

February 5, 2025

RFP-25-012: Northern Virginia Regional Biosolids Feasibility Study

Addendum No. 3

Respondents shall acknowledge receipt of this Addendum on the RFP Checklist in Attachment D of the Request for Proposals (RFP) with submittal of the Proposal. Failure to do so may result in the rejection of the Proposal.

Addendum No.3 to RFP-25-012 consists of following:

- Three (3) pages of text.
- Memorandum of Understanding between the participating Authorities.

Respondents shall make the following changes to all pertinent sheets, pages, and paragraphs of RFP-25-001. Additions and modifications have been marked with an underline and deletions have been marked with a strikethrough.

A. Replace Table 3.2. with the following table:

Table 3.2. Related Project Experience Summary

Project Name:			
Location:			
Project Description		Total Contract Value	
		Date Project Started	
		Actual Completion Date	
		Owner/Client Reference	
		Organization	
		Name	
		Role	
		Phone	
		E-mail	
		Key Personnel and Role(s)	

Respondent's Role and Scope			
Relevant Technical Scope Elements			
Applicability to this Contract's Scope of Services			
Significant challenges encountered and solutions provided during the project			

Response to Respondent's Questions

Q1: Page 13 of the RFP states that the Section 3.5 Related Project Experience table must include 7 items (bullets A through G). This list does not match the sample table on page 13. Can you please confirm the list of information needed for project experience?

A1: See updated table above.

Q2: Pages 13 and 14 of the RFP show a template for Table 3.2 for three example projects. May proposers deviate from this template and use a narrative format with a photo that includes all required information instead?

A2: Proposers may use a narrative format as long as it includes all required information.

Q3: The RFP Checklist (Attachment C) that is to be included in our submittal includes a content section for "Approach to Support AlexRenew's Environmental Justice Policy" but is not mentioned elsewhere in the RFP. Can the Authorities please clarify if this section is required?

A3: This section is not required.

Q4: Section 2 of the RFP indicates that the Authorities signed a MOU to support the work for this effort. Can that MOU be provided as part of this RFP?

A4: The MOU is provided as an attachment to this Addendum No. 3.

Q5: Is it permissible to modify Table 3.1 and Table 3.2 from the RFP as long as the information requested is included?

A5: Yes, it is permissible to modify Table 3.1 and Table 3.2. See also answer to Question 2 above.

Q6: Page 19, Section 5.1 Format of the RFP states that "pages shall be 8.5-inch by 11-inch with a minimum of 0.5-inch margins. Question: Is it acceptable to submit the proposal in 8.5 x 11-inch pages in both portrait and landscape format, while meeting the outlined page requirements?

A6: Yes, it is acceptable to submit the proposal in 8.5 x 11-inch pages in both portrait and landscape format.

End of Addendum No. 3

Memorandum of Understanding

November 19, 2024

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MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding ("MOU") is made this 19th day of November, 2024 by and between the CITY OF ALEXANDRIA, VIRGINIA SANITATION AUTHORITY d/b/a ALEXRENEW, a body corporate and politic ("AlexRenew"); FAUQUIER COUNTY WATER AND SANITATION AUTHORITY; LOUDOUN WATER; PRINCE WILLIAM WATER; and UPPER OCCOQUAN SERVICE AUTHORITY ("UOSA"). All may be referred to as the "Parties" or each individually as a "Party." All Parties are Authorities created and operating pursuant to the Virginia Water and Waste Authorities Act. (§§ 15.2-5100 through 15.2-5159 of the Code of Virginia).

RECITALS:

This MOU sets forth an agreement in principle among the Parties to conduct a feasibility study for long-term regional alternatives to land application of biosolids. This MOU is subject to the Parties entering into a definitive agreement that implements the points of principle of this agreement and no legally binding obligations among the Parties with respect to the terms of this MOU will arise until the execution and delivery of the definitive agreement.

POINTS OF PRINCIPLE:

1. The Parties currently generate biosolids in amounts reflected as wet tons illustrated in Exhibit A.
2. All Parties except Prince William Water currently contract for land application of biosolids.
3. Due to growing concerns about land application, and in anticipation of stricter biosolids management regulations, the Parties want to proactively explore viable alternatives to land application.
4. The Parties recognize that a regional approach could create economies of scale and result in cost savings for ratepayers.
5. The Parties wish to jointly develop a feasibility study to identify and evaluate regional alternatives for regional management of biosolids.
6. The Parties agree that AlexRenew will draft a Request for Proposals (RFP) in compliance with the Virginia Public Procurement Act. All Parties will review and approve the RFP prior to release.
7. Each Party will appoint a liaison to serve on the evaluation committee who will meet to review and evaluate the proposals.
8. AlexRenew will coordinate the drafting of a contract for the feasibility study subject to review and approval by all Parties. The contract amount will not exceed \$1,000,000.
9. The feasibility study will consider 2040 estimates of the Parties' biosolids production, include the following elements (at a minimum), and be completed within one (1) year of contract award:
 - a. Alternatives evaluation for the regional management of biosolids including the following technologies:

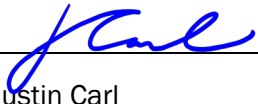
- i. Thermal drying;
 - ii. Incineration that can reach high enough temperatures to destroy PFAS and additional stack controls/thermal oxidizers to minimize air emissions; and
 - iii. Pyrolysis, gasification, thermal hydrolysis, or some other emerging technology that has not yet been brought to market.
- b. The alternatives evaluation will include case studies of each technology to identify benefits and concerns related to the constructability and operability of similar systems;
 - c. Case studies of other regional facilities;
 - d. Business case evaluation, including capital cost investment (Class 5 estimate per the Association for the Advancement of Cost Engineering International's *Recommended Practice No. 18R-97 Cost Estimate Classification System*), life-cycle cost analysis, and alternative end use markets;
 - e. Implementation schedule, including design and construction phases for each alternative;
 - f. Regulatory review of each alternative;
 - g. Siting study, including property and zoning requirements;
 - h. Review of incorporating diverse feedstocks (cake, pellets) and other feedstocks (fats, oils, and grease or high strength food waste) into each alternative;
 - i. Identification of potential uses for the energy recovered from the regional facility and how these benefits would be realized in a joint venture;
 - j. Evaluation of potential storage options;
 - k. Identification of potential funding sources for the construction of a regional facility;
 - l. Structural/governance alternatives for a new regional entity, including examples of other regional authorities created for a similar purpose; and
 - m. Risk analysis and identification of externalities that might become obstacles to success for a joint venture.
10. The Parties will share the costs of the analysis with each paying a percentage based on annual solids weight. See Exhibit A.
11. Once the contract is awarded, the evaluation committee will become the contract oversight committee with Allison Deines (AlexRenew) acting as the Project Lead and Kendra Sveum (Loudoun Water) acting as the Deputy Project Lead to manage the consultant.

IN WITNESS WHEREOF, the Parties hereto have caused this document to be executed on behalf of their authorized representatives as set forth below.

[Signatures on Following Pages]

ALEXRENEW:

CITY OF ALEXANDRIA, VIRGINIA SANITATION AUTHORITY,
d/b/a AlexRenew, a body corporate and politic

By: 
Name: Justin Carl
Its: General Manager and CEO

FAUQUIER COUNTY WATER AND SANITATION AUTHORITY:

By: _____
Name: Ben Shoemaker
Its: Executive Director

LOUDOUN WATER:

By: _____
Name: Brian Carnes
Its: General Manager

PRINCE WILLIAM WATER:

By: _____
Name: Calvin Farr
Its: General Manager/CEO

UPPER OCCOQUAN SERVICE AUTHORITY:

By: _____
Name: Brian Steglitz
Its: Executive Director

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Its: General Manager and CEO

FAUQUIER COUNTY WATER AND SANITATION AUTHORITY:

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Name: Ben Shoemaker

Its: Executive Director

LOUDOUN WATER:

By: _____

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Its: General Manager

PRINCE WILLIAM WATER:

By: _____

Name: Calvin Farr

Its: General Manager/CEO

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Its: Executive Director

LOUDOUN WATER:

By: _____

Name: Brian Carnes

Its: General Manager

PRINCE WILLIAM WATER:

By:  _____

Name: Calvin D. Farr, Jr.

Its: General Manager/CEO

UPPER OCCOQUAN SERVICE AUTHORITY:

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By: _____

Name: Brian Carnes

Its: General Manager

PRINCE WILLIAM WATER:

By: _____

Name: Calvin Farr

Its: General Manager/CEO

UPPER OCCOQUAN SERVICE AUTHORITY:

By: Brian Steglitz Digitally signed by Brian Steglitz
Date: 2024.11.05 08:45:06 -05'00'

Name: Brian Steglitz

Its: Executive Director

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EXHIBIT A – REGIONAL BIOSOLIDS FEASIBILITY STUDY COST SHARE

Party	Current Biosolids Production in Wet Tons Per Year	Cost Share
AlexRenew	21,873	43%
Fauquier Water and Sewer	2,598	5%
Loudoun Water	13,124	26%
Prince William Water	4,314	9%
UOSA	8,749	17%
Total	50,658	

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