

SOURCES SOUGHT NOTICE

Supplemental Type Certificate (STC) of Aircraft Greenhouse Gas (GHG) Analyzer

This Sources Sought Notice is for market research purposes only and does not constitute a Request for Proposal or Quotation. It is not considered to be a commitment by the Government to award a contract nor will the Government pay for any information provided; no basis for claim against the Government shall arise as a result from a response to this Sources Sought Notice or Government use of any information provided.

Pursuant to FAR Part 10 (Market Research), the purpose of this notice is to:

1. Determine if sources capable of satisfying the agency's requirements exists.
2. Determine whether the acquisition should utilize any of the small business programs in accordance with FAR Part 19.

Pursuant to FAR Part 6 and FAR Part 19, competition and set-aside decisions may be based on the results of this market research. This notice in no way obligates the Government to any further action.

Requirement: This notice is issued by the National Oceanic and Atmospheric Administration (NOAA) Western Acquisition Division and Global Monitoring Laboratory (GML) to identify sources capable of providing the following:

The requirement is to provide a Supplemental Type Certificate (STC) that will allow NOAA to install commercial aircraft greenhouse gas (GHG) analyzer on a Boeing 737-800 with potential to fly on Boeing 737-8/-9/-10 MAX aircraft. This contract is specifically for an aircraft integrator that will accomplish the integration design, substantiation, and FAA STC certification of the infrastructure needed for the GHG measurement instrumentation installation. The integrator will design and supply necessary parts, structure, and wiring needed for the infrastructure installation in Boulder, Colorado.

Anticipated Period of Performance: The anticipated period of performance for services is one (1) year. A Firm Fixed price contract is anticipated for award.

NAICS Code/Size Standard: The applicable NAICS Code is 541990, All Other Professional, Scientific, and Technical Services, and the size standard is \$19.5M.

Scope of Work: The scope of the acquisition is for the integration design and STC certification of the NGAS Infrastructure on a 737-800 aircraft with the option on a 737-8/9/10 MAX aircraft. The scope includes all parts and hardware required for the integration, including the equipment rack, equipment mounting tray, all wiring, and the hardware device that supports data logging and transmission functionality.

The scope includes the follow:

- 1) Integration design for:
 - a) Structural support (rack) to install the LRU to the aircraft

- b) Equipment tray to mount the LRU to the rack
- c) Power distribution and control(s) of LRU
- d) Device to support data logging and transmission for LRU
- e) Device to support data logging from ARINC429 system of A/C
- f) Cockpit control of power bus of A/C
- g) Power distribution and control from A/C
- h) Air probe (designed to be supplied) and inlet line for sampling air outside of the plane.

2) The integrator is responsible for all commercial and technical data to accomplish supplemental type certification (STC) on the installation of the NGAS infrastructure. It is preferable for the cert project to be managed using an Organization Designation Authorization (ODA)

3) The integrator shall be responsible for all aspects of the STC. Documents include, but are not limited to:

- a) Opening of FAA STC Project
- b) Engineering Order/Work Instructions (Mechanical and Electrical Installations)
- c) Structural Substantiation Report
- d) Instructions for Continued Airworthiness (ICA's)
- e) Weight and Balance Report
- f) Flammability Test Plan and Final Report
- g) Electrical Loads Statement
- h) Ground Functional Test Report
- i) Equipment Hazard Analysis Assessment
- j) Wire Routing Safety Assessment Analysis
- k) AMM, IPC, WDM Updates
- l) Test plans for air probe, rack and power, data and cockpit controls (as required)
- m) EMI/RFI Ground Test Report:
- n) Flight Test Report
- o) Master Data List
- p) STC Certificate & Final Paperwork
- q) Aircraft Weighing Procedure

4) The integrator shall schedule, organize and execute critical milestone dates to achieve a successful on-time installation of the NGAS system installation; and maintain an action item list to track open items until resolution. Action list will be shared during weekly meetings to track performance.

Submission of Information: Companies having capabilities necessary to meet or exceed the stated requirements are invited to provide information to contribute to this market survey/sources sought notice including commercial market information and company information.

Companies may respond to this Sources Sought Notice via email to: sarah.corey@noaa.gov no later than June 20th, 2023 at 3:00PM Mountain Time.

Please provide the following information/documentation:

1. **Name of Company, Address and Unique Entity ID.**
2. **Point of Contact and Phone Number.**
3. **Business Size applicable to the NAICS Code:** 8(a) Small Business Concern, Hub Zone Small Business Concern, Service-Disabled Veteran Owned Small Business Concern (SDVOSBC) or a Small Business Concern.
4. **Statement for Proposal Submission:**
 - Evidence of experience in work similar in type and scope to include contract numbers, project titles, points of contact and telephone numbers.
 - Brief statement on how your company will perform the work.
 - Confirmation that your company WILL submit a proposal as a prime contractor if a solicitation is issued as a result of this Sources Sought Notice.

Interested parties: Need to be registered in the System for Award Management (SAM). Failure to submit sufficient detailed information may result in considering a company as not a viable source and may influence competition and set-aside decisions. Regardless of the information obtained from this Sources Sought Notice, the Government reserves the right to consider any arrangement as deemed appropriated for this requirement.

Respondents are advised that the Government is under no obligation to acknowledge receipt of the information received or provide feedback to respondents with respect to any information submitted. No proprietary, classified, confidential, or sensitive information should be included in your response to this Sources Sought Notice. The Government reserves the right to use any information provided by respondents for any purpose deemed necessary and legally appropriate, including using technical information provided by respondents in any resultant solicitation.

After a review of the responses received from this notice, a pre-solicitation notice and solicitation may be published on the Governmentwide Point of Entry (GPE). It is the potential offeror's responsibility to monitor the GPE for release of any future solicitation that may result from this Sources Sought Notice. Responses to this Sources Sought Notice will not be considered adequate responses to any resultant solicitation.