



**ARLINGTON COUNTY, VIRGINIA
OFFICE OF THE PURCHASING AGENT**

REQUEST FOR INFORMATION NO. 24-DES-RFI-371

ADDENDUM NO. 1

The following responses are to the questions received in response to Arlington County Request for Information No. 24-DES-RFI-371 for Biogas Market Assessment.

1. Question: Would it be possible to arrange for a site visit?

Answer: The County will not conduct a site visit for this Request for Information.

2. Question: Would Arlington be interested in a shared ownership? If so, what is the minimum share?

Answer: The County is seeking information on the Biogas Market. If Respondents have suggestions on managing the County's potential program, Respondents should include the information in their response.

3. Question: What is the steam load in mmBTU per hour at the primary digesters and the thermal hydrolysis facility? If so, what kind of boiler are you using to generate the steam?

Answer: The estimated average fuel input to the boilers is between 3.9 to 5.0 mmBTU/hr over the life of the project. The current plan is to use conventional steam boilers, although as design has yet to start, those plans could change.

4. Question: Does the County have a thermal load that it plans to serve with RNG? If so, what is the annual usage by month?

Answer: The County could choose to use raw or conditioned biogas to fuel the boilers (see Question 3 above) onsite. There are no other onsite significant thermal loads.

5. Question: Does the County use CNG for any other transportation needs (e.g. fleet vehicles)? If so, what is the volume? If not, is the County interested in this CNG opportunity?

Answer: Not at this time.

6. **Question: Are any of the CNG buses being refueled using public fueling stations, or does all fueling take place via the counties CNG fueling at its own facilities?**

Answer: All fueling is currently done at County owned station(s).

7. **Question: What are the fuel sources of the vehicles owned/operated by Arlington County? How much fuel is consumed by vehicle type by year?**

Answer: Refer to the Draft ART Zero-Emission Bus Study, available on the Transportation Commission's website (<https://www.arlingtonva.us/Government/Commissions-and-Advisory-Groups/Transportation-Commission>) under the November 30, 2023 meeting materials.

8. **Question: Is Arlington County open to co-developing a hydrogen fueling station to support fueling for such a fleet of fuel cell EVs such as buses, trucks or other vehicles? Is Arlington County open to have such a facility open to third parties/public access, e.g., at the Arlington County bus facility across?**

Answer: Refer to the Draft ART Zero-Emission Bus Study, available on the Transportation Commission's website (<https://www.arlingtonva.us/Government/Commissions-and-Advisory-Groups/Transportation-Commission>) under the November 30, 2023 meeting materials.

The County would be open to third-party use of RNG but distribution would have to be at locations other than County owned facilities.

9. **Question: Is Arlington County open to converting any of its County vehicles to CNG/RNG or replace them with zero-emission hydrogen fuel cell EVs? If so, how many vehicles and what type, and in which time frame?**

Answer: Refer to the Draft ART Zero-Emission Bus Study, available on the Transportation Commission's website (<https://www.arlingtonva.us/Government/Commissions-and-Advisory-Groups/Transportation-Commission>) under the November 30, 2023 meeting materials.

10. **Question: Please confirm that Arlington County operates 78 CNG buses. How many other trucks/vehicles are owned/operated by Arlington Co, what size vehicles are they and is there a tentative vehicle replacement schedule that can be shared?**

Answer: Refer to the Draft ART Zero-Emission Bus Study, available on the Transportation Commission's website (<https://www.arlingtonva.us/Government/Commissions-and-Advisory-Groups/Transportation-Commission>) under the November 30, 2023 meeting materials.

11. **Question: How much space is available at the site for any 'new technology' equipment, such as onsite steam methane reforming equipment for hydrogen production and solar PV?**

Answer: Space on site is very limited. Refer to the Facilities Plan, Section 23 for discussion of space considerations for future facilities.

12. Question: Does Arlington County have any estimates on cost savings, such as sludge hauling, that would be achieved with the application of the biogas facility?

Answer: Refer to the original County Solids Master Plan for estimates on cost savings (<https://www.arlingtonva.us/Government/Projects/Project-Types/Uncategorised/Water-Pollution-Control-Plant-Solids-Master-Plan>)

13. Question: How much land is available to site an RNG pressure regulating station at the landfill?

Answer: There is no landfill. Space for an RNG pressure regulating station at the WPCP has been accounted for in potential site layouts.

14. Question: How much land is available to site a biogas conditioning/upgrading facility? Has the County identified an area to site such a facility?

Answer: The County has allocated space onsite for a biogas conditioning/upgrading facility. The overall final site layout has not yet been determined.

The balance of the solicitation remains unchanged.

Arlington County, Virginia

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RETURN THIS PAGE, FULLY COMPLETED AND SIGNED, WITH YOUR SUBMISSION:

RESPONDENT ACKNOWLEDGES RECEIPT OF ADDENDUM NUMBER 1

FIRM NAME: _____

AUTHORIZED SIGNATURE: _____ **DATE:** _____