



# John Wayne Airport Fly Friendly Program 2022 Annual Report



## 1. Introduction

John Wayne Airport's (JWA) Fly Friendly program helps care for our surrounding communities by providing education to General Aviation (GA) jet operators and recognizing their voluntary efforts to safely reduce measurable noise levels and impacts on the environment through an annual awards process.



### **The Fly Friendly program focuses on:**

- Educating GA jet operators about ways to reduce their noise at and around the Airport, as measured by JWA noise monitoring stations
- Encouraging operators to voluntarily adopt more sustainable aviation practices and technologies that help contribute towards reducing environmental impacts
- Scoring these voluntary actions and spotlighting winners in each tier through an annual recognition initiative

### **The Fly Friendly program evaluates compliance with two primary and two bonus elements:**

1. Quietest Departures
2. Nighttime Noise Reduction
3. Environmental Stewardship & Sustainability (bonus element)
4. Most Engaging (bonus element)

## 2. Program Overview and Goals

The goal of the John Wayne Airport Fly Friendly program is to reduce both single event and total noise levels around the Airport through outreach and education. This goal will be pursued by encouraging aircraft operators to fly with the least possible impact on the environment, by utilizing the quietest available aircraft, and adhering to the Airport's voluntary Fly Friendly noise abatement practices which include noise threshold levels at key noise monitoring stations (NMS) along the departure path. The Airport will use its robust data analysis that includes its aircraft noise monitoring system radar data and comprehensive operational data. This will highlight both Airport trends and individual operator performance for specific noise abatement issues. This data is gathered to determine how well aircraft operators are performing. It will be quantified and translated into annual reports, and/or scorecards, to be publicized to the local community, industry organizations, and the operators.

The program officially launched in August 2022. This report presents the full year of 2022 operations (January 1, 2022, through December 31, 2022), and will be considered a baseline to compare future changes over time. Generally, voluntary Fly Friendly program benefits will not occur immediately but will develop over time as the program becomes known and operators understand how to achieve a higher score.

### 2.1 Definition

The purpose of the JWA Fly Friendly program is to communicate to aircraft operators the recommended noise abatement practices, and request that they voluntarily participate in these practices. Each of the Fly Friendly elements are quantified based on operational and noise data collected as part of the Airport's noise monitoring system, as well as through the logging of information related to charitable contributions and attendance at any Orange County community meetings focused on aviation impacts.

The Fly Friendly program consists of four elements that are summarized in Table 1.

**Table 1: John Wayne Airport Fly Friendly Program Elements**

CATEGORY	GOAL	MEASURE
<p><b>Quietest Departures</b>            A. Quietest Departure            B. Minimize Higher Noise Events            C. Quietest Fleet</p> 	<p>Acknowledge operators that produce the least amount of measurable noise on departure through the Newport Back Bay.</p> 	<ul style="list-style-type: none"> <li>• Measured average Single Event Noise Exposure Level (SENEL) at seven south noise monitoring locations.</li> <li>• Minimum higher noise level events measured at seven south noise monitoring station locations.</li> <li>• Number of Plus 10 Stage 5 aircraft in the operator's fleet.</li> <li>• Low average SENEL, no high noise level events and all Plus 10 Stage 5 receives highest score (100%)</li> </ul>
<p><b>Nighttime Noise Reduction</b></p> 	<p>Voluntary reduction of non-emergency flights during the following hours:</p> <ul style="list-style-type: none"> <li>• Departures: 10 pm – 7 am M-F &amp; 8 am Sunday</li> <li>• Arrivals: 11 pm – 7 am M-F &amp; 8 am Sunday</li> </ul>	<ul style="list-style-type: none"> <li>• Number of operations during nighttime hours</li> <li>• Low score occurs when there are a higher number of nighttime operations.</li> <li>• Zero nighttime operations are considered the highest score (100%)</li> </ul>
<p><b>Environmental Stewardship &amp; Sustainability (Bonus Element)</b></p>  <p><b>Most Engaging (Bonus Element)</b></p> 	<p>Contribute up to \$4,500 to support local sustainability initiatives</p> <p>Voluntarily implement outreach and education efforts</p>	<ul style="list-style-type: none"> <li>• Irvine Ranch Conservancy ecological restoration and habitat enhancements</li> <li>• Newport Bay Ecological Reserve &amp; Nature Preserve wetland habitat restoration</li> <li>• Provide noise abatement education training to pilots</li> <li>• Distribute Fly Friendly materials</li> <li>• Attend up to five meetings per year of any Orange County community meeting focused on aviation impacts</li> </ul>

It is important to emphasize that the primary purpose of the Fly Friendly Program is to encourage operators by rewarding adherence with voluntary noise abatement practices. By providing this information publicly, Fly Friendly enables operators to engage in informed self-evaluation and improvement. Positive reinforcement and public acknowledgements are expected to be strong incentives for operator performance. Public recognition and individual letters will be sent to the top operators in each of the four tiers below. In addition, all operators that participated in the 2022 Fly Friendly program, will receive a copy of the annual report, as well as an individual score card for their company.

General Aviation jet operators included in the Fly Friendly program are divided into Part 135 operators and single operators. Title 14 Code of Federal Regulations (14 CFR) Part 135 operators are those that have multiple aircraft and typically operate a fleet of aircraft. Single aircraft operators are those that utilize a single aircraft for all operations at JWA. These operators are then divided into four tiers based on the number of annual operations. It is important to note that Part 135 operators (charter) are separated from N-Number operators because the Part 135 operators have much more frequent operations. For tracking purposes, one operation is defined as a takeoff or a landing; therefore, a takeoff and a landing are two operations. Table 2 defines these scoring tiers.

**Table 2: John Wayne Airport Fly Friendly Scoring Tier**

Scoring Tier	Classification by Operator Type & Number of Annual Operations
Tier 1	<ul style="list-style-type: none"> <li>• Part 135 operators</li> <li>• Top 15 in annual operations</li> </ul>
Tier 2	<ul style="list-style-type: none"> <li>• Part 135 operators</li> <li>• Operators ranked 16 – 30 in annual operations</li> </ul>
Tier 3	<ul style="list-style-type: none"> <li>• Part 135 operators</li> <li>• Remaining Part 135 operators with at least 24 annual operations (12 arrivals and 12 departures)</li> </ul>
Tier 4	<ul style="list-style-type: none"> <li>• N-Number operators</li> <li>• Operators with at least 24 annual operations (12 arrivals and 12 departures)</li> </ul>

## 2.2 Primary Program Elements

The Fly Friendly program consists of two primary elements and two bonus elements presented in the following sections.

### 2.2.1 Quietest Departures

#### Summary

Awards points to GA jet operators whose aircraft produce the least amount of measurable noise on departure over the full initiative year, as verified by the Airport's noise monitoring system data. This measure has three subelements that include: (1) the average measured noise levels from noise monitoring stations (NMS) 1S, 2S, 3S, 4S, 5S, 6S and 7S; (2) minimize higher noise events and (3) the percent of the operator's fleet that are the quietest available aircraft based upon noise certification. Ways to achieve reduced noise include, but are not limited to:

- Technical: Acquire and utilize newer, quieter aircraft
- Operational: Fly aircraft in accordance with the quietest GA jet departure procedure for JWA including the National Business Aviation Association's (NBAA) Standard Noise Abatement Departure Procedure (NADP); details available at [www.ocair.com/flyfriendly](http://www.ocair.com/flyfriendly).

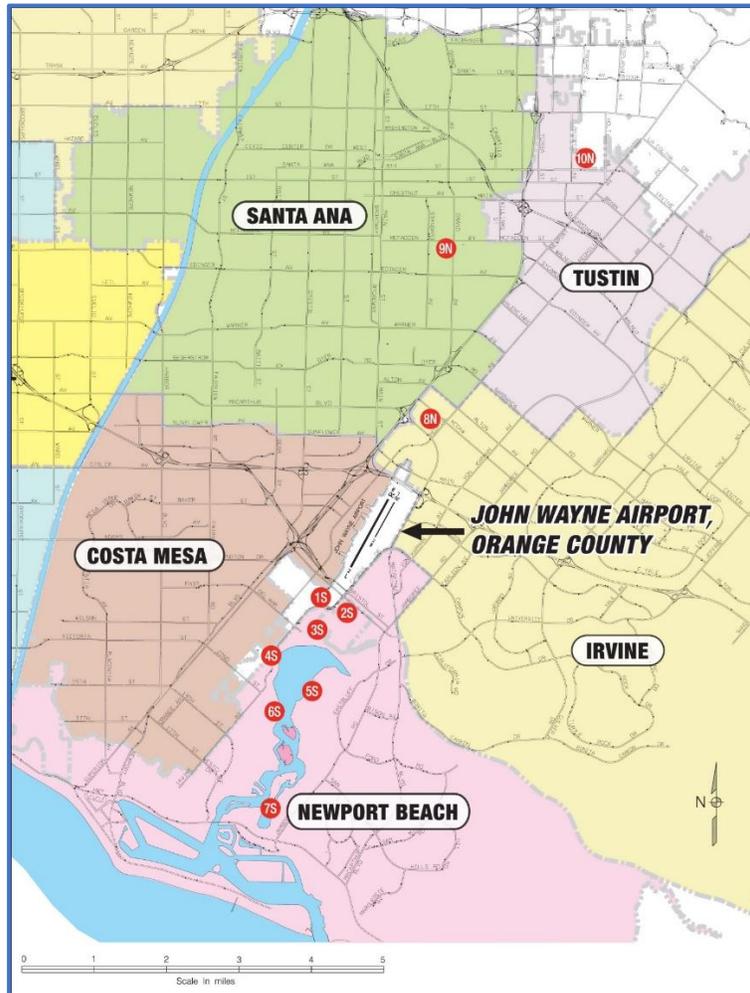
***This element is worth up to 75 points.***

#### Methodology

The method for quantifying the quietest departure element consists of three (3) subelements totaling a maximum of 75 points; these subelements are listed below:

Quiet Departure Noise Score (subelement 50 pts). This is determined from the average noise generated during departure on Runway 20R at each of the seven NMS locations to the south along the Newport Back Bay departure route (NMS 1S through 7S). The NMS locations are shown in **Figure 1**. The noise monitoring system collects the operational information and flight path data for the GA jet departures at JWA. The system also continuously measures the noise levels at each of these seven locations and are then correlated with the aircraft that cause the noise event. The noise metric used to quantify the noise level from each event is the Single Event Noise Exposure Level (SENEL). The measured SENEL values for an operation at each of the seven NMS locations are then averaged to determine the noise associated with that departure. A lower average noise level results in a higher quiet departure noise score. The scaling of the noise levels is based upon historical noise levels measured at JWA. The scaling is intended to provide the opportunity to show change in the average departure noise over time and allow room for the anticipated reduction in future noise levels. For example, an average departure noise of 75 decibels (dB) SENEL earns the full 50 points and an average of 95 dB SENEL results in 0 points.

**Figure 1 – Noise Monitoring Station Locations**



For the Fly Friendly program, a threshold of 55 dBA is used for NMS 4S, 5S, 6S and 7S; this is due to the NMS locations and the associated analysis of aircraft noise events over the past four years. These NMS may register aircraft events lower than 65 dBA, therefore the lower threshold of 55 dBA SENEL will be utilized to ensure the Fly Friendly program captures all aircraft-related noise events. Occasionally, there will be operations that do not generate a noise event at all seven NMS locations. For any missing events, a predicted level is used to make certain there is complete data in the calculations.

*Minimize Higher Noise Events Score (subelement 20 pts).* The goal of this subelement is to quantify and minimize the number of noise events that are higher than the typical noise events generated by departing GA jet aircraft. A higher noise event may occur at an NMS if: the aircraft is an older

generation louder aircraft, flown using additional thrust, flown lateral to the path over an NMS not normally overflown, or flown lower than typical for that location. The voluntary Fly Friendly high noise event level is different for each NMS location; historic data is used to determine the level to use at each NMS. Roughly, 10% of the noise events exceed the Fly Friendly NMS level based upon historical operations over the past four years. The level at night is 5 dBA lower than the value used during the daytime to account for the overall quieter ambient levels at night. If an operator does not exceed the level for any operation, they will receive a score of 20 points. The more exceedances per total operations, the lower the Fly Friendly score.

The total number of exceedances is compared with the total Runway 20R departures to calculate the percentage per departure. The high noise event level criteria for each NMS is presented below. If a noise event is generated that is above this level, then a high noise event is logged. One single departure could have as many as seven high noise events per departure if the level is exceeded at each of the NMS locations.

**Table 3 – Noise Monitoring Station Fly Friendly Daytime/Nighttime Single Event Noise Exposure Level (SENEL)**

NMS	Day SENEL	Night SENEL
1S	92	87
2S	92	87
3S	92	87
4S	88	83
5S	88	83
6S	89	84
7S	85	80

Quietest Fleet Score (subelement 5 pts). This Fly Friendly measure is designed to acknowledge and encourage the use of the quietest GA jet aircraft that are available today or potentially in the foreseeable future. This measure is based upon the FAA’s Noise Certification 14 CFR Part 36 noise level. The most complete data for aircraft noise certification is the European Union Aviation Safety Agency (EASA) and is used in conjunction with the FAA’s certification data. An aircraft qualifies if its highest noise certification level of the three measurement points within the Certification Noise Levels databases is 10 dB (identified as Plus 10 in this report) or greater than the FAA Stage 5 noise certification level for the lowest certification test. Stage 5 is currently the most stringent noise certification limit; aircraft certified as 14 CFR Part 36 Stage 5 represent the quietest aircraft available based upon their certification. This measure totals the percentage of an operator’s fleet that is Plus 10 Stage 5 at JWA. If an operator flies an all Plus 10 Stage 5 fleet or is a single operator

of a Plus 10 Stage 5 aircraft, their score is 100% and represents 5 points. An operator with no Plus 10 Stage 5 aircraft at JWA would receive a score of 0, and a mixed fleet would receive a score between 0 and 5 based upon the percentage of Plus 10 Stage 5 operations. The aircraft that qualify as Plus 10 Stage 5 are listed in Table 4.

**Table 4 – Plus 10 Stage 5 Qualified Aircraft**

Aircraft	Description
C25M	525 Citation M2
C510	Cessna 510 Citation Mustang
C525	Cessna 525 CITATION CJ1
C680	Cessna 680 Citation Sovereign
C68A	Cessna 680 Citation Latitude
C750	Cessna 750 Citation X
E50P	Embraer EMB-500 Phenom 100
E545	Embraer EMB-545 Phenom 300
E55P	Embraer EMB-505 Phenom 300
EA50	Eclipse 500
HDJT	HA-420 HONDAJET
LJ60	Learjet 60
SF50	Cirrus SF-50 Vision

### 2.2.2 Nighttime Noise Reduction

#### *Summary*

Awards points to GA jet operators who can demonstrate the highest voluntary reduction in their number of non-emergency flights, when safely possible, during nighttime/early-morning hours.

**This element is worth up to 25 points.**

#### *Methodology*

This measure tracks the number of operations that occur during nighttime/early-morning hours. Using data from the Airport’s noise monitoring system, aircraft that depart or arrive during

nighttime/early-morning hours are identified. The operation time is based upon noise event time at NMS locations (the same enforcement protocol used in identifying General Aviation Noise Ordinance (GANO) violations). The nighttime/early-morning hours are as follows:

- Departures: 10 p.m. to 7 a.m. Monday through Saturday and 8 a.m. Sunday
- Arrivals: 11 p.m. to 7 a.m. Monday through Saturday and 8 a.m. Sunday

## 2.3 Bonus Elements

### 2.3.1 Environmental Stewardship & Sustainability

#### Summary

Awards points to GA operators that contribute up to \$4,500 per calendar year to support local ecological restoration.

**This element is worth up to 5 points.**

#### Methodology

Awards points to operators who contribute up to \$4,500 per calendar year to support:

- The production of native plants for use in ecological restoration and habitat enhancement projects in canyon areas impacted by wildfires through the Irvine Ranch Conservancy (IRC) at <http://www.irconservancy.org/donate.html>; or
- The restoration of native wetland habitats in the Newport Bay Ecological Reserve and Nature Preserve through the Newport Bay Conservancy (NBC) at <https://newportbay.org/home/transactions/donate/>

Donations will be tracked by the IRC and the NBC and reported quarterly to JWA.

- \$500 = 1 point
- \$1,500 = 2 points
- \$2,500 = 3 points
- \$3,500 = 4 points
- \$4,500 = 5 points

### 2.3.2 Most Engaging

#### Summary

Awards points to those that voluntarily implement outreach and education efforts, and who attend any Orange County community meeting focused on aviation impacts. One point is awarded for each

outreach/educational effort completed or meeting attended throughout the calendar year.

**This element is worth up to 5 points.**

### Methodology

This category relies on operators being actively involved in the Fly Friendly program by either providing noise abatement education to pilots; distributing Fly Friendly program toolkit materials in the community; and/or attending up to (five) 5 meetings per year of any Orange County community meeting focused on aviation impacts. Options for attendance at community meetings include virtual and in-person, including but not limited to the following:

- County of Orange Board of Supervisors meeting related to Airport noise and operations.
- John Wayne Airport Quarterly Noise meeting
- Newport Beach Aviation Committee meeting

## **2.4 Outreach & Marketing**

The Fly Friendly program launched on August 17, 2022, with a press conference held at the Airport's administrative office. Following is the press, marketing, and community outreach that was conducted to promote the new program.

- Press release and press conference to announce launch of program
- Printed brochure and Pilot Quick Card mailed to more than 600 aircraft operators and Fixed Based Operators (FBO) and with General Aviation Noise Ordinance first-time violation letters
- Digital display ads provided to FBO's for inclusion in their pilot facilities
- Direct phone calls to more than 30 operators regarding the program
- Social media campaign, including:
  - Twitter, Instagram, Facebook and LinkedIn promoting program - 15 weeks
  - Target audience: media/aviation industry, pilots, community
  - Social media outreach to continue following announcement of winners – 15 weeks

### 3. 2022 Program Results

The results are presented in four tiers divided by type of operation – Part 135 or N-Number defined by the number of annual operations. The Fly Friendly program results for calendar year 2022 are presented in **Figures 2 – 5 for Tier 1 through 4**, respectively. In all the figures, those operators with high scoring values are highlighted in dark green; this is a score that is 90% or better and labeled “Top Scores.” Operators with scores between 89-60% are shown in light green and labeled “Compliant Scores” and operators with scores below 60% are shown in yellow and labeled “Low Scores.”

#### 3.1 Tier 1 Results: Top 15 Part 135 Operators by Annual Operations

The results for the top 15 Part 135 operators defined by the number of annual operations are presented in **Figure 2**. The operator with the highest score is Mountain Aviation, scoring 91.3%, which includes a near perfect score for minimizing high noise events. Of the 15 operators in this tier, Mountain Aviation scored in the Top Scores category and the remaining 14 operators scored in the Compliant Scores category. There were no operators in the Low Scores category.

#### 3.2 Tier 2 Results: Top 16 – 30 Part 135 Operators by Annual Operations

The results for the Part 135 operators that were the top 16 – 30 operators defined by the number of annual operations are presented in **Figure 3**. All operators scored in the Compliant Scores category, earning between 89%-60%. The operator with the highest score is Air Transport (ATI Jet), scoring 89.7%, which includes a perfect score for minimizing high noise events. There were no operators in the Top or Low Scores categories.

#### 3.3 Tier 3 Results: Remaining Part 135 Operators with 24 or more Operations

The results for the Part 135 operators that had at least 24 operations per year (12 takeoffs and 12 landings) are presented in **Figure 4**. The operators scored in all three categories - Top, Compliant, and Low. The operator with the highest score is Baker Aviation, scoring 93.3%, which includes a perfect score for minimizing high noise events.

#### 3.4 Tier 4 Results: N-Number Operators with 24 or more Operations

The results for the N-number operators that had at least 24 operations per year (12 takeoffs and 12 landings) are presented in **Figure 5**. The operators scored in all three categories - Top, Compliant, and Low – with the majority of the operators scoring in the Compliant Scores category. The operator with the highest score is White Pines Leasing LLC, scoring 99.7%, which includes a perfect score for minimizing high noise events and nighttime noise reduction, as well as operating an aircraft that generates lower noise, qualifying them for the Plus 10 Stage 5 category.

Figure 2 – Tier 1 Results

OPERATORS				QUIETEST DEPARTURES				NIGHTTIME NOISE REDUCTION	ENVIRONMENTAL STEWARDSHIP & SUSTAINABILITY	MOST ENGAGING	TOTAL SCORE
Call Sign / N-Number	Operator	Total Ops	Primary Aircraft Type	Quiet Departure Noise Score (50 Points)	Minimum Higher Noise Events Score (20 Points)	Quietest Fleet Score (5 Points)	Quietest Departure Total Score (75 Total Points)	Nighttime Noise Reduction Score (25 Points)	Environmental Stewardship & Sustainability (Up to 5 Points)	Most Engaging (Up to 5 Points)	Total FLY FRIENDLY Score (100 Points)
FTH	Mountain Aviation	455	C750	42.8	19.3	4.6	66.6	24.7	0.0	0.0	91.3
EJA	NetJets Aviation	6,345	C68A	38.1	18.9	2.6	59.6	24.9	0.0	0.0	84.5
TIV	Thrive Aviation	316	C25B	38.2	19.5	1.9	59.6	24.2	0.0	0.0	83.8
XOJ	XOJet	492	C750	38.3	18.4	2.4	59.1	24.5	0.0	0.0	83.6
LXJ	Bombardier FlexJet	2,082	CL30	37.3	18.8	2.5	58.5	23.8	0.0	0.0	82.3
PXT	Pacific Coast Jet	156	C25B	36.8	18.7	1.4	57.0	25.0	0.0	0.0	82.0
SIS	Silver Air Airlines	183	CL30	36.9	18.3	1.2	56.4	25.0	0.0	0.0	81.4
PFT	Paragon Airways	1,152	C56X	39.1	19.5	1.1	59.7	20.9	0.0	0.0	80.5
EDG	Jet Edge	417	GLF4	37.6	18.2	0.0	55.8	24.7	0.0	0.0	80.5
PEG	Pegasus Elite Aviation	161	GLF4	35.9	17.9	0.6	54.4	25.0	0.0	0.0	79.4
TWY	Sunset Aviation	236	CL30	37.6	17.9	0.2	55.7	23.4	0.0	0.0	79.1
EJM	Executive Jet Management	604	F2TH	34.9	16.5	0.7	52.1	25.0	0.0	0.0	77.1
KFB	STAjets	373	GLF4	35.0	17.0	0.0	52.0	25.0	0.0	0.0	77.0
DPJ	Wheels Up Private Jets	240	BE40	34.8	15.7	0.0	50.6	24.5	0.0	0.0	75.0
RGY	Regency Airlines	1,070	BE40	33.7	16.5	0.0	50.2	18.1	0.0	0.0	68.3

Figure 3 – Tier 2 Results

OPERATORS				QUIETEST DEPARTURES				NIGHTTIME NOISE REDUCTION	ENVIRONMENTAL STEWARDSHIP & SUSTAINABILITY	MOST ENGAGING	TOTAL SCORE
Call Sign / N-Number	Operator	Total Ops	Primary Aircraft Type	Quiet Departure Noise Score (50 Points)	Minimum Higher Noise Events Score (20 Points)	Quietest Fleet Score (5 Points)	Quietest Departure Total Score (75 Total Points)	Nighttime Noise Reduction Score (25 Points)	Environmental Stewardship & Sustainability (Up to 5 Points)	Most Engaging (Up to 5 Points)	Total FLY FRIENDLY Score (100 Points)
CYO	Air Transport (ATI Jet)	101	LJ60	40.1	19.7	4.9	64.7	25.0	0.0	0.0	89.7
IJA	International Jet Aviatio	86	CL60	43.6	19.7	1.3	64.6	25.0	0.0	0.0	89.6
GDG	SP Aviation	97	CL60	43.5	19.5	0.2	63.1	25.0	0.0	0.0	88.1
GJE	Global Jet	140	C750	41.6	19.4	2.4	63.5	24.1	0.0	0.0	87.6
DJR	Desert Jet	147	C680	39.4	19.3	1.9	60.5	25.0	0.0	0.0	85.5
JTZ	Nicholas Air	107	E55P	36.9	19.0	4.1	60.0	25.0	0.0	0.0	85.0
JTL	Jet Linx	145	C56X	39.6	18.8	0.9	59.4	25.0	0.0	0.0	84.4
ASP	AirSprint	116	E545	37.9	19.7	1.9	59.5	23.9	0.0	0.0	83.4
WSN	Advanced Air	97	CL30	39.0	19.1	0.0	58.1	25.0	0.0	0.0	83.1
JRE	Fly Exclusive	125	C56X	39.1	19.3	1.6	60.1	23.0	0.0	0.0	83.1
XSR	Airshare	135	E55P	36.2	18.9	1.9	57.1	25.0	0.0	0.0	82.1
SVL	Sun Devil Aviation	120	C25B	36.4	19.0	0.0	55.4	24.0	0.0	0.0	79.4
DCM	FitPlan.com	142	GLF4	35.2	16.6	0.4	52.2	24.1	0.0	0.0	76.3
SDU	Dumont Aviation	121	GLF4	34.7	17.1	0.0	51.8	22.9	0.0	0.0	74.8
TBL	Bell Aliant Regional Comm	152	C525	33.7	13.2	1.9	48.8	22.5	0.0	0.0	71.3

Figure 4 – Tier 3 Results

OPERATORS				QUIETEST DEPARTURES				NIGHTTIME NOISE REDUCTION	ENVIRONMENTAL STEWARDSHIP & SUSTAINABILITY	MOST ENGAGING	TOTAL SCORE
Call Sign / N-Number	Operator	Total Ops	Primary Aircraft Type	Quiet Departure Noise Score (50 Points)	Minimum Higher Noise Events Score (20 Points)	Quietest Fleet Score (5 Points)	Quietest Departure Total Score (75 Total Points)	Nighttime Noise Reduction Score (25 Points)	Environmental Stewardship & Sustainability (Up to 5 Points)	Most Engaging (Up to 5 Points)	Total FLY FRIENDLY Score (100 Points)
KOW	Baker Aviation	24	C750	43.3	20.0	5.0	68.3	25.0	0.0	0.0	93.3
CTF	Cutter Aviation	57	HJ1T	37.8	19.6	4.1	61.6	25.0	0.0	0.0	86.6
FTD	AB Jets	59	LJ60	39.0	19.2	5.0	63.2	22.9	0.0	0.0	86.1
CAK	Southwest Aircraft Charte	32	LJ45	40.8	20.0	0.0	60.8	25.0	0.0	0.0	85.8
WCC	West Coast Air	78	C680	36.0	19.8	5.0	60.7	25.0	0.0	0.0	85.7
JSP	Jetstream Aviation	40	LJ45	41.5	19.3	0.0	60.7	25.0	0.0	0.0	85.7
DLX	Dreamline Aviation	58	LJ45	42.6	19.7	0.5	62.8	22.8	0.0	0.0	85.6
XLJ	Xcel Jet	82	LJ45	38.8	19.4	0.0	58.2	25.0	0.0	0.0	83.2
YEL	Summit Aviation	24	E55P	34.7	17.9	5.0	57.6	25.0	0.0	0.0	82.6
MVJ	Mira Vista Aviation	57	GLF4	38.3	19.3	1.8	59.4	22.8	0.0	0.0	82.2
JCY	Aerius Management	33	CL60	39.7	19.4	1.2	60.4	21.2	0.0	0.0	81.6
HER	Hera Flight	38	C750	36.4	16.6	3.3	56.3	25.0	0.0	0.0	81.3
SJA	Sawyer Aviation	64	C525	37.3	19.4	3.3	60.0	21.1	0.0	0.0	81.1
JIT	Jet It Aviation	82	HJ1T	37.0	18.7	4.6	60.4	20.4	0.0	0.0	80.8
LIF	Life Flights (LN ) All	26	LJ35	35.9	17.8	1.5	55.3	25.0	0.0	0.0	80.3
PRE	Precision Airlines	34	C56X	39.3	19.3	0.0	58.6	21.3	0.0	0.0	79.9
SJE	Sun Air Jets	72	H25B	36.1	17.6	1.0	54.8	25.0	0.0	0.0	79.8
FFL	Foreflight	35	C500	35.3	18.3	0.9	54.5	25.0	0.0	0.0	79.5
FWK	Flightworks	30	CL30	35.6	17.8	1.0	54.4	25.0	0.0	0.0	79.4
SLH	Silverhawk Aviation	30	C56X	35.0	16.7	2.0	53.7	25.0	0.0	0.0	78.7
RLJ	Empyrean Jet	35	H25B	34.7	16.9	1.9	53.5	25.0	0.0	0.0	78.5
OKC	Private Jets	67	LJ45	35.3	18.0	0.0	53.3	25.0	0.0	0.0	78.3
SDE	Air Partners Corp	28	C56X	37.1	18.5	1.3	56.9	20.5	0.0	0.0	77.4
CWG	Clear Wing	31	H25B	34.2	17.4	0.5	52.0	25.0	0.0	0.0	77.0
WWI	Worldwide Jet Charter	43	CL60	35.2	16.4	0.0	51.7	25.0	0.0	0.0	76.7
VTE	Corporate Flight Manageme	35	GLEX	34.3	17.0	0.0	51.4	25.0	0.0	0.0	76.4
CNK	Sunwest Home Aviation	24	CL60	36.4	14.2	0.0	50.6	25.0	0.0	0.0	75.6
XSM	Steelman Aviation Inc	28	PC24	33.1	17.2	0.0	50.3	25.0	0.0	0.0	75.3
PKW	Pak West	27	LJ60	37.6	18.1	3.3	59.0	15.7	0.0	0.0	74.7
KPO	NXT Jet	82	GLF4	33.7	16.0	0.0	49.6	23.5	0.0	0.0	73.1
COL	SC Aviation	33	H25B	32.3	15.1	0.0	47.4	25.0	0.0	0.0	72.4
JCM	Secure Air Charter	38	H25B	33.0	14.8	0.0	47.9	21.7	0.0	0.0	69.6
TTE	Avcenter	40	C560	29.5	9.1	0.0	38.6	25.0	0.0	0.0	63.6
VJT	Vistajet	35	GLEX	27.7	7.1	0.0	34.7	25.0	0.0	0.0	59.7

**Figure 5 - Tier 4 Results (25 highest scores in this Tier)**

Call Sign / N-Number	Operator	Total Ops	Primary Aircraft Type	Quiet Departure Noise Score (50 Points)	Minimum Higher Noise Events Score (20 Points)	Quietest Fleet Score (5 Points)	Quietest Departure Total Score (75 Total Points)	Nighttime Noise Reduction Score (25 Points)	Environmental Stewardship & Sustainability (Up to 5 Points)	Most Engaging (Up to 5 Points)	Total FLY FRIENDLY Score (100 Points)
N450NE	White Pines Leasing, LLC	54	EA50	50.0	19.7	5.0	74.7	25.0	0.0	0.0	99.7
N3MT	Robert & Karen Broderson	28	EA50	49.1	20.0	5.0	74.1	25.0	0.0	0.0	99.1
N16VJ	FSB Vision Leasing 232, L	66	SF50	45.2	19.7	4.9	69.8	25.0	0.0	0.0	94.8
N14VJ	Vision Leasing 2020, LLC	28	SF50	44.4	20.0	5.0	69.4	25.0	0.0	0.0	94.4
N30VJ	CIRRUS DESIGN CORP	42	SF50	44.5	19.7	5.0	69.2	25.0	0.0	0.0	94.2
N514X	Newport Sea Pines, LLC	39	C750	45.1	19.0	5.0	69.0	25.0	0.0	0.0	94.0
N265AV	Avmax Aircraft Leasing, I	36	C750	44.0	20.0	5.0	69.0	25.0	0.0	0.0	94.0
N24EP	Visoin Aero LLC	29	SF50	43.8	20.0	5.0	68.8	25.0	0.0	0.0	93.8
N21VJ	FSB Vision Leasing 240, L	25	SF50	43.9	19.6	5.0	68.5	25.0	0.0	0.0	93.5
N28VJ	N28VJ LLC	30	SF50	42.9	19.2	5.0	67.2	25.0	0.0	0.0	92.2
N387SL	Buckys Express, LLC	35	C750	43.0	19.2	5.0	67.2	25.0	0.0	0.0	92.2
N710SC	Up in the Air, LLC	42	E50P	42.4	19.7	5.0	67.1	25.0	0.0	0.0	92.1
N27VJ	COLEMAN LIVERY LLC	39	SF50	45.5	19.7	5.0	70.2	21.8	0.0	0.0	92.0
N8HS	Simon, William Scott	24	SF50	42.5	19.2	5.0	66.6	25.0	0.0	0.0	91.6
N600SJ	Event Hardware, LLC	26	LJ60	41.7	19.8	5.0	66.5	25.0	0.0	0.0	91.5
N787CH	LJ-45, LLC	51	LJ45	46.4	19.9	0.1	66.3	25.0	0.0	0.0	91.3
N1022G	New Legend, Inc.	32	C525	41.4	19.6	5.0	66.0	25.0	0.0	0.0	91.0
N108KN	Ithaka Charter, LLC	36	LJ45	46.2	19.8	0.0	66.0	25.0	0.0	0.0	91.0
N7886	Polar Bear Express, LLC	36	CL60	46.2	19.6	0.0	65.8	25.0	0.0	0.0	90.8
N7DC	Blue Rock Flyers, LLC	26	E50P	41.3	19.5	5.0	65.8	25.0	0.0	0.0	90.8
N1111S	TEXTRON AVIATION INC	52	C25M	40.4	20.0	4.9	65.3	25.0	0.0	0.0	90.3
N119HC	TERRIBLE HERBST INC	53	C25M	42.7	19.9	5.0	67.6	22.6	0.0	0.0	90.3
N460RM	Mustang Two, LLC	80	C525	40.6	19.6	5.0	65.2	25.0	0.0	0.0	90.2
N570RR	RMR Capital Aviation, LLC	36	LJ60	40.6	19.5	5.0	65.1	25.0	0.0	0.0	90.1
N54JC	Tuck Aviation, LLC	42	CL60	45.3	19.7	0.0	65.0	25.0	0.0	0.0	90.0

The scoring system for Fly Friendly was scaled to have a 100-point score acknowledging an operator that has the best performance possible with available quieter aircraft technology and fulfilling the goals of the Airport’s Fly Friendly program. A low score reflects an operator that operates higher noise level aircraft technology and does not fully fulfill the goals of the Airport’s Fly Friendly program. The average fleet-wide score reflects a mid-level value of how operators are currently performing which allows opportunity to implement best practices for improvement. Fly Friendly’s progress can be tracked, both at the operator level and Airport-wide, over time. **Figure 6** below illustrates the annual progress for all four program elements.

**Figure 6 – Annual Progress (Four Program Elements)**

MONTH 2022		QUIETEST DEPARTURES				NIGHTTIME NOISE REDUCTION	ENVIRONMENTAL STEWARDSHIP & SUSTAINABILITY	MOST ENGAGING	TOTAL SCORE
Year Month	Total Business Jet Ops	Quietest Departure Noise Score (50 Points)	Minimum High Noise Events Score (20 Points)	Quietest Fleet Score (5 Points)	Quietest Departure Total Score (75 Total Points)	Nighttime Noise Reduction Score (25 Points)	Environmental Stewardship & Sustainability (Up to 5 Points)	Most Engaging (Up to 5 Points)	Total FLY FRIENDLY Score (100 Points)
Jan 2022	3,321	37.2	18.3	1.3	56.7	23.1	0.0	0.0	79.8
Feb 2022	3,367	38.5	18.6	1.4	58.5	24.0	0.0	0.0	82.5
Mar 2022	3,698	36.1	17.8	1.3	55.3	23.9	0.0	0.0	79.1
Apr 2022	3,703	35.6	17.6	1.4	54.6	23.7	0.0	0.0	78.2
May 2022	3,833	35.6	17.5	1.4	54.5	23.5	0.0	0.0	78.0
Jun 2022	3,653	36.4	17.9	1.4	55.7	23.6	0.0	0.0	79.3
Jul 2022	3,829	36.8	18.4	1.3	56.6	23.8	0.0	0.0	80.4
Aug 2022	3,777	37.0	18.6	1.3	56.9	23.5	0.0	0.0	80.4
Sep 2022	3,803	37.1	18.4	1.3	56.9	23.6	0.0	0.0	80.5
Oct 2022	3,728	35.6	17.7	1.3	54.6	23.4	0.0	0.0	78.0
Nov 2022	3,287	35.8	17.7	1.4	54.9	23.7	0.0	0.0	78.5
Dec 2022	3,315	35.6	17.7	1.3	54.7	24.0	0.0	0.0	78.7
<b>Total</b>	<b>43,314</b>	<b>36.4</b>	<b>18.0</b>	<b>16.1</b>	<b>55.8</b>	<b>23.6</b>	<b>0.0</b>	<b>0.0</b>	<b>79.5</b>

## 4. Summary

The following is a list of the highest scoring operators by Fly Friendly program categories; **Table 5** highlights the top three performers in each scoring tier category.

**Table 5: John Wayne Airport Fly Friendly Scoring Tier Categories, Highest Scoring Operators**

Scoring Tier	Operators
Tier 1	<ul style="list-style-type: none"><li>• Mountain Aviation</li><li>• NetJets Aviation</li><li>• Thrive Aviation</li></ul>
Tier 2	<ul style="list-style-type: none"><li>• Air Transport (ATI Jet)</li><li>• International Jet Aviation</li><li>• SP Aviation</li></ul>
Tier 3	<ul style="list-style-type: none"><li>• Baker Aviation</li><li>• Cutter Aviation</li><li>• AB Jets</li></ul>
Tier 4	<ul style="list-style-type: none"><li>• White Pines Leasing, LLC (N450NE)</li><li>• Robert &amp; Karen Broderson (N3MT)</li><li>• FSB Vision Leasing 232, LLC (N16VJ)</li></ul>

Source: JWA Fly Friendly Program Results, 2022