

**APPENDIX B**  
**DOCUMENTS USED TO CONDUCT THE**  
**2023 GENERAL AVIATION AND PART 135 ACTIVITY SURVEY**

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## Figure B.1. Single Aircraft—Questionnaire

Federal Aviation Administration  
C/O Tetra Tech  
6410 Enterprise Ln, Ste 300  
Madison, WI 53719



### 2023 General Aviation and Part 135 Activity Survey

(As of December 31, 2023)

#### Instructions:

- Please answer questions for the aircraft shown to the right.
- If this is not your aircraft, please check this box ☐ and return the survey in the enclosed postage-paid envelope.
- When entering numbers, use numbers that look like this:
- **Round all numbers to the nearest WHOLE number.**

1	2	3	4	5	6	7	8	9	0
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#### Aircraft Characteristics:

Submission of this form is voluntary. The information obtained in the survey will only be used for statistical purposes and will be kept private to the extent permitted by law. The FAA will not publish any reports or tables that would reveal specific information reported by an individually identifiable respondent.

**When reporting aircraft activity, please report for all users of this aircraft. If you do not know the exact information for a particular question, please provide your best estimate.**

**Q1 Was this aircraft flown in 2023?** (Check "No" only if the aircraft was flown zero hours.)

☐ Yes Continue to Q2

☐ No

**Why was this aircraft inactive?** (Check one)

☐ Sold – Year

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☐ Under construction

☐ Destroyed – Year

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☐ Under maintenance or repair

☐ Museum piece

☐ Parted out/Salvaged

☐ In storage

☐ Other (Specify) \_\_\_\_\_

**The survey is complete. Please return the survey in the enclosed postage-paid envelope.**

**Q2 In 2023, was this aircraft leased to or operated primarily by a FAR Part 121 or 129 air carrier?** (Check one)

☐ Yes

☐ No

**Q3 In 2023, how many total hours did this aircraft fly?** (Include estimated rental and leased hours. If you purchased this aircraft in 2023, please include hours flown for the entire year. NOTE: the total number of hours in a year is 8,760.)

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Hours flown in 2023 (rounded to the nearest WHOLE number - no decimals please)

**Q4 In 2023, what U.S. state or territory was this aircraft primarily flown?**

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(Please use 2-character state/territory abbreviation)

**Q5 FLIGHT IN ALASKA: In 2023, what percent of the total hours flown was the aircraft flown in Alaska?** (If no hours were flown in Alaska in 2023, please enter 0 below.)

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 %

**Q6** In 2023, what percent of the total hours flown by this aircraft were flown in each of the following categories? (Estimate the percent of total hours flown in 2023 in each of the following categories so that the total equals 100%.)

Category		% of Hrs Flown		
General Use	<b>Personal/Recreation</b> – Flying for personal reasons (excludes business transportation)			%
	<b>Instructional</b> – Flying under the supervision of a flight instructor, including student pilot solo (excludes positioning flights, proficiency flights, training, ferrying, sales demos)			%
	<b>Business Transportation</b> – ( <b><u>without</u></b> a paid flight crew) – Individual or group use for, or in the furtherance of, a business			%
	<b>Business Transportation</b> – ( <b><u>with</u></b> a paid flight crew) – Individual or group business transportation (includes fractional ownership)			%
	<b>Air Medical Services</b> – Air ambulance services, rescue, human organ transportation, emergency medical services (excludes AMS conducted under FAR Part 135)			%
	<b>Sight-seeing</b> – Commercial sight-seeing conducted under FAR Part 91			%
	<b>Aerial Observation</b> – Aerial mapping/photography, patrol, search and rescue, hunting, traffic advisory, ranching, surveillance, oil and mineral exploration, etc.			%
	<b>Aerial Application in Agriculture and Forestry</b> – Crop and timber production, including fertilizer and pesticide application			%
	<b>Other Aerial Application</b> – Public health sprayings, cloud seeding, fire fighting including forest fires, etc.			%
	<b>External Load</b> – Operation under FAR Part 133, rotorcraft external load operations, examples include: helicopter hoist, hauling logs, etc.			%
	<b>Other Work Use</b> – Construction work (excluding FAR Part 135 operation), parachuting, aerial advertising, towing gliders, etc.			%
	<b>Other</b> – Positioning flights, proficiency flights, training, ferrying, sales demos, etc.			%
FAR Part 135	<b>Air Taxi</b> – FAR Part 135 <u>on-demand</u> passenger and all cargo operations (excluding air tours, air medical services, or scheduled passenger service)			%
	<b>Air Tours</b> – Commercial sight-seeing conducted under FAR Part 135			%
	<b>Air Medical Services</b> – Air ambulance services, rescue, human organ transportation, emergency medical services conducted under FAR Part 135			%
	<b>Commuter</b> – FAR Part 135 <u>scheduled</u> passenger service only			%
<b>TOTAL OF <u>ALL</u> USES</b>		<b>100%</b>		

**Q7** In 2023, what percent of the total hours flown was the aircraft rented or leased to others? (Include all hours where someone other than an owner paid to operate the aircraft, including instructional flights. Enter 0 if the aircraft was not rented or leased to others.)

%

**Q8** In 2023, what percent of the total hours flown was the aircraft owned or hired by the federal, state, or local government for the purpose of fulfilling a governmental function? (Enter 0 if the aircraft was not used for the purpose of fulfilling a governmental function.)

%

**Q9** In 2023, was this aircraft certified and maintained to operate under instrument flight rules (IFR)?  
(Check one)

- ☐ Yes  
☐ No

**Q10** In 2023, what percent of the total hours flown by this aircraft were FILED under....? (Estimate the percent of total hours flown in 2023 in each of the following categories so that the total equals 100%.)

FILED Flight Plans	Percent of Hours Flown			
VFR Flight Plans				%
IFR Flight Plans				%
No Flight Plans				%
Total of <u>ALL</u> Hours Flown	100%			

**Q11** In 2023, how many landings did this aircraft perform? (Include water & touch-and-go landings.)

Number of 2023 landings

**Q12** In 2023, what type of landing gear system did this aircraft primarily use? (Check one)

- ☐ Fixed wheels                      ☐ Straight floats                      ☐ Other (e.g., skis)  
☐ Retractable wheels              ☐ Amphibious floats                  ☐ None (e.g., hot air balloon)

**Q13** In 2023, what kind/grade of fuel was primarily used in this aircraft? (Check one)

- ☐ Jet Fuel    ☐ Propane/LP Gas  
☐ Automotive Gasoline                              ☐ Other (Specify) \_\_\_\_\_  
☐ Aviation Fuel: 100-Low Lead                      ☐ None  
☐ Aviation Fuel: Low Octane Unleaded (UL91, UL94)

**Q14** In 2023, what was the average fuel burn rate (in gallons per hour) for this aircraft?

Gallons per hour (rounded to the nearest WHOLE number - no decimals please)

**Q15** What were the total lifetime airframe hours as of December 31, 2023?

Lifetime airframe hours (rounded to the nearest WHOLE number - no decimals please)

**Q16** In 2023, was the aircraft equipped with ice protection on any of the following?  
(Check all that apply)

- ☐ Wing                      ☐ Propeller                      ☐ Stall warning sensor  
☐ Horizontal tail              ☐ Windshield                      ☐ Pitot system  
☐ Vertical tail                  ☐ Engine (Nacelle lip or inertial separator)              ☐ None



**Q17 Installed Avionics Equipment: Check all boxes below that reflect this aircraft's installed avionics equipment as of December 31, 2023. (Check the box if the aircraft has the equipment listed.)**

**Installed General Equipment**

- ☐ Electrical System
- ☐ Electronic Primary Flight Display (PFD)
- ☐ Multi-Function Display (MFD)
- ☐ Electronic Flight Bag (EFB) – Installed
- ☐ Electronic Engine Monitor
- ☐ Terrain Awareness Warning System (TAWS)
- ☐ Collision Avoidance (TCAS, TCAD, TIS)
- ☐ Emergency Locator Transmitter: 121.5 MHz
- ☐ Emergency Locator Transmitter: 406 MHz
- ☐ Air Bag
- ☐ Ballistic Parachute
- ☐ Angle of Attack Display
- ☐ Envelope Protection

**Installed Transponder/Surveillance Equipment**

- ☐ Mode 3/A/C
- ☐ Mode S
- ☐ ADS-B Out (UAT and/or 1090ES)
- ☐ ADS-B In/Receive
  - ☐ UAT only; or,
  - ☐ 1090ES only; or,
  - ☐ UAT and 1090ES Dual-Band

**Installed Communications Equipment**

- ☐ 50 kHz radio (360 channel)
- ☐ 25 kHz radio (720 channel)
- ☐ 8.33 kHz radio (2280 channel)
- ☐ HF Radio
- ☐ Datalink
  - ☐ SATCOM (Comsat, Inmarsat)
  - ☐ ACARS (AFIS)
  - ☐ FANS (1/A)

**Installed Weather Equipment:**

- ☐ Airborne Weather Radar
- ☐ Data Link Flight Information (UAT, XM, WSI)
- ☐ Lightning Detection Equipment

**Installed Recording Equipment**

- ☐ Flight Data Recorder
- ☐ Cockpit Voice Recorder
- ☐ Quick Access Recorder
- ☐ Cockpit Image Recorder
- ☐ Recording Capability in PFD/MFD (SD card)

**Installed Navigation Equipment**

Global Position System Operational Capability

- ☐ Not IFR approved
- ☐ IFR-approved for enroute operation only
- ☐ IFR-approved for enroute & terminal operation
- ☐ IFR-approved for LNAV or LNAV/VNAV approach operation
- ☐ IFR-approved for LPV approach
- ☐ Baro-VNAV for Approach Vertical Guidance
- ☐ Moving map capability
- ☐ Inertial Reference / Navigation System
- ☐ VOR/DME-based Area Navigation (RNAV)
- ☐ DME/DME-based Area Navigation (RNAV)
- ☐ DME
- ☐ ILS
- ☐ 100 channel VOR receiver
- ☐ 200 channel VOR receiver

**Installed Guidance and Control Equipment**

- ☐ Flight Management System
- ☐ Flight Director
- ☐ Autopilot-Axis Control
  - ☐ Lateral Guidance
  - ☐ Approach Mode (vertical guidance)
- ☐ Horizontal Situation Indicator (HSI)
- ☐ Heads Up Display
- ☐ Enhanced Vision System (EVS)
- ☐ Enhanced Flight Vision System (EFVS)
- ☐ Synthetic Vision System (SVS)
- ☐ Combined Vision System (CVS)

**– Agency Display of Estimated Burden of the General Aviation and Part 135 Activity Survey –**

The public reporting burden for this collection of information is estimated to average 20 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to:

Information Collection Clearance Officer  
Federal Aviation Administration  
10101 Hillwood Parkway  
Fort Worth, TX 76177-1524

Office of Management and Budget  
Paperwork Reduction Project  
OMB (2120-0060) Expiration 11/30/2024  
Washington, DC 20503

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Figure B.2. Single Aircraft—Short Form Questionnaire

Federal Aviation Administration  
C/O Tetra Tech  
6410 Enterprise Ln, Ste 300  
Madison, WI 53719



## 2023 General Aviation and Part 135 Activity Survey

(As of December 31, 2023)

Submission of this form is voluntary. The information obtained in the survey will only be used for statistical purposes and will be kept private to the extent permitted by law. The FAA will not publish any reports or tables that would reveal specific information reported by an individually identifiable respondent.

### Aircraft Characteristics:

When reporting aircraft activity, please report for **all users of this aircraft**. If you do not know the exact information for a particular question, please provide your **best estimate**.

**Q1 Was this aircraft flown in 2023?** (Check "No" only if the aircraft was flown zero hours.)

☐ Yes → Continue to Q2

☐ No → Why was this aircraft inactive? (e.g., destroyed, museum piece, in storage, etc...)

The survey is complete. Please return the survey in the enclosed postage-paid envelope.

**Q2 In 2023, how many total hours did this aircraft fly?** (Include estimated rental and leased hours. If you purchased this aircraft in 2023, please include hours flown for the entire year.)

Hours flown in 2023 (rounded to the nearest WHOLE number - no decimals please)

**Q3 FLIGHT IN ALASKA:** In 2023, what percent of the total hours flown was the aircraft flown in Alaska? (If no hours were flown in Alaska in 2023, please enter 0 below.)

%

**Q4 What was the average fuel burn rate (in gallons per hour) for this aircraft in 2023?**

Gallons per hour (rounded to the nearest WHOLE number - no decimals)

**Q5 In 2023, did this aircraft have an installed ADS-B Out device?**

☐ Yes

☐ No

**Q6 In 2023, did this aircraft have an installed ADS-B In receiver?**

☐ Yes

☐ No

**Q7** In 2023, what percent of the total hours flown by this aircraft were flown in each of the following categories? (Estimate the percent of total hours flown in 2023 in each of the following categories so that the total equals 100%.)

Category		% of Hrs Flown	
General Use	<b>Personal/Recreation</b> – Flying for personal reasons (excludes business transportation)		%
	<b>Instructional</b> – Flying under the supervision of a flight instructor, including student pilot solo (excludes positioning flights, proficiency flights, training, ferrying, sales demos)		%
	<b>Business Transportation</b> – ( <u>without</u> a paid flight crew) – Individual or group use for, or in the furtherance of, a business		%
	<b>Business Transportation</b> – ( <u>with</u> a paid flight crew) – Individual or group business transportation (includes fractional ownership)		%
	<b>Air Medical Services</b> – Air ambulance services, rescue, human organ transportation, emergency medical services (excludes AMS conducted under FAR Part 135)		%
	<b>Sight-seeing</b> – Commercial sight-seeing conducted under FAR Part 91		%
	<b>Aerial Observation</b> – Aerial mapping/photography, patrol, search and rescue, hunting, traffic advisory, ranching, surveillance, oil and mineral exploration, etc.		%
	<b>Aerial Application in Agriculture and Forestry</b> – Crop and timber production, including fertilizer and pesticide application		%
	<b>Other Aerial Application</b> – Public health sprayings, cloud seeding, fire fighting including forest fires, etc.		%
	<b>External Load</b> – Operation under FAR Part 133, rotorcraft external load operations, examples include: helicopter hoist, hauling logs, etc.		%
	<b>Other Work Use</b> – Construction work (excluding FAR Part 135 operation), parachuting, aerial advertising, towing gliders, etc.		%
	<b>Other</b> – Positioning flights, proficiency flights, training, ferrying, sales demos, etc.		%
FAR Part 135	<b>Air Taxi</b> – FAR Part 135 <u>on-demand</u> passenger and all cargo operations (excluding air tours, air medical services, or scheduled passenger service)		%
	<b>Air Tours</b> – Commercial sight-seeing conducted under FAR Part 135		%
	<b>Air Medical Services</b> – Air ambulance services, rescue, human organ transportation, emergency medical services conducted under FAR Part 135		%
	<b>Commuter</b> – FAR Part 135 <u>scheduled</u> passenger service only		%
<b>TOTAL OF ALL USES</b>		<b>100%</b>	

**Q8** Please provide the email address associated with this aircraft. Your contact information WILL NOT be reported to the FAA or any other government agency. We use this information if we need to clarify your answers, to reduce unnecessary or duplicate mailings, and to make our data collection more cost-effective.

Email address: \_\_\_\_\_

**– Agency Display of Estimated Burden of the General Aviation and Part 135 Activity Survey –**

The public reporting burden for this collection of information is estimated to average 20 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to:

Information Collection Clearance Officer  
Federal Aviation Administration  
10101 Hillwood Parkway  
Fort Worth, TX 76177-1524

Office of Management and Budget  
Paperwork Reduction Project  
OMB (2120-0060) Expiration 11/30/2024  
Washington, DC 20503

Figure B.3. Single Aircraft—Internet Invitation Postcard



Dear Aircraft Owner or Operator,

Each year, the Federal Aviation Administration conducts a survey to calculate fleet size and the hours flown by the general aviation community. Please log on to [www.aviationsurvey.org](http://www.aviationsurvey.org) to complete a survey for the aircraft listed below. Use the aircraft N-number as your password. If you cannot complete the survey on the Internet, you will be sent a paper survey in the mail. It may be helpful to have your flight logbook handy to answer the questions.

N-NUMBER: **SAMPLE**  
MANUFACTURER: **SAMPLE**  
MODEL: **SAMPLE**  
SERIAL: **SAMPLE**

This survey for the FAA is conducted by Tetra Tech, an independent research firm, and your answers will remain completely private. If you have questions about the survey, please call Tetra Tech at 1-800-826-1797. Thank you for your help with this important study.

2023 General Aviation  and Part 135 Activity Survey

OMB (2120-0080) Expiration 11/30/2024

#### Figure B.4. Single Aircraft—Mail 1 Survey Insert for Partial Web Completes

Our records indicate you were unable to complete the 2023 General Aviation and Part 135 Activity Survey on the Internet. We apologize if this was caused by slow server response time or other technical difficulties. It's very important that we include everyone's response in order to represent the general aviation community accurately. We would appreciate it if you would complete the enclosed paper version of the 2023 General Aviation and Part 135 Activity Survey.

Thank you for your help with this important study. If you have any questions, please call Tetra Tech at 1-800-826-1797.

#### Figure B.5. Insert for All Mail Surveys with Alaska Addresses (Single Aircraft and Large Fleet)

Dear Alaskan aircraft owner or operator:

The enclosed survey is an important tool in collecting accurate information on Alaskan aviation.

The **Alaska Airmen Association** and **Alaska Air Carriers Association** strongly support this survey and encourage your participation. The survey is conducted by Tetra Tech, an independent research firm, and your answers will remain completely private.

If we are to set the best course for aviation in Alaska, we need the best data. Please take a few minutes to complete the enclosed survey—it will be time well spent!

Thank you,

Abby Austin  
Executive Director  
Alaska Airmen Association



Will Day  
Executive Director  
Alaska Air Carriers Association



If you have questions, please contact Tetra Tech at 1-800-826-1797 or [infoaviationsurvey@tetrattech.com](mailto:infoaviationsurvey@tetrattech.com).



Figure B.6. Single Aircraft—Mail 1 Cover Letter



U.S. Department  
of Transportation

**Federal Aviation  
Administration**

March 15, 2024

Office of the Administrator

800 Independence Ave., S.W.  
Washington, D.C. 20591

Dear Aircraft Owner or Operator:

The Federal Aviation Administration (FAA) is conducting the 46th annual General Aviation (GA) and Part 135 Activity Survey covering calendar year 2023. We need to hear from you – *even if you did not fly in 2023 or if you filled out a similar survey last year.*

Please respond today at  
**[www.aviationsurvey.org](http://www.aviationsurvey.org)**  
Use your aircraft N-number as the login password

**ABOUT THE SURVEY:**

The GA Survey is the *only source of information on the size, activity, and characteristics of the GA fleet.* As with every year, the FAA uses the survey responses to:

- Compute safety metrics, such as fatal accident rates.
- Understand how the GA industry impacts jobs, economic output, and investments in aviation infrastructure.
- Track the success of safety initiatives, including avionics recommendations.

**WHY SHOULD I RESPOND?**

The FAA and industry need accurate data on a broad range of aircraft. Your participation is voluntary, but we need your help to measure the GA fleet accurately.

**QUESTIONS?**

Answers to frequently asked questions are on the reverse of this letter. For further assistance with the survey, please call the GA Survey helpline at 1-800-826-1797 or email [infoaviationsurvey@tetrattech.com](mailto:infoaviationsurvey@tetrattech.com). You can send questions to the FAA at [GASurvey@faa.gov](mailto:GASurvey@faa.gov).

Thank you for your help with this important study!

Sincerely,

Michael G. Whitaker  
Administrator



## The 2023 General Aviation and Part 135 Activity Survey

### What does the FAA do with this detailed information?

The information collected in this survey helps the FAA to understand more about general aviation activities, assess the impact on the National Airspace System, and determine the need for increased traffic facilities and services. Federal, state, and local governments; general aviation associations; and private industry and individuals use the summary data for safety analyses, planning, forecasting, and research and development.

### Will my name be associated with my survey responses?

No. Names of individuals are never associated with responses. The FAA only uses survey participant information for statistical purposes and keeps it private to the extent permitted by law. The FAA will not publish any reports or tables that would reveal specific information reported by an individually identifiable respondent. There is an identification number on your survey only so Tetra Tech, the professional research firm conducting the study for us, knows who should receive the survey.

### Why was I selected for this survey?

Survey administrators selected your aircraft from the Civil Aviation Registry, which shows you as a registrant of this aircraft as of December 31, 2023.

Many aircraft were randomly sampled from the Civil Aviation Registry, but several groups were sampled at 100 percent to better understand the activity of high-use groups. These groups include FAR Part 135 aircraft, rotorcraft, turbine aircraft, aircraft five years old or newer, and Alaska-based aircraft.

### What if I completed a survey last year?

Even if you were sampled last year, it is very important that you respond to the survey this year.

It's possible that you were selected again because we are sampling several groups of aircraft at 100 percent to gain a better understanding of the activity of high-use groups (FAR Part 135 aircraft, rotorcraft, turbine aircraft, aircraft five years old or newer, and Alaska-based aircraft). If you participated in a survey last year, the reason for your selection could be the relatively low number of aircraft similar to yours, leading to a higher likelihood of being chosen more frequently.

### What should I do if I have a question about how to fill out the survey or have a question we haven't answered?

Please call the GA Survey helpline at 1-800-826-1797 or email [infoaviationsurvey@tetrattech.com](mailto:infoaviationsurvey@tetrattech.com).

### Has the Office of Management and Budget (OMB) Paperwork Reduction Project cleared this survey?

Yes. The OMB control number is 2120-0060, with an expiration date of November 30, 2024.

Figure B.7. Single Aircraft—Reminder/Thank-You Postcard

Dear Aircraft Owner or Operator,

Each year, the Federal Aviation Administration conducts a survey to calculate fleet size, the hours flown by the general aviation community, and the reasons people use general aviation aircraft. A few weeks ago, we sent a postcard invitation to complete this survey on the Internet, followed by a paper version of the survey.

If you have already completed the survey online or returned the paper version, **thank you**. If you have not yet done so, please log on to [www.aviationsurvey.org](http://www.aviationsurvey.org) to complete the survey online for the aircraft listed below (use the aircraft N-number as your password). Or you may fill out and mail back the paper version—another survey form with a postage-paid envelope will be arriving in a few days.

N-NUMBER: SAMPLE  
MANUFACTURER: SAMPLE  
MODEL: SAMPLE  
SERIAL: SAMPLE

If you have questions or cannot complete the survey on the Internet, please contact Tetra Tech at 1-800-826-1797 or email [infoaviationsurvey@tetrattech.com](mailto:infoaviationsurvey@tetrattech.com). Thank you for your help with this important study.

2023 General Aviation  and Part 135 Activity Survey

OMB (2120-0080) Expiration 11/30/2024

**\*\*\*First Class Mail Postage and Fees Paid, FAA Permit No. 532**

**\*\*\*Return Address:**

Federal Aviation Administration  
c/o Tetra Tech  
6410 Enterprise Lane, Suite 300  
Madison, WI 53719-9764

FORWARDING SERVICE REQUESTED



## Figure B.8. Single Aircraft—Mail 2 Cover Letter



U.S. Department  
of Transportation

**Federal Aviation  
Administration**

April 19, 2024

Office of the Administrator

800 Independence Ave., S.W.  
Washington, D.C. 20591

Dear Aircraft Owner or Operator:

Please participate in the 2023 General Aviation (GA) and Part 135 Activity Survey. This survey allows the FAA to track the success of our safety initiatives, identify areas for improvement, focus our resources, and better serve the GA community. *To provide accurate information on the general aviation fleet, we need to know about ALL aircraft in our sample—even if you did not fly in 2023.*

Please respond today at  
**[www.aviationsurvey.org](http://www.aviationsurvey.org)**  
Use your aircraft N-number as the login password

### ABOUT THE SURVEY

The information from the GA Survey serves the following purposes:

- Measure aviation activity across the US to support airport master planning.
- Assess the effects of energy conservation programs by collecting data on fuel type and fuel consumption.
- Support studies of aircraft fatigue and set maintenance cycles.

### WHY SHOULD I RESPOND?

We require data to calculate accident rates, estimate economic impacts, and assess safety initiatives – all factors that impact aircraft owners like you.

### QUESTIONS?

Answers to frequently asked questions are on the reverse of this letter. For further assistance with the survey, please call 1-800-826-1797 or email [infoaviationsurvey@tetrattech.com](mailto:infoaviationsurvey@tetrattech.com). You can send questions to the FAA at [GASurvey@faa.gov](mailto:GASurvey@faa.gov).

Thank you for your help with this important study!

Sincerely,

Michael G. Whitaker  
Administrator



## The 2023 General Aviation and Part 135 Activity Survey

### What does the FAA do with this detailed information?

The information collected in this survey helps the FAA to understand more about general aviation activities, assess the impact general aviation activities have on the National Airspace System, and determine the need for increased traffic facilities and services. Federal, state, and local governments; general aviation associations; and private industry and individuals use the summary data for safety analyses, planning, forecasting, and research and development.

### Will my name be associated with my survey responses?

**ABSOLUTELY NOT!** The survey will exclusively utilize the gathered information for statistical purposes, and its confidentiality will be maintained to the extent allowed by law. The FAA will not publish any reports or tables that would reveal specific information reported by an individually identifiable respondent. Names of individuals are never associated with responses. There is an identification number on your survey only so Tetra Tech, the professional research firm conducting the study for us, knows who should receive the survey.

### Why was I selected for this survey?

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Many aircraft were randomly sampled from the Civil Aviation Registry, but several groups were sampled at 100 percent to understand the activity of high-use groups better. These groups include FAR Part 135 aircraft, rotorcraft, turbine aircraft, aircraft five years old or newer, and Alaska-based aircraft.

### What if I completed a survey last year?

Even if you were sampled last year, it is very important that you respond to the survey this year.

It's possible that you were selected again because we are sampling several groups of aircraft at 100 percent to gain a better understanding of the activity of high-use groups (FAR Part 135 aircraft, rotorcraft, turbine aircraft, aircraft five years old or newer, and Alaska-based aircraft). If you participated in a survey last year, the reason for your selection could be the relatively low number of aircraft similar to yours, leading to a higher likelihood of being chosen more frequently.

### What should I do if I have a question about how to fill out the survey or have a question we haven't answered?

Please call the GA Survey helpline at 1-800-826-1797 or email [infoaviationsurvey@tetrattech.com](mailto:infoaviationsurvey@tetrattech.com). You can send questions to the FAA at [GASurvey@faa.gov](mailto:GASurvey@faa.gov).

### Has the Office of Management and Budget Paperwork Reduction Project cleared this survey?

Yes. The OMB control number is 2120-0060, with an expiration date of November 30, 2024.

## Figure B.9. Single Aircraft—End-of-Field-Period Follow-Up Postcard

Dear Aircraft Owner or Operator,

We need your help! The 2023 General Aviation and Part 135 Activity Survey will end very soon. Thank you for your past participation—previous surveys have been a success thanks to you and many aircraft owners like you. Information about the activity of aircraft each year is critical to accurately calculate fleet size, hours flown, and the reasons people use their general aviation aircraft.

**Please complete your survey today** by logging on to [www.aviationsurvey.org](http://www.aviationsurvey.org) for the aircraft listed below (use the aircraft N-number as your password).

N-NUMBER:

MANUFACTURER:

MODEL:

SERIAL:

If you have questions, please contact Tetra Tech at 1-800-826-1797 or email [infoaviationsurvey@tetrattech.com](mailto:infoaviationsurvey@tetrattech.com). Thank you for your help with this important study.

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2023 General Aviation  and Part 135 Activity Survey

OMB (2120-0060) Expiration 11/30/2024

**\*\*\*First Class Mail Postage and Fees Paid, FAA Permit No. 532**

**\*\*\*Return Address:**

Federal Aviation Administration  
c/o Tetra Tech  
6410 Enterprise Lane, Suite 300  
Madison, WI 53719-1143

FORWARDING SERVICE REQUESTED

Figure B.10. Single Aircraft—Mail 3 Cover Letter



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Office of the Administrator

800 Independence Ave., S.W.  
Washington, D.C. 20591

May 31, 2024

Dear Aircraft Owner or Operator:

Do you have 15 minutes to spare? Thanks to the support and participation of the General Aviation (GA) community, the 2022 survey was a tremendous success. You can help us sustain that success!

Please respond today at  
**[www.aviationsurvey.org](http://www.aviationsurvey.org)**  
Use your aircraft N-number as the login password

#### ABOUT THE SURVEY

The GA Survey is the *only source of information on the size, activity, and characteristics of the GA fleet*. The data is used for the following purposes:

- Computing fatal accident rates and other safety metrics.
- Understanding how aviation impacts local economic growth, including jobs and household income.
- Determining funding for aviation infrastructure.

#### WHY SHOULD I RESPOND?

- The FAA and industry rely on these data for a broad range of aircraft.
- Your response is confidential and critical, *even if you did not fly in 2023*.
- All aircraft are important! Your aircraft represents many others like it across the National Airspace System.

#### QUESTIONS?

For further assistance with the survey, please call 1-800-826-1797 or email [infoaviationsurvey@tetrattech.com](mailto:infoaviationsurvey@tetrattech.com). You can send questions to the FAA at [GASurvey@faa.gov](mailto:GASurvey@faa.gov).

Thank you for your help with this important study!

Sincerely,

Michael G. Whitaker  
Administrator





## The 2023 General Aviation and Part 135 Activity Survey

### What does the FAA do with this detailed information?

The information collected in this survey helps the FAA to understand more about general aviation activities, assess the impact general aviation activities have on the National Airspace System, and determine the need for increased traffic facilities and services. Federal, state, and local governments; general aviation associations; and private industry and individuals use the summary data for safety analyses, planning, forecasting, and research and development.

### Will my name be associated with my survey responses?

**ABSOLUTELY NOT!** The survey will exclusively utilize the gathered information for statistical purposes, and its confidentiality will be maintained to the extent allowed by law. The FAA will not publish any reports or tables that would reveal specific information reported by an individually identifiable respondent. Names of individuals are never associated with responses. There is an identification number on your survey only so Tetra Tech, the professional research firm conducting the study for us, knows who should receive the survey.

### Why was I selected for this survey?

The Civil Aviation Registry selected your aircraft, indicating you as the registrant of this aircraft as of December 31, 2023.

Many aircraft were randomly sampled from the Civil Aviation Registry, but several groups were sampled at 100 percent to understand the activity of high-use groups better. These groups include FAR Part 135 aircraft, rotorcraft, turbine aircraft, aircraft five years old or newer, and Alaska-based aircraft.

### What if I completed a survey last year?

Even if you were sampled last year, it is very important that you respond to the survey this year.

It's possible that you were selected again because we are sampling several groups of aircraft at 100 percent to gain a better understanding of the activity of high-use groups (FAR Part 135 aircraft, rotorcraft, turbine aircraft, aircraft five years old or newer, and Alaska-based aircraft). If you participated in a survey last year, the reason for your selection could be the relatively low number of aircraft similar to yours, leading to a higher likelihood of being chosen more frequently.

### What should I do if I have a question about how to fill out the survey or have a question we haven't answered?

Please call the GA Survey helpline at 1-800-826-1797 or email [infoaviationsurvey@tetrattech.com](mailto:infoaviationsurvey@tetrattech.com).

### Has the Office of Management and Budget Paperwork Reduction Project cleared this survey?

Yes. The OMB control number is 2120-0060, with an expiration date of November 30, 2024.

Figure B.11. Large Fleet—Questionnaire



2023 General Aviation and Part 135 Activity Survey  
Large Fleet Form

This form collects information based on six broad aircraft categories. We recommend responding for one aircraft category at a time—each category should be completed independently of the others.

Please return the completed pages in the enclosed postage-paid envelope. You may email responses to [infoaviationsurvey@tetrattech.com](mailto:infoaviationsurvey@tetrattech.com) or complete the survey online: [www.aviationfleetsurvey.org](http://www.aviationfleetsurvey.org) (to log-in, use the 7-digit password shown in red in the bottom right corner of the page). If you have questions about this study, call Tetra Tech at 1-800-826-1797.

Submission of this form is voluntary. The information obtained in the survey will only be used for statistical purposes and will be kept private to the extent permitted by law. The FAA will not publish any reports or tables that would reveal specific information reported by an individually identifiable respondent.

When reporting aircraft activity, include all hours flown by all users under all FAR Parts for all of 2023.

If you do not know the exact information for a particular question, please provide your best estimate.

**Q1** Enter the number of aircraft in each aircraft type that were owned or operated by your organization as of December 31, 2023. Then, enter the state/territory in which each aircraft type was primarily flown in 2023. (Enter 0 if you did not own or operate aircraft in a category in 2023. If none of the aircraft in a category were flown, leave the state primarily flown blank.)

Aircraft Type	Number of Aircraft	State Primarily Flown*
Turbojets		
Turboprops		
Reciprocating Aircraft		
Turbine Rotorcraft		
Reciprocating Rotorcraft		
Other Aircraft (e.g., balloons, gliders, experimental, etc.)		

\*Please use 2-character state/territory abbreviations.

(Continue to the next page.)

– Agency Display of Estimated Burden of the General Aviation and Part 135 Activity Survey –

The public reporting burden for this collection of information is estimated to average 20 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, completing and reviewing the collection of information. Send comments regarding this burden estimate or any aspect of this collection of information, including suggestions for reducing this burden to:

Information Collection Clearance Officer  
Federal Aviation Administration  
10101 Hillwood Parkway  
Fort Worth, TX 76177-1524

Office of Management and Budget  
Paperwork Reduction Project  
OMB (2120-0060) Expiration 11/30/2024  
Washington, DC 20503

If you did not operate any **turbojet** aircraft in 2023, check here ☐ and skip to the next page.

**Q2a** In 2023, how many total hours did your entire **turbojet** fleet fly? (Include estimated rental and leased hours. If you purchased any of these aircraft in 2023, please include hours flown for the entire year.)

Hours (rounded to the nearest WHOLE number - no decimals please)

**Q3a** In 2023, what percent of the total hours flown by your entire **turbojet** fleet was under a fractional ownership program? (This is NOT simply joint ownership. This is ONLY for turbojet aircraft in a fractional ownership program meeting Part 91, subpart K, and issued FAA Management Specifications. Flights under Part 135 should not be included. Enter 0 if no hours were flown under a fractional ownership program.)

%

**Q4a** In 2023, how many landings did your entire **turbojet** fleet perform?

Number of 2023 landings

**Q5a** In 2023, what was the total fuel consumption (in gallons) for all **turbojets** in your fleet? (Please estimate the total fuel consumption for your turbojet fleet in 2023.)

Total Gallons Consumed (rounded to the nearest WHOLE number – no decimals please)

**Q6a** For your **turbojet** fleet, what percent of the total hours flown in 2023 were the aircraft owned or hired by the federal, state, or local government for the purpose of fulfilling a governmental function? (Enter 0 if the aircraft were not used for the purpose of fulfilling a governmental function.)

%

**Q7a** In 2023, what percent of the total hours flown by your entire **turbojet** fleet were flown in each of the following categories? (Estimate the percent of total hours flown in 2023 in each of the following categories so that the total equals 100%.)

Category		% of Hrs Flown
<b>FAR Part 135</b>	<b>Air Taxi</b> – FAR Part 135 <u>on-demand</u> passenger and all cargo operations (excluding air tours, air medical services, or scheduled passenger service)	%
	<b>Air Tours</b> – Commercial sight-seeing conducted under FAR Part 135	%
	<b>Air Medical Services</b> – Air ambulance services, rescue, human organ transportation, emergency medical services conducted under FAR Part 135	%
	<b>Commuter</b> – FAR Part 135 <u>scheduled</u> passenger service only	%
<b>General Use</b>	<b>Positioning/Other</b> – Positioning flights, proficiency flights, training, ferrying, sales demos, etc.	%
	<b>Personal/Recreation</b> – Flying for personal reasons (excludes business transportation)	%
	<b>Instructional</b> – Flying under the supervision of a flight instructor, including student pilot solo (excludes positioning flights, proficiency flights, training, ferrying, sales demos)	%
	<b>Business Transportation</b> – ( <u>without</u> a paid flight crew) – Individual or group use for, or in the furtherance of, a business	%
	<b>Business Transportation</b> – ( <u>with</u> a paid flight crew) – Individual or group business transportation (includes fractional ownership)	%
	<b>Air Medical Services</b> – Air ambulance services, rescue, human organ transportation, emergency medical services (excludes AMS conducted under FAR Part 135)	%
	<b>Sight-seeing</b> – Commercial sight-seeing conducted under FAR Part 91	%
	<b>Aerial Observation</b> – Aerial mapping/photography, patrol, search and rescue, hunting, traffic advisory, ranching, surveillance, oil and mineral exploration, etc.	%
	<b>Aerial Application in Agriculture and Forestry</b> – Crop and timber production, including fertilizer and pesticide application	%
	<b>Other Aerial Application</b> – Public health sprayings, cloud seeding, fire fighting, including forest fires, etc.	%
	<b>External Load</b> – Operation under FAR Part 133, rotorcraft external load operations, examples include: helicopter hoist, hauling logs, etc.	%
	<b>Other Work Use</b> – Construction work (excluding FAR Part 135 operation), parachuting, aerial advertising, towing gliders, etc.	%
<b>TOTAL OF ALL USES</b>		<b>100%</b>



If you did not operate any **turboprop** aircraft in 2023, check here ☐ and skip to the next page.

**Q2b** In 2023, how many total hours did your entire **turboprop** fleet fly? (Include estimated rental and leased hours. If you purchased any of these aircraft in 2023, please include hours flown for the entire year.)

Hours (rounded to the nearest WHOLE number - no decimals please)

**Q3b** In 2023, what percent of the total hours flown by your entire **turboprop** fleet was under a fractional ownership program? (This is NOT simply joint ownership. This is ONLY for turboprop aircraft in a fractional ownership program meeting Part 91, subpart K, and issued FAA Management Specifications. Flights under Part 135 should not be included. Enter 0 if no hours were flown under a fractional ownership program.)

%

**Q4b** In 2023, how many landings did your entire **turboprop** fleet perform?

Number of 2023 landings

**Q5b** In 2023, what was the total fuel consumption (in gallons) for all **turboprops** in your fleet?

(Please estimate the total fuel consumption for your turboprop fleet in 2023.)

Total Gallons Consumed (rounded to the nearest WHOLE number – no decimals please)

**Q6b** For your **turboprop** fleet, what percent of the total hours flown in 2023 were the aircraft owned or hired by the federal, state, or local government for the purpose of fulfilling a governmental function? (Enter 0 if the aircraft were not used for the purpose of fulfilling a governmental function.)

%

**Q7b** In 2023, what percent of the total hours flown by your entire **turboprop** fleet were flown in each of the following categories? (Estimate the percent of total hours flown in 2023 in each of the following categories so that the total equals 100%.)

Category		% of Hrs Flown
FAR Part 135	<b>Air Taxi</b> – FAR Part 135 <u>on-demand</u> passenger and all cargo operations (excluding air tours, air medical services, or scheduled passenger service)	%
	<b>Air Tours</b> – Commercial sight-seeing conducted under FAR Part 135	%
	<b>Air Medical Services</b> – Air ambulance services, rescue, human organ transportation, emergency medical services conducted under FAR Part 135	%
	<b>Commuter</b> – FAR Part 135 <u>scheduled</u> passenger service only	%
General Use	<b>Positioning/Other</b> – Positioning flights, proficiency flights, training, ferrying, sales demos, etc.	%
	<b>Personal/Recreation</b> – Flying for personal reasons (excludes business transportation)	%
	<b>Instructional</b> – Flying under the supervision of a flight instructor, including student pilot solo (excludes positioning flights, proficiency flights, training, ferrying, sales demos)	%
	<b>Business Transportation</b> – ( <u>without</u> a paid flight crew) – Individual or group use for, or in the furtherance of, a business	%
	<b>Business Transportation</b> – ( <u>with</u> a paid flight crew) – Individual or group business transportation (includes fractional ownership)	%
	<b>Air Medical Services</b> – Air ambulance services, rescue, human organ transportation, emergency medical services (excludes AMS conducted under FAR Part 135)	%
	<b>Sight-seeing</b> – Commercial sight-seeing conducted under FAR Part 91	%
	<b>Aerial Observation</b> – Aerial mapping/photography, patrol, search and rescue, hunting, traffic advisory, ranching, surveillance, oil and mineral exploration, etc.	%
	<b>Aerial Application in Agriculture and Forestry</b> – Crop and timber production, including fertilizer and pesticide application	%
	<b>Other Aerial Application</b> – Public health sprayings, cloud seeding, fire fighting, including forest fires, etc.	%
	<b>External Load</b> – Operation under FAR Part 133, rotorcraft external load operations, examples include: helicopter hoist, hauling logs, etc.	%
	<b>Other Work Use</b> – Construction work (excluding FAR Part 135 operation), parachuting, aerial advertising, towing gliders, etc.	%
<b>TOTAL OF ALL USES</b>		<b>100%</b>



If you did not operate any **reciprocating aircraft** in 2023, check here ☐ and skip to the next page.

**Q2c** In 2023, how many total hours did your entire **reciprocating aircraft** fleet fly? (Include estimated rental and leased hours. If you purchased any of these aircraft in 2023, please include hours flown for the entire year.)

Hours (rounded to the nearest WHOLE number - no decimals please)

**Q3c** In 2023, how many landings did your entire **reciprocating aircraft** fleet perform?

Number of 2023 landings

**Q4c** In 2023, what was the total fuel consumption (in gallons) for all **reciprocating aircraft** in your fleet? (Please estimate the total fuel consumption for your reciprocating aircraft fleet in 2023.)

Total Gallons Consumed (rounded to the nearest WHOLE number – no decimals please)

**Q5c** For your **reciprocating aircraft** fleet, what percent of the total hours flown in 2023 were the aircraft owned or hired by the federal, state, or local government for the purpose of fulfilling a governmental function? (Enter 0 if the aircraft were not used for the purpose of fulfilling a governmental function.)

%

**Q6c** In 2023, what percent of the total hours flown by your entire **reciprocating aircraft** fleet were flown in each of the following categories? (Estimate the percent of total hours flown in 2023 in each of the following categories so that the total equals 100%.)

Category		% of Hrs Flown
FAR Part 135	<b>Air Taxi</b> – FAR Part 135 <i>on-demand</i> passenger and all cargo operations (excluding air tours, air medical services, or scheduled passenger service)	%
	<b>Air Tours</b> – Commercial sight-seeing conducted under FAR Part 135	%
	<b>Air Medical Services</b> – Air ambulance services, rescue, human organ transportation, emergency medical services conducted under FAR Part 135	%
	<b>Commuter</b> – FAR Part 135 <i>scheduled</i> passenger service only	%
General Use	<b>Positioning/Other</b> – Positioning flights, proficiency flights, training, ferrying, sales demos, etc.	%
	<b>Personal/Recreation</b> – Flying for personal reasons (excludes business transportation)	%
	<b>Instructional</b> – Flying under the supervision of a flight instructor, including student pilot solo (excludes positioning flights, proficiency flights, training, ferrying, sales demos)	%
	<b>Business Transportation</b> – ( <i>without</i> a paid flight crew) – Individual or group use for, or in the furtherance of, a business	%
	<b>Business Transportation</b> – ( <i>with</i> a paid flight crew) – Individual or group business transportation	%
	<b>Air Medical Services</b> – Air ambulance services, rescue, human organ transportation, emergency medical services (excludes AMS conducted under FAR Part 135)	%
	<b>Sight-seeing</b> – Commercial sight-seeing conducted under FAR Part 91	%
	<b>Aerial Observation</b> – Aerial mapping/photography, patrol, search and rescue, hunting, traffic advisory, ranching, surveillance, oil and mineral exploration, etc.	%
	<b>Aerial Application in Agriculture and Forestry</b> – Crop and timber production, including fertilizer and pesticide application	%
	<b>Other Aerial Application</b> – Public health sprayings, cloud seeding, fire fighting, including forest fires, etc.	%
	<b>External Load</b> – Operation under FAR Part 133, rotorcraft external load operations, examples include: helicopter hoist, hauling logs, etc.	%
	<b>Other Work Use</b> – Construction work (excluding FAR Part 135 operation), parachuting, aerial advertising, towing gliders, etc.	%
<b>TOTAL OF ALL USES</b>		<b>100%</b>

If you did not operate any **turbine rotorcraft** aircraft in 2023, check here ☐ and skip to the next page.

**Q2d** In 2023, how many total hours did your entire **turbine rotorcraft** fleet fly? (Include estimated rental and leased hours. If you purchased any of these aircraft in 2023, please include hours flown for the entire year.)

Hours (rounded to the nearest WHOLE number - no decimals please)

**Q3d** In 2023, what percent of the total hours flown by your entire **turbine rotorcraft** fleet was under a fractional ownership program? (This is NOT simply joint ownership. This is ONLY for turbine aircraft in a fractional ownership program meeting Part 91, subpart K, and issued FAA Management Specifications. Flights under Part 135 should not be included. Enter 0 if no hours were flown under a fractional ownership program.)

%

**Q4d** In 2023, how many landings did your entire **turbine rotorcraft** fleet perform?

Number of 2023 landings

**Q5d** In 2023, what was the total fuel consumption (in gallons) for all **turbine rotorcraft** in your fleet ? (Please estimate the total fuel consumption for your turbine rotorcraft fleet in 2023.)

Total Gallons Consumed (rounded to the nearest WHOLE number – no decimals please)

**Q6d** For your **turbine rotorcraft** fleet, what percent of the total hours flown in 2023 were the aircraft owned or hired by the federal, state, or local government for the purpose of fulfilling a governmental function? (Enter 0 if the aircraft were not used for the purpose of fulfilling a governmental function.)

%

**Q7d** In 2023, what percent of the total hours flown by your entire **turbine rotorcraft** fleet were flown in each of the following categories? (Estimate the percent of total hours flown in 2023 in each of the following categories so that the total equals 100%.)

Category		% of Hrs Flown
FAR Part 135	<b>Air Taxi</b> – FAR Part 135 <u>on-demand</u> passenger and all cargo operations (excluding air tours, air medical services, or scheduled passenger service)	%
	<b>Air Tours</b> – Commercial sight-seeing conducted under FAR Part 135	%
	<b>Air Medical Services</b> – Air ambulance services, rescue, human organ transportation, emergency medical services conducted under FAR Part 135	%
	<b>Commuter</b> – FAR Part 135 <u>scheduled</u> passenger service only	%
General Use	<b>Positioning/Other</b> – Positioning flights, proficiency flights, training, ferrying, sales demos, etc.	%
	<b>Personal/Recreation</b> – Flying for personal reasons (excludes business transportation)	%
	<b>Instructional</b> – Flying under the supervision of a flight instructor, including student pilot solo (excludes positioning flights, proficiency flights, training, ferrying, sales demos)	%
	<b>Business Transportation</b> – ( <u>without</u> a paid flight crew) – Individual or group use for, or in the furtherance of, a business	%
	<b>Business Transportation</b> – ( <u>with</u> a paid flight crew) – Individual or group business transportation (includes fractional ownership)	%
	<b>Air Medical Services</b> – Air ambulance services, rescue, human organ transportation, emergency medical services (excludes AMS conducted under FAR Part 135)	%
	<b>Sight-seeing</b> – Commercial sight-seeing conducted under FAR Part 91	%
	<b>Aerial Observation</b> – Aerial mapping/photography, patrol, search and rescue, hunting, traffic advisory, ranching, surveillance, oil and mineral exploration, etc.	%
	<b>Aerial Application in Agriculture and Forestry</b> – Crop and timber production, including fertilizer and pesticide application	%
	<b>Other Aerial Application</b> – Public health sprayings, cloud seeding, fire fighting, including forest fires, etc.	%
	<b>External Load</b> – Operation under FAR Part 133, rotorcraft external load operations, examples include: helicopter hoist, hauling logs, etc.	%
	<b>Other Work Use</b> – Construction work (excluding FAR Part 135 operation), parachuting, aerial advertising, towing gliders, etc.	%
<b>TOTAL OF ALL USES</b>		<b>100%</b>



If you did not operate any **reciprocating rotorcraft** in 2023, check here ☐ and skip to the next page.

**Q2e** In 2023, how many total hours did your entire **reciprocating rotorcraft** fleet fly? (Include estimated rental and leased hours. If you purchased any of these aircraft in 2023, please include hours flown for the entire year.)

Hours (rounded to the nearest WHOLE number - no decimals please)

**Q3e** In 2023, how many landings did your entire **reciprocating rotorcraft** fleet perform?

Number of 2023 landings

**Q4e** In 2023, what was the total fuel consumption (in gallons) for all **reciprocating rotorcraft** in your fleet? (Please estimate the total fuel consumption for your reciprocating rotorcraft fleet in 2023.)

Total Gallons Consumed (rounded to the nearest WHOLE number – no decimals please)

**Q5e** For your **reciprocating rotorcraft** fleet, what percent of the total hours flown in 2023 were the aircraft owned or hired by the federal, state, or local government for the purpose of fulfilling a governmental function? (Enter 0 if the aircraft were not used for the purpose of fulfilling a governmental function.)

 %

**Q6e** In 2023, what percent of the total hours flown by your entire **reciprocating rotorcraft** fleet were flown in each of the following categories? (Estimate the percent of total hours flown in 2023 in each of the following categories so that the total equals 100%.)

Category		% of Hrs Flown
FAR Part 135	<b>Air Taxi</b> – FAR Part 135 <i>on-demand</i> passenger and all cargo operations (excluding air tours, air medical services, or scheduled passenger service)	%
	<b>Air Tours</b> – Commercial sight-seeing conducted under FAR Part 135	%
	<b>Air Medical Services</b> – Air ambulance services, rescue, human organ transportation, emergency medical services conducted under FAR Part 135	%
	<b>Commuter</b> – FAR Part 135 <i>scheduled</i> passenger service only	%
General Use	<b>Positioning/Other</b> – Positioning flights, proficiency flights, training, ferrying, sales demos, etc.	%
	<b>Personal/Recreation</b> – Flying for personal reasons (excludes business transportation)	%
	<b>Instructional</b> – Flying under the supervision of a flight instructor, including student pilot solo (excludes positioning flights, proficiency flights, training, ferrying, sales demos)	%
	<b>Business Transportation</b> – ( <i>without</i> a paid flight crew) – Individual or group use for, or in the furtherance of, a business	%
	<b>Business Transportation</b> – ( <i>with</i> a paid flight crew) – Individual or group business transportation	%
	<b>Air Medical Services</b> – Air ambulance services, rescue, human organ transportation, emergency medical services (excludes AMS conducted under FAR Part 135)	%
	<b>Sight-seeing</b> – Commercial sight-seeing conducted under FAR Part 91	%
	<b>Aerial Observation</b> – Aerial mapping/photography, patrol, search and rescue, hunting, traffic advisory, ranching, surveillance, oil and mineral exploration, etc.	%
	<b>Aerial Application in Agriculture and Forestry</b> – Crop and timber production, including fertilizer and pesticide application	%
	<b>Other Aerial Application</b> – Public health sprayings, cloud seeding, fire fighting, including forest fires, etc.	%
	<b>External Load</b> – Operation under FAR Part 133, rotorcraft external load operations, examples include: helicopter hoist, hauling logs, etc.	%
	<b>Other Work Use</b> – Construction work (excluding FAR Part 135 operation), parachuting, aerial advertising, towing gliders, etc.	%
<b>TOTAL OF ALL USES</b>		<b>100%</b>

If you did not operate any of your **other aircraft** in 2023, check here ☐ ("Other aircraft" are defined as aircraft not falling into one of the other five aircraft types—i.e., balloons, gliders, etc.)

**Q2f** In 2023, how many total hours did all your **other aircraft** fly? (Include estimated rental and leased hours. If you purchased any of these aircraft in 2023, please include hours flown for the entire year.)

Hours (rounded to the nearest WHOLE number - no decimals please)

**Q3f** In 2023, how many landings did all your **other aircraft** perform?

Number of 2023 landings

**Q4f** In 2023, what was the total fuel consumption (in gallons) for all **other aircraft** in your fleet? (Please estimate the total fuel consumption for all your other aircraft in 2023.)

Total Gallons Consumed (rounded to the nearest WHOLE number – no decimals please)

**Q5f** For all your **other aircraft**, what percent of the total hours flown in 2023 were the aircraft owned or hired by the federal, state, or local government for the purpose of fulfilling a governmental function? (Enter 0 if the aircraft were not used for the purpose of fulfilling a governmental function.)

 %

**Q6f** In 2023, what percent of the total hours flown by all your **other aircraft** were flown in each of the following categories? (Estimate the percent of total hours flown in 2023 in each of the following categories so that the total equals 100%.)

Category		% of Hrs Flown
FAR Part 135	<b>Air Taxi</b> – FAR Part 135 <u>on-demand</u> passenger and all cargo operations (excluding air tours, air medical services, or scheduled passenger service)	%
	<b>Air Tours</b> – Commercial sight-seeing conducted under FAR Part 135	%
	<b>Air Medical Services</b> – Air ambulance services, rescue, human organ transportation, emergency medical services conducted under FAR Part 135	%
	<b>Commuter</b> – FAR Part 135 <u>scheduled</u> passenger service only	%
General Use	<b>Positioning/Other</b> – Positioning flights, proficiency flights, training, ferrying, sales demos, etc.	%
	<b>Personal/Recreation</b> – Flying for personal reasons (excludes business transportation)	%
	<b>Instructional</b> – Flying under the supervision of a flight instructor, including student pilot solo (excludes positioning flights, proficiency flights, training, ferrying, sales demos)	%
	<b>Business Transportation</b> – ( <u>without</u> a paid flight crew) – Individual or group use for, or in the furtherance of, a business	%
	<b>Business Transportation</b> – ( <u>with</u> a paid flight crew) – Individual or group business transportation	%
	<b>Air Medical Services</b> – Air ambulance services, rescue, human organ transportation, emergency medical services (excludes AMS conducted under FAR Part 135)	%
	<b>Sight-seeing</b> – Commercial sight-seeing conducted under FAR Part 91	%
	<b>Aerial Observation</b> – Aerial mapping/photography, patrol, search and rescue, hunting, traffic advisory, ranching, surveillance, oil and mineral exploration, etc.	%
	<b>Aerial Application in Agriculture and Forestry</b> – Crop and timber production, including fertilizer and pesticide application	%
	<b>Other Aerial Application</b> – Public health sprayings, cloud seeding, fire fighting, including forest fires, etc.	%
	<b>External Load</b> – Operation under FAR Part 133, rotorcraft external load operations, examples include: helicopter hoist, hauling logs, etc.	%
	<b>Other Work Use</b> – Construction work (excluding FAR Part 135 operation), parachuting, aerial advertising, towing gliders, etc.	%
<b>TOTAL OF ALL USES</b>		<b>100%</b>

Figure B.12. Large Fleet—Short Form Questionnaire

Federal Aviation Administration  
C/O Tetra Tech  
6410 Enterprise Ln, Ste 300  
Madison, WI 53719



## 2023 General Aviation and Part 135 Activity Survey Fleet Form

Submission of this form is voluntary. The information obtained in the survey will only be used for statistical purposes and will be kept private to the extent permitted by law. The FAA will not publish any reports or tables that would reveal specific information reported by an individually identifiable respondent.

When reporting aircraft activity, include all hours flown by all users under all FAR Parts for all of 2023. If you do not know the exact information for a particular question, please provide your best estimate.

**Q1** Complete the table below for each aircraft type that was owned or operated by your organization as of December 31, 2023. (Enter 0 if you did not own or operate aircraft in a category in 2023. If none of the aircraft in a category were flown, leave the corresponding cells blank.)

Aircraft Type	Number of Aircraft Owned or Operated in 2023	Total Hours Flown in 2023	Aircraft Uses in 2023 Report the use and percent of hours flown per use (e.g., 10% air medical, 90% air taxi).
			Aircraft uses are listed on the back of this page.
Turbojets			
Turboprops			
Reciprocating Aircraft			
Turbine Rotorcraft			
Reciprocating Rotorcraft			
Other Aircraft (e.g., balloons, gliders, experimental)			

Please provide N-Numbers for all aircraft on the reverse side.

— Agency Display of Estimated Burden of the General Aviation and Part 135 Activity Survey —

The public reporting burden for this collection of information is estimated to average 20 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, completing and reviewing the collection of information. Send comments regarding this burden estimate or any aspect of this collection of information, including suggestions for reducing this burden to:

Information Collection Clearance Officer  
Federal Aviation Administration  
10101 Hillwood Parkway  
Fort Worth, TX 76177-1524

Office of Management and Budget  
Paperwork Reduction Project  
OMB (2120-0060) Expiration 11/30/2024  
Washington, DC 20503

**Q2 N-Numbers.** List the N-Numbers of all aircraft included in your responses to Q1 (one N-number per cell).


### ***Aircraft Uses***

**On-Demand Part 135 Operations:**

- Air taxi (passenger or cargo)
- Air tours
- Air medical

**General Use Operations:**

- Personal/recreational
- Instructional
- Business transportation (with, without paid flight crew)
- Commercial sight-seeing under Part 91
- Aerial observation, including search and rescue, mapping/photography
- Agricultural spraying
- Firefighting, public health spraying
- External load
- Positioning flights



Figure B.13. Large Fleet—Mail 1 Cover Letter



U.S. Department  
of Transportation

**Federal Aviation  
Administration**

Office of the Administrator

800 Independence Ave., S.W.  
Washington, D.C. 20591

March 22, 2024

Dear Aircraft Owner or Operator:

The Federal Aviation Administration is conducting the 46th annual General Aviation (GA) and Part 135 Activity Survey for calendar year 2023. We need to hear from you – *even if you did not fly any of the aircraft in your fleet in 2023 or fill out a similar survey last year.*

Please respond today at  
**[www.aviationfleetsurvey.org](http://www.aviationfleetsurvey.org)**  
Use your 7-digit password to log in: <<LFID>>

#### ABOUT THE SURVEY

The GA Survey is the *only source of information on the size, activity, and characteristics of the GA fleet*—how many aircraft are active, how many hours they fly, and how they are equipped. Government agencies and the industry aggregate the information for the following purposes:

- Computing safety metrics, such as fatal accident rates.
- Understanding the impact the GA industry has on jobs, economic output, and investments in aviation infrastructure.
- Tracking the success of safety initiatives, including avionics recommendations.

#### WHY SHOULD I RESPOND?

The FAA and industry need accurate data on a broad range of aircraft. Your participation is voluntary, but we need your help to measure the GA fleet accurately.

#### QUESTIONS?

Answers to frequently asked questions are on the reverse of this letter. For further assistance with the survey, please call 1-800-826-1797 or email [infoaviationsurvey@tetrattech.com](mailto:infoaviationsurvey@tetrattech.com). You can send questions to the FAA at [GASurvey@faa.gov](mailto:GASurvey@faa.gov).

Thank you for your help with this important study!

Sincerely,

Michael G. Whitaker  
Administrator



## The 2023 General Aviation and Part 135 Activity Survey

### What does the FAA do with this detailed information?

The information collected in this survey helps the FAA to understand more about general aviation activities, assess the impact general aviation activities have on the National Airspace System, and determine the need for increased traffic facilities and services. Federal, state, and local governments; general aviation associations; and private industry and individuals use the summary data for safety analyses, planning, forecasting, and research and development.

### Will my name be associated with my survey responses?

**ABSOLUTELY NOT!** The survey will exclusively utilize the gathered information for statistical purposes, and its confidentiality will be maintained to the extent allowed by law. The FAA will not publish any reports or tables that would reveal specific information reported by an individually identifiable respondent. Names of individuals are never associated with responses. There is an identification number on your survey only so Tetra Tech, the professional research firm conducting the study for us, knows who should receive the survey.

### Why was I selected for this survey?

The Civil Aviation Registry selected your aircraft, indicating you as the registrant of this aircraft as of December 31, 2023.

Many aircraft were randomly sampled from the Civil Aviation Registry, but several groups were sampled at 100 percent to understand the activity of high-use groups better. These groups include FAR Part 135 aircraft, rotorcraft, turbine aircraft, aircraft five years old or newer, and Alaska-based aircraft.

### What if I completed a survey last year?

Even if you were sampled last year, it is very important that you respond to the survey this year.

A key portion of the general aviation population is comprised of owners or operators of multiple aircraft. The summary form is designed to alleviate the reporting burden for multiple aircraft, thereby encouraging maximum participation.

### What should I do if I have a question about how to fill out the survey or have a question we haven't answered?

Please call the GA Survey helpline at 1-800-826-1797 or email [infoaviationsurvey@tetrattech.com](mailto:infoaviationsurvey@tetrattech.com).

### Has the Office of Management and Budget Paperwork Reduction Project cleared this survey?

Yes. The OMB control number is 2120-0060, with an expiration date of November 30, 2024.



## Figure B.14. Large Fleet—Reminder Letter



U.S. Department  
of Transportation

**Federal Aviation  
Administration**

Office of the Administrator

800 Independence Ave., S.W.  
Washington, D.C. 20591

April 26, 2024

Dear Aircraft Owner or Operator:

Recently, we mailed you a consolidated survey form for the 2023 General Aviation and Part 135 Activity Survey. We have not yet heard back from you, and we would be happy to answer any questions regarding the questionnaire or the study itself.

Please respond today at  
**[www.aviationfleetsurvey.org](http://www.aviationfleetsurvey.org)**  
Use your 7-digit password to log in: <<LFID>>

### ABOUT THE SURVEY

The GA Survey is the *only source of information on the size, activity, and characteristics of the GA fleet*—how many aircraft are active, how many hours they fly, and how they are equipped.

### WHY SHOULD I RESPOND?

The responses of multiple-aircraft owners or operators are extremely important for accurately estimating general aviation and on-demand Part 135 activity.

### QUESTIONS?

Answers to frequently asked questions are on the reverse of this letter. For further assistance with the survey, please call 1-800-826-1797 or email [infoaviationsurvey@tetrattech.com](mailto:infoaviationsurvey@tetrattech.com). You can send questions to the FAA at [GASurvey@faa.gov](mailto:GASurvey@faa.gov).

Thank you for your help with this important study!

Sincerely,

Michael G. Whitaker  
Administrator



## The 2023 General Aviation and Part 135 Activity Survey

### What does the FAA do with this detailed information?

The information collected in this survey helps the FAA to understand more about general aviation activities, assess the impact general aviation activities have on the National Airspace System, and determine the need for increased traffic facilities and services. Federal, state, and local governments; general aviation associations; and private industry and individuals use the summary data for safety analyses, planning, forecasting, and research and development.

### Will my name be associated with my survey responses?

ABSOLUTELY NOT! The survey will exclusively utilize the gathered information for statistical purposes, and its confidentiality will be maintained to the extent allowed by law. The FAA will not publish any reports or tables that would reveal specific information reported by an individually identifiable respondent. Names of individuals are never associated with responses. There is an identification number on your survey only so Tetra Tech, the professional research firm conducting the study for us, knows who should receive the survey.

### Why was I selected for this survey?

The Civil Aviation Registry selected your aircraft, indicating you as the registrant of this aircraft as of December 31, 2023.

Many aircraft were randomly sampled from the Civil Aviation Registry, but several groups were sampled at 100 percent to understand the activity of high-use groups better. These groups include FAR Part 135 aircraft, rotorcraft, turbine aircraft, aircraft five years old or newer, and Alaska-based aircraft.

### What if I completed a survey last year?

Even if you were sampled last year, it is very important that you respond to the survey this year.

A key portion of the general aviation population is comprised of owners or operators of multiple aircraft. The summary form is designed to alleviate the reporting burden for multiple aircraft, thereby encouraging maximum participation.

### What should I do if I have a question about how to fill out the survey or have a question we haven't answered?

Please call the GA Survey helpline at 1-800-826-1797 or email [infoaviationsurvey@tetrattech.com](mailto:infoaviationsurvey@tetrattech.com).

### Has the Office of Management and Budget Paperwork Reduction Project cleared this survey?

Yes. The OMB control number is 2120-0060, with an expiration date of November 30, 2024.

Figure B.15. Large Fleet—Mail 2 Cover Letter



U.S. Department  
of Transportation

**Federal Aviation  
Administration**

May 3, 2024

Office of the Administrator

800 Independence Ave., S.W.  
Washington, D.C. 20591

Dear Aircraft Owner or Operator:

Please participate in the 2023 General Aviation (GA) and Part 135 Activity Survey. Our records indicate that you are an owner or operator of multiple aircraft. You are receiving a *special summary survey so that you may report activity for your entire fleet instead of completing a longer questionnaire for each of your aircraft.*

Please respond today at  
**[www.aviationfleetsurvey.org](http://www.aviationfleetsurvey.org)**  
Use your 7-digit password to log in: <<LFID>>

#### ABOUT THE SURVEY

The FAA conducts the GA Survey annually to measure the size, activity, and characteristics of the GA fleet.

- The FAA uses GA Survey data to ensure aviation safety. Aviation associations and private industry use the data to address owners' needs and improve aviation technology.
- Results from past surveys are published online at [http://www.faa.gov/data\\_research/aviation\\_data\\_statistics/general\\_aviation/](http://www.faa.gov/data_research/aviation_data_statistics/general_aviation/).
- Your responses are confidential! We aggregate the information, and individual responses are never shared with the FAA.

#### WHY SHOULD I RESPOND?

The FAA and industry need accurate data on a broad range of aircraft. Your participation is voluntary, but we need your help to measure the GA fleet accurately.

#### QUESTIONS?

Answers to frequently asked questions are on the reverse of this letter. For further assistance with the survey, please call 1-800-826-1797 or email [infoaviationsurvey@tetrattech.com](mailto:infoaviationsurvey@tetrattech.com). You can send questions to the FAA at [GASurvey@faa.gov](mailto:GASurvey@faa.gov).

Thank you for your help with this important study!

Sincerely,

Michael G. Whitaker  
Administrator





## **The 2023 General Aviation and Part 135 Activity Survey**

### **What does the FAA do with this detailed information?**

The information collected in this survey helps the FAA to understand more about general aviation activities, assess the impact general aviation activities have on the National Airspace System, and determine the need for increased traffic facilities and services. Federal, state, and local governments; general aviation associations; and private industry and individuals use the summary data for safety analyses, planning, forecasting, and research and development.

### **Will my name be associated with my survey responses?**

**ABSOLUTELY NOT!** The survey will exclusively utilize the gathered information for statistical purposes, and its confidentiality will be maintained to the extent allowed by law. The FAA will not publish any reports or tables that would reveal specific information reported by an individually identifiable respondent. Names of individuals are never associated with responses. There is an identification number on your survey only so Tetra Tech, the professional research firm conducting the study for us, knows who should receive the survey.

### **Why was I selected for this survey?**

The Civil Aviation Registry selected your aircraft, indicating you as the registrant of this aircraft as of December 31, 2023.

Many aircraft were randomly sampled from the Civil Aviation Registry, but several groups were sampled at 100 percent to understand the activity of high-use groups better. These groups include FAR Part 135 aircraft, rotorcraft, turbine aircraft, aircraft five years old or newer, and Alaska-based aircraft.

### **What if I completed a survey last year?**

Even if you were sampled last year, it is very important that you respond to the survey this year.

A key portion of the general aviation population is comprised of owners or operators of multiple aircraft. The summary form is designed to alleviate the reporting burden for multiple aircraft, thereby encouraging maximum participation.

### **What should I do if I have a question about how to fill out the survey or have a question we haven't answered?**

Please call the GA Survey helpline at 1-800-826-1797 or email [infoaviationsurvey@tetrattech.com](mailto:infoaviationsurvey@tetrattech.com). You can send questions to the FAA at [GASurvey@faa.gov](mailto:GASurvey@faa.gov).

### **Has the Office of Management and Budget Paperwork Reduction Project cleared this survey?**

Yes. The OMB control number is 2120-0060, with an expiration date of November 30, 2024.

Figure B.16. Large Fleet—Mail 3 Cover Letter



U.S. Department  
of Transportation

**Federal Aviation  
Administration**

May 31, 2024

Office of the Administrator

800 Independence Ave., S.W.  
Washington, D.C. 20591

Dear Aircraft Owner or Operator:

Do you have 15 minutes to spare? Thanks to the support and participation of the General Aviation (GA) community, the 2022 survey was a tremendous success. You can help us sustain that success! *The enclosed survey form, available online, is designed to minimize burden while still providing information for accurately measuring the size and activity of the GA fleet.*

Please respond today at  
**[www.aviationfleetsurvey.org](http://www.aviationfleetsurvey.org)**  
Use your 7-digit password to log in: <<LFID>>

#### ABOUT THE SURVEY

The GA Survey is the *only source of information on the size, activity, and characteristics of the GA fleet*. The data is used for the following purposes:

- Computing fatal accident rates and other safety metrics.
- Understanding how aviation impacts local economic growth, including jobs and household income.
- Determining funding for aviation infrastructure.

#### WHY SHOULD I RESPOND?

- The FAA and industry rely on accurate data for a broad range of aircraft across the National Airspace System.
- *If none or just a few of your aircraft flew in 2023* – that is important information!
- Your responses are confidential. Information is reported only in aggregate, and results are publicly available.

#### QUESTIONS?

Answers to frequently asked questions are on the reverse of this letter. For further assistance with the survey, please call 1-800-826-1797 or email [infoaviationsurvey@tetrattech.com](mailto:infoaviationsurvey@tetrattech.com). You can send questions to the FAA at [GASurvey@faa.gov](mailto:GASurvey@faa.gov).

Thank you for your help with this important study!

Sincerely,

Michael G. Whitaker  
Administrator



## The 2023 General Aviation and Part 135 Activity Survey

### What does the FAA do with this detailed information?

The information collected in this survey helps the FAA to understand more about general aviation activities, assess the impact general aviation activities have on the National Airspace System, and determine the need for increased traffic facilities and services. Federal, state, and local governments; general aviation associations; and private industry and individuals use the summary data for safety analyses, planning, forecasting, and research and development.

### Will my name be associated with my survey responses?

**ABSOLUTELY NOT!** The survey will exclusively utilize the gathered information for statistical purposes, and its confidentiality will be maintained to the extent allowed by law. The FAA will not publish any reports or tables that would reveal specific information reported by an individually identifiable respondent. Names of individuals are never associated with responses. There is an identification number on your survey only so Tetra Tech, the professional research firm conducting the study for us, knows who should receive the survey.

### Why was I selected for this survey?

The Civil Aviation Registry selected your aircraft, indicating you as the registrant of this aircraft as of December 31, 2023.

Many aircraft were randomly sampled from the Civil Aviation Registry, but several groups were sampled at 100 percent to understand the activity of high-use groups better. These groups include FAR Part 135 aircraft, rotorcraft, turbine aircraft, aircraft five years old or newer, and Alaska-based aircraft.

### What if I completed a survey last year?

Even if you were sampled last year, it is very important that you respond to the survey this year.

A key portion of the general aviation population is comprised of owners or operators of multiple aircraft. The summary form is designed to alleviate the reporting burden for multiple aircraft, thereby encouraging maximum participation.

### What should I do if I have a question about how to fill out the survey or have a question we haven't answered?

Please call the GA Survey helpline at 1-800-826-1797 or email [infoaviationsurvey@tetrattech.com](mailto:infoaviationsurvey@tetrattech.com).

### Has the Office of Management and Budget Paperwork Reduction Project cleared this survey?

Yes. The OMB control number is 2120-0060, with an expiration date of November 30, 2024.