeleine              | 8            | 90.7                        | FQ Top Tier                     |
| SDU  | Dumont Aviation            | 8            | 90.7                        | FQ Top Tier                     |
| XSM  | Steelman Aviation Inc      | 10           | 89.5                        | FQ Compliant                    |
| BLK  | Aero Black (USAC Airways)  | 10           | 87.2                        | FQ Compliant                    |
| OKC  | Private Jets               | 10           | 85.2                        | FQ Compliant                    |
| KFB  | STAjets                    | 11           | 84.7                        | FQ Compliant                    |
| WSP  | Verijet                    | 15           | 82.2                        | FQ Compliant                    |
| COL  | SC Aviation                | 12           | 81.2                        | FQ Compliant                    |
| CJE  | Aeroservices Corporate     | 8            | 81.2                        | FQ Compliant                    |
| SLH  | Silverhawk Aviation        | 15           | 79.8                        | FQ Compliant                    |
| DRL  | Omini Air Transport        | 10           | 75.4                        | FQ Compliant                    |
| HER  | Hera Flight                | 8            | 75.3                        | FQ Compliant                    |
| XLJ  | XCEL JET                   | 12           | 74.6                        | FQ Compliant                    |
| WWI  | Worldwide Jet Charter      | 12           | 74.5                        | FQ Compliant                    |
| PRE  | Precision Airlines         | 9            | 74.3                        | FQ Compliant                    |
| TFF  | Talon Air                  | 10           | 71.5                        | FQ Compliant                    |
| DLX  | Dreamline Aviation         | 14           | 70.1                        | FQ Compliant                    |





# Single Operator Corporate Aircraft 16 Operations per year or greater – Fly Quiet Score 2023 Q2

|        | OPERATOR                      | OVERALL      |                             |                                 |  |
|--------|-------------------------------|--------------|-----------------------------|---------------------------------|--|
| Code   | Operator                      | Total<br>Ops | Total Fly<br>Quiet<br>Score | Fly Quiet Rating<br>Expectation |  |
| N31SS  | SEGAL LAW FIRM                | 18           | 105.0                       | FQ Top Tier                     |  |
| N560TW | T.W. Lewis Aviation, LLC      | 21           | 96.7                        | FQ Top Tier                     |  |
| N894KS | KS Air Charter, LLC           | 26           | 96.7                        | FQ Top Tier                     |  |
| N482PG | GATES GROUP AIR LLC           | 43           | 96.3                        | FQ Top Tier                     |  |
| N122WY | Strategic Organizational Mana | 16           | 95.8                        | FQ Top Tier                     |  |
| N980CC | FJ20 166 LLC                  | 28           | 94.7                        | FQ Top Tier                     |  |
| N793KK | Banc of America Leasing & Ca  | 17           | 91.2                        | FQ Top Tier                     |  |
| N281EB | Swan, Erik                    | 26           | 91.1                        | FQ Top Tier                     |  |
| N44GF  | Ace Aviation Service, LLC     | 22           | 89.5                        | FQ Compliant                    |  |
| N393BZ | FALCON HOLDINGS II LLC        | 16           | 89.1                        | FQ Compliant                    |  |
| N30MZ  | Wildwood Yonder, LLC          | 33           | 89.0                        | FQ Compliant                    |  |
| N585WT | Kedec Services, LLC           | 16           | 83.7                        | FQ Compliant                    |  |
| N211PB | JOUST CAPITAL III LLC         | 42           | 83.7                        | FQ Compliant                    |  |
| N900BC | CSMS Management, LLC          | 42           | 81.0                        | FQ Compliant                    |  |
| N611MP | Air Elements, LLC             | 28           | 71.2                        | FQ Compliant                    |  |
| N307GP | AIR CASHMERE LLC              | 42           | 55.1                        | FQ Low Tier                     |  |





# Single Operator Corporate Aircraft Between 15 and 7 Operation per Year – Fly Quiet Score 2023 Q2

|        | OPERATOR                         |              | C                           | VERALL                          |        | OPERATOR                           |              |
|--------|----------------------------------|--------------|-----------------------------|---------------------------------|--------|------------------------------------|--------------|
| Code   | Operator                         | Total<br>Ops | Total Fly<br>Quiet<br>Score | Fly Quiet Rating<br>Expectation | Code   | Operator                           | Total<br>Ops |
| N113HX | Happytimes Aviation, LLC         | 9            | 105.0                       | FQ Top Tier                     | N104QT | FREEBASE HOLDING LLC               | 1            |
| N124MV | RC Aviation, LLC                 | 12           | 105.0                       | FQ Top Tier                     | N90KC  | Davinci Jets, LLC                  | 1            |
| N197LL | Accelero, LLC                    | 7            | 105.0                       | FQ Top Tier                     | N970CC | FJ20 166, LLC                      | 1            |
| N334GV | U                                | 10           | 105.0                       | FQ Top Tier                     | N324FP | Fox Paine & Company, LLC           |              |
| N450JF | Wasatch Aviation Group 450, L    | 8            | 105.0                       | FQ Top Tier                     | N117WR | Whiskey Romeo Owner, LLC           | -            |
| N514AF | N128CV LLC                       | 8            | 105.0                       | FQ Top Tier                     | N525PB | JCL Aviation, LLC                  | 13           |
| N649SP | Standard Process, Inc.           | 8            | 105.0                       | FQ Top Tier                     | N532LW | Go Fast, LLC                       | 12           |
| N680MB | Ironstate East West, LLC         | 10           | 105.0                       | FQ Top Tier                     | N872J  | Jacksons Food Stores, Inc.         | 10           |
| N752WJ | CX 34, LLC                       | 12           | 105.0                       | FQ Top Tier                     | X8PASD | U                                  |              |
| N813FM | Kevin Parra Aviation, LLC        | 8            | 101.9                       | FQ Top Tier                     | N82RL  | 604, LLC                           | 12           |
| 1300TU | Flying Amici Aviation, LLC       | 8            | 100.0                       | FQ Top Tier                     | N4840W | Launchequity Partners, LLC         | 8            |
| N534CC | Harris Teeter Supermarkets, Inc. | 8            | 100.0                       | FQ Top Tier                     | N881VP | Citation Technology Partners, L    | 13           |
| 1640AF | Vela Flight 2, LLC               | 8            | 100.0                       | FQ Top Tier                     | N294X  | U S BANK NA                        | 8            |
| 1888HH | Haworth Transportation Servic    | 8            | 99.7                        | FQ Top Tier                     | N812BP | Del Papa Holdings, LLC             | 10           |
| N924TC | RLC Aviation, LLC                | 8            | 99.7                        | FQ Top Tier                     | N50AG  | TVPX Aircraft Solutions, Inc.      | 10           |
| N406LA | Locati Architects, LLC           | 9            | 99.2                        | FQ Top Tier                     | N583AJ | Come Fly With Me, LLC              | 7            |
| N1866M | Spirt of BFC LLC                 | 12           | 98.3                        | FQ Top Tier                     | N440AF | Vela Flight, LLC                   | 8            |
| N393BW | Meredith Operations Corp         | 12           | 98.3                        | FQ Top Tier                     | N391B  | Battelle Memorial Institute        | 8            |
| N605RT | Mountaingate, LLC                | 10           | 98.2                        | FQ Top Tier                     | N600JM | East Lake Jet Aviation, LLC        | 8            |
| N1440W | OVERLAND AIR LLC                 | 8            | 97.5                        | FQ Top Tier                     | N312PV | Kleinheinz Capital Partners, Inc.  | 12           |
| N14CJ  | JH Aircraft Management, Inc.     | 9            | 97.5                        | FQ Top Tier                     | N939AJ | Jet Aviation Flight Services, Inc. | 8            |
| N928GC | Moorland Promontory, LLC         | 9            | 97.2                        | FQ Top Tier                     | N560U  | CSMS MANAGEMENT LLC                | 8            |
| N279D  | Hawkeye Group, LLC               | 12           | 97.0                        | FQ Top Tier                     |        |                                    |              |
| N7SG   | Latitude 33 Aviation, LLC        | 14           | 97.0                        | FQ Top Tier                     |        |                                    |              |
| N310GV | IBW Air Services, LLC            | 8            | 96.7                        | FQ Top Tier                     |        |                                    |              |
| N917FH | Global Transport Four, LLC       | 10           | 96.7                        | FQ Top Tier                     |        |                                    |              |

|        | OPERATOR                       | OVERALL      |                             |                                 |  |
|--------|--------------------------------|--------------|-----------------------------|---------------------------------|--|
| Code   | Operator                       | Total<br>Ops | Total Fly<br>Quiet<br>Score | Fly Quiet Rating<br>Expectation |  |
| N393SG | N393SG, LLC                    | 12           | 80.6                        | FQ Compliant                    |  |
| N428JE | Jacksons Food Stores, Inc.     | 14           | 80.0                        | FQ Compliant                    |  |
| N79LE  | CIRCLE AROUND 1 LLC            | 7            | 78.4                        | FQ Compliant                    |  |
| N245MG | SMGM, LLC                      | 7            | 77.4                        | FQ Compliant                    |  |
| N851HS | Eagle Rock Air, Inc.           | 8            | 77.3                        | FQ Compliant                    |  |
| N115LF | REGISTRATION PENDING           | 9            | 77.1                        | FQ Compliant                    |  |
| N717EP | JetSmart, Inc.                 | 8            | 77.1                        | FQ Compliant                    |  |
| N39DJ  | Aviation Enterprises, Inc.     | 8            | 76.4                        | FQ Compliant                    |  |
| N200SG | Teton Air, LLC                 | 8            | 75.3                        | FQ Compliant                    |  |
| N608JR | Excel Aviation, LLC            | 10           | 73.3                        | FQ Compliant                    |  |
| N585KS | Air Elements, LLC              | 8            | 69.0                        | FQ Low Tier                     |  |
| N102WY | State of Wyoming - Dept. of Tr | 8            | 68.3                        | FQ Low Tier                     |  |
| N156RE | AirStat, Inc.                  | 8            | 67.3                        | FQ Low Tier                     |  |
| N73VR  | Victor Romeo Aviation LLC      | 14           | 65.8                        | FQ Low Tier                     |  |
| N521DC | CAS Transportation, LLC        | 10           | 64.5                        | FQ Low Tier                     |  |
| N420SM | N143BL LLC                     | 14           | 63.4                        | FQ Low Tier                     |  |
| N650SG | Merlin One Aircraft, LLC       | 10           | 47.0                        | FQ Low Tier                     |  |

**OVERALL** 

95.4 FQ Top Tier 95.2 FQ Top Tier 95.0 FQ Top Tier 90.7 FQ Top Tier 89.8 FQ Compliant 89.1 FQ Compliant 88.9 FQ Compliant 88.9 FQ Compliant 88.2 FQ Compliant 87.0 FQ Compliant 87.0 FQ Compliant

86.2 FQ Compliant 85.8 FQ Compliant 85.0 FQ Compliant 84.8 FQ Compliant 84.4 FQ Compliant 83.3 FQ Compliant 82.6 FQ Compliant 82.5 FQ Compliant 82.1 FQ Compliant 81.2 FQ Compliant 80.8 FQ Compliant

**Total Fly** 

Quiet

Fly Quiet Rating

Expectation



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# Working with Individual Operators

- Contacted nineteen Low Scoring operators, as well as operators that flew during curfew hours, to show them how to improve their scores
- Developed a detailed report to send to operators showing their results
- Developed a guide on how to improve scores – available on the Airport's website

| Fleet | Fleet Quality Operational Details |          |                         |                     |                                  |                         |  |  |
|-------|-----------------------------------|----------|-------------------------|---------------------|----------------------------------|-------------------------|--|--|
| Year  | Code                              | Aircraft | Description             | Total<br>Operations | Total Stage 5<br>Plus Operations | Aircraft<br>Margin (dB) |  |  |
| 2023  | TTE                               | C525     | Cessna 525 CITATION CJ1 | 16                  | 16                               | 33.8                    |  |  |
| 2023  | TTE                               | C560     | 560 Citation 5          | 39                  | 0                                | 12.9                    |  |  |
| 2023  | TTE                               | C56X     | 560XL Citation EXCEL    | 17                  | 0                                | 29.2                    |  |  |
| Total |                                   |          |                         | 72                  | 16                               |                         |  |  |

### Voluntary Curfew Hours Operations Flight Time D/A Aircraft Flight ID Ship No Runway Org/Dest

| Opera | itor       |          |              |       |     |         |                      |  |
|-------|------------|----------|--------------|-------|-----|---------|----------------------|--|
| Year  | Code       | Operator |              |       |     |         |                      |  |
| 2023  | TTE        | Avcenter |              |       |     |         |                      |  |
|       |            |          |              |       |     |         |                      |  |
| Overa | ll Fly Qui | et Score |              |       |     |         |                      |  |
| Quie  |            |          | er Voluntary | Quiet | Fly | Sustain | <br>Fly Quiet Rating |  |

| l<br>Sco | Fleet<br>ore (25 | Procedures<br>Score (25<br>points) | Events<br>Score (25 | Curfew<br>Score (25 | Fleet<br>Bonus | RNP<br>Bonus | ability<br>Bonus | Quiet<br>Score | Expectation |
|----------|------------------|------------------------------------|---------------------|---------------------|----------------|--------------|------------------|----------------|-------------|
|          | 21.4             | 1.6                                | 20.2                | 25.0                | 1.1            | 0.0          | 0.0              | 69.2           | FQ Low Tier |

### Fleet Quality and Quiet Fleet Bonus Score Details

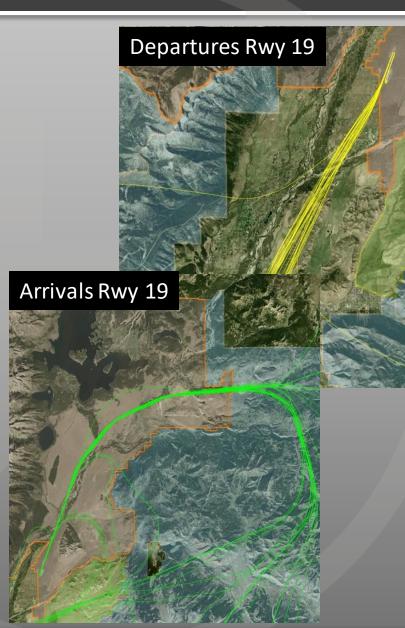
|    | Primary<br>Aircraft | Avg Fleet<br>Margin<br>(dB) | Quiet Fleet<br>Score (25<br>pts) | Total<br>Stage 5<br>Plus Ops | Percent<br>Stage 5<br>Plus | Quiet Fleet<br>Bonus (5<br>pts) |
|----|---------------------|-----------------------------|----------------------------------|------------------------------|----------------------------|---------------------------------|
| 72 | C560                | 21.4                        | 21.4                             | 16                           | 22%                        | 1.1                             |

### Follow Procedures Score Details

| GPS v | GPS v | GPS v  | East v | East v | East v | South | Without | Percent<br>Without<br>Drift | All   |     |
|-------|-------|--------|--------|--------|--------|-------|---------|-----------------------------|-------|-----|
| 22    | 22    | 100.0% | 28     | 27     | 96.4%  | 33    | 11      | 33.3%                       | 76.6% | 1.6 |

#### High Events and Voluntary Curfew Score Details

| Total<br>High<br>Events | Events per | Quiet Events<br>Score (25<br>points) | Curfew<br>Ops | Percent<br>Comply<br>Curfew | Voluntary<br>Curfew Score<br>(25 points) |
|-------------------------|------------|--------------------------------------|---------------|-----------------------------|--|
| 5                       | 90.4%      | 20.2                                 | 0             | 100.0%                      | 25.0                                     |







| OPERATOR |                   |              | FLY QUIET ELEMENTS          |          |                                     |  | BONUSES                                   |   |                                    |           | OVERALL                         |   |                                  |                                 |
|----------|-------------------|--------------|-----------------------------|----------|-------------------------------------|--|---|---|------------------------------------|-----------|---------------------------------|---|----------------------------------|---------------------------------|
| Code     | Operator          | Total<br>Ops | Primary<br>Aircraft<br>Type | F<br>Sco | Quiet<br>Fleet<br>ore (25<br>oints) | Follow<br>Procedures<br>Score (25<br>points) | Quieter<br>Events<br>Score (25<br>Points) | Voluntary<br>Curfew<br>Score (25<br>Points) | Quiet<br>Fleet<br>Bonus (5<br>pts) | Pro<br>Bo | Fly<br>cedure<br>nus (5<br>pts) | - | Total Fly<br>Quiet<br>Score<br>▼ | Fly Quiet Rating<br>Expectation |
| SKW      | Skywest Airlines  | 1,098        | E75L                        |          | 17.4                                | 24.2   | 2 <mark>0.9</mark>                        | 25.0  | 0.0                                |           | 2.0                             |   | 89.5                             | FQ Compliant                    |
| AAL      | American Airlines | 851          | A319                        |          | 18.3                                | 24.1   | 17.2                                      | 25.0  | 0.0                                |           | 1.0                             |   | 85.5                             | FQ Compliant                    |
| DAL      | Delta Air Lines   | 1,278        | A319                        |          | 18.2                                | 24.4   | 17.1                                      | 22.0  | 0.0                                |           | 2.0                             |   | 83.7                             | FQ Compliant                    |
| ASA      | Alaska Airlines   | 203          | B737                        |          | 17.7                                | 2 <mark>0.9</mark>                           | 18.0                                      | 25.0  | 0.0                                |           | 2.0                             |   | 83.6                             | FQ Compliant                    |
| UAL      | United Airlines   | 1,695        | A320                        |          | 17.9                                | 24.2   | 17.7                                      | 18.0  | 0.0                                |           | 1.0                             |   | 78.8                             | FQ Compliant                    |

Voluntary Curfew Operations: United 4 Departures Delta 1 Departure





## Summary

- Fly Quiet shows a continued overall trend of improvement or steady levels of Fly Quiet noise measures
  - Corporate jet <u>Fleet Quality</u> shows trends in greater use of newer generation (quieter) Stage 5 aircraft and less of the older (louder) Stage 3/Stage 4 aircraft. Commercial not yet changing.
  - Aircraft are following the <u>flight procedure goals</u> with greater than 90% compliance and showing trends of year-over-year increased compliance.
  - The percentage of <u>higher noise level events</u> per operation are reducing as older technology jet aircraft leave the fleet and Fly Quiet efforts continue.
  - The total number of <u>voluntary curfew hours</u> jet operations increased with the new expanded curfew hours. The increase is due to the new hours; initial data shows a trend in less night operations during the expanded hours than in the prior year.

## **Top Scoring Operators**

| Corporate Fleet |                   |              |                             |                                 |  |  |  |  |  |
|-----------------|-------------------|--------------|-----------------------------|---------------------------------|--|--|--|--|--|
|                 | OPERATOR          | OVERALL      |                             |                                 |  |  |  |  |  |
| Code            | Operator          | Total<br>Ops | Total Fly<br>Quiet<br>Score | Fly Quiet Rating<br>Expectation |  |  |  |  |  |
| XSR             | Airshare          | 36           | 101.7                       | FQ Top Tier                     |  |  |  |  |  |
| XOJ             | XOJet             | 68           | 101.1                       | FQ Top Tier                     |  |  |  |  |  |
| YEL             | Summit Aviation   | 16           | 99.4                        | FQ Top Tier                     |  |  |  |  |  |
| TIV             | Thrive Aviation   | 60           | 96.3                        | FQ Top Tier                     |  |  |  |  |  |
| FTH             | Mountain Aviation | 202          | 94.3                        | FQ Top Tier                     |  |  |  |  |  |

### Single Jet Operator

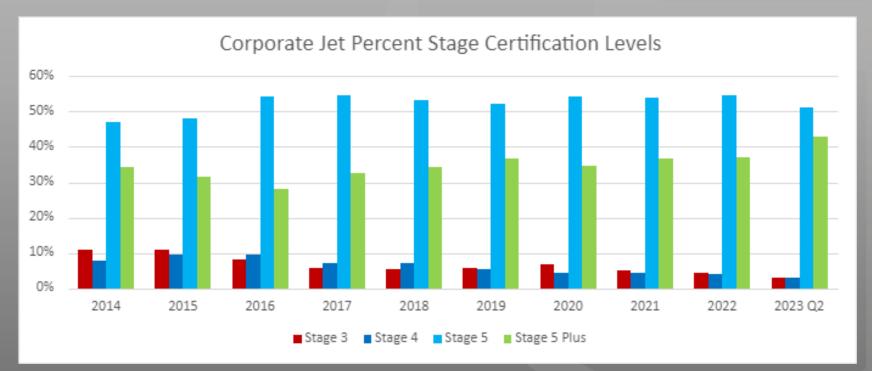
|        | OPERATOR                      | OVERALL      |                             |                                 |  |
|--------|-------------------------------|--------------|-----------------------------|---------------------------------|--|
| Code   | Operator                      | Total<br>Ops | Total Fly<br>Quiet<br>Score | Fly Quiet Rating<br>Expectation |  |
| N31SS  | SEGAL LAW FIRM                | 18           | 105.0                       | FQ Top Tier                     |  |
| N560TW | T.W. Lewis Aviation, LLC      | 21           | 96.7                        | FQ Top Tier                     |  |
| N894KS | KS Air Charter, LLC           | 26           | 96.7                        | FQ Top Tier                     |  |
| N482PG | GATES GROUP AIR LLC           | 43           | 96.3                        | FQ Top Tier                     |  |
| N122WY | Strategic Organizational Mana | 16           | 95.8                        | FQ Top Tier                     |  |





# Summary, Continued

- Operators are paying attention and inquiring how they can improve.
- Developed a "Self Help Guide" for operators to use as a tool to evaluate their performance and address specific areas where they may be deficient along with methods to improve.
- Some operators have moved up in the ranking scale.





## 2023 Activities

- Promote <u>Top Tier</u> operators
- Continue to work with Low Tier operators to improve
- Use up-to-date 2023 data to track operators
- Communicate and promote Fly Quiet quarterly with industry publications
- Advertise results in national trade magazines
- Promote through National Business Aviation Association
- Fall outreach to operators including discussions of Fly Quiet





# Questions



