

January 23, 2025

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

### **Addendum No. 1**

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.1 to RFP-25-012 consists of following:

- Two (2) pages of text; and
- The list of attendees and copy of the presentation from the optional Information Session held on January 14, 2025.

Respondents shall make the following changes to all pertinent sheets, pages, and paragraphs of RFP-25-012. Additions and modifications have been marked with an underline and deletions have been marked with a strikethrough.

A. **Amend** the cover page paragraph as follows:

1. Proposals shall only be submitted electronically via e-mail to Igor Scherbakov, Procurement Manager, to [Biosolids-25-012@alexrenew.com](mailto:Biosolids-25-012@alexrenew.com) on or before 2:00 PM ET, February 25 28, 2025.

B. **Amend** Table 2.2 as follows:

<b>Date</b>	<b>Activity</b>
January 7, 2025	Issue RFP
January 14, 2025	Preproposal Meeting 10:00 AM to 12:00 PM Local Time
February 4, 2025	Last Date to Submit Questions Regarding RFP; 2:00 PM Local Time
February 11, 2025	Last Day for AlexRenew to Issue Addenda
February 25 <del>18</del> , 2025	Proposals Due; 2:00 PM Local Time
March 25 - 27, 2025	Interviews
April 2025	Notifications to Respondents of Selection
May 2025	Contract Approval by AlexRenew Board
May 2025	Anticipated Notice to Proceed for Contract

C. **Amend** the RFP-25-012 Cover Sheet in Attachment B as follows:

**Proposals submitted  
to AlexRenew:**

No later than 2:00 PM ET, February 25-18, 2025

**End of Addendum No. 1**



# NORTHERN VIRGINIA REGIONAL BIOSOLIDS STUDY

REQUEST FOR PROPOSALS 25-012

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PRE-PROPOSAL MEETING | JANUARY 14, 2025

# SAFETY MINUTE

## Four States That Impact Safety

### Fatigue

Taking breaks, working in teams, and getting proper rest can lead to safer outcomes.

### Rushing

When you feel rushed, remind yourself to slow down. Ask supervisors for help planning work so that you can do your best.

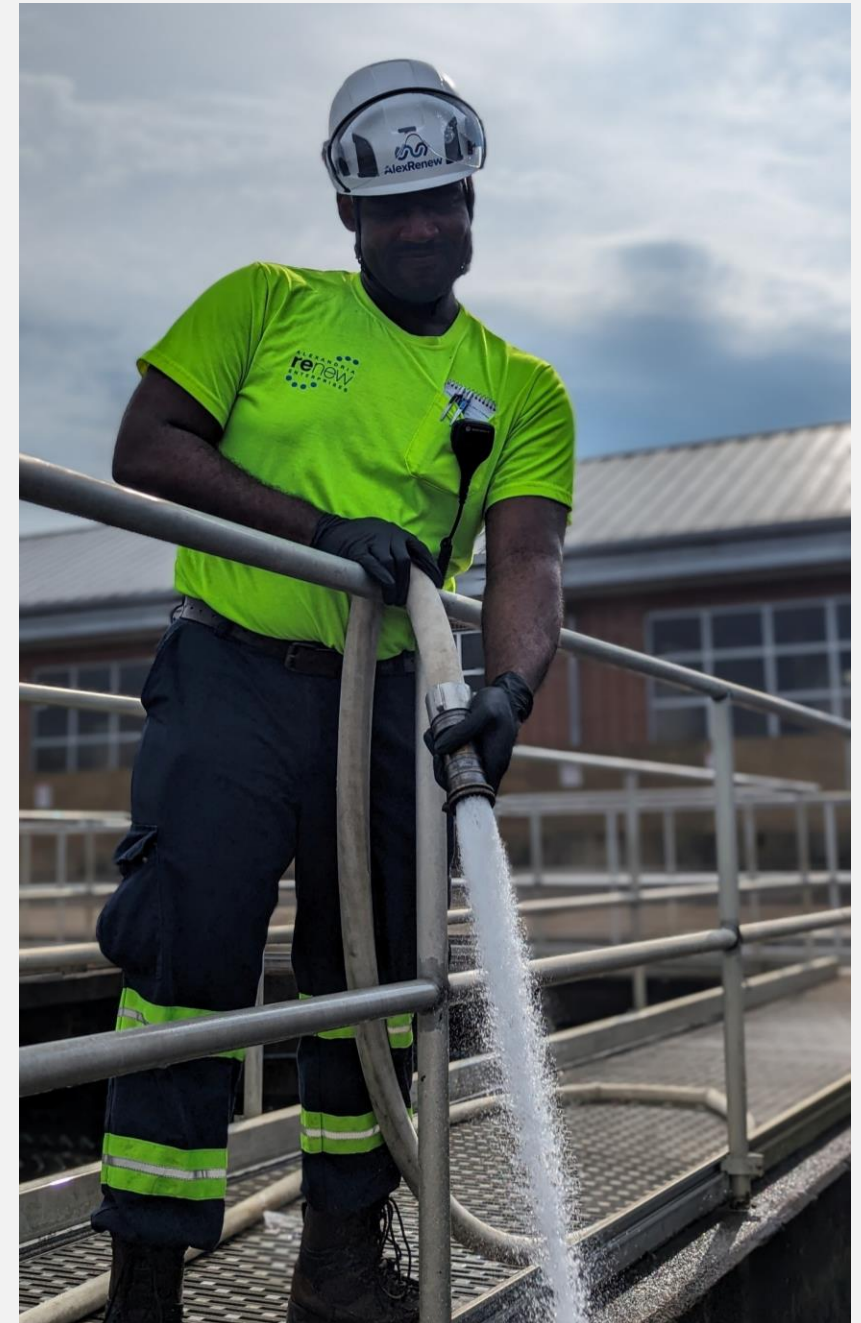
### Frustration

Frustration happens! Take a break, strategize, and ask for help if you are starting to feel frustration.

### Complacency

It's easy to become complacent with tasks we do everyday. Be aware and remind yourself to keep your mind and eyes on task.

**Together we can make sure that everyone goes home safe every day!**



# NORTHERN VA REGIONAL PARTNERSHIP



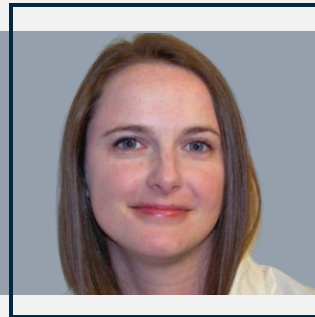
**Allison Deines**

*Chief Water Quality Officer*



**Milas Smith**

*Director of Operations*



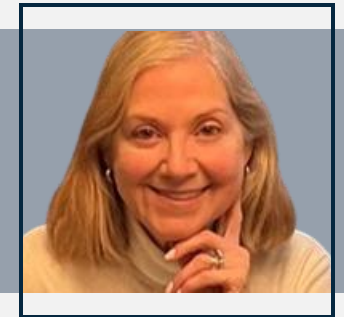
**Kendra Sveum**

*Executive Director Operations  
and Maintenance*



**Doug Hague**

*Chief Operating Officer*



**Maureen O'Shaughnessy**

*Process Engineer,  
Environmental Services and  
Water Reclamation*

*In collaboration with:*





## Northern VA Regional Partnership

# MEMORANDUM OF UNDERSTANDING

- / Agreement between AlexRenew, Fauquier County Water and Sewer Authority (WSA), Loudoun Water, Prince William Water, and Upper Occoquan Service Authority (UOSA), collectively referred to as **the “Parties”**
- / Arlington County and Fairfax County will collaborate in the study to provide technical review, data, and support
- / Study will consider **2040 estimates** of the Parties’ biosolids production
- / AlexRenew will hold the contract with the successful firm
  - 1-year term
  - Contract capped at \$1 million

Due to growing concerns about land application of biosolids, and in anticipation of stricter biosolids management regulations, the Parties want to proactively explore viable alternatives to land application.





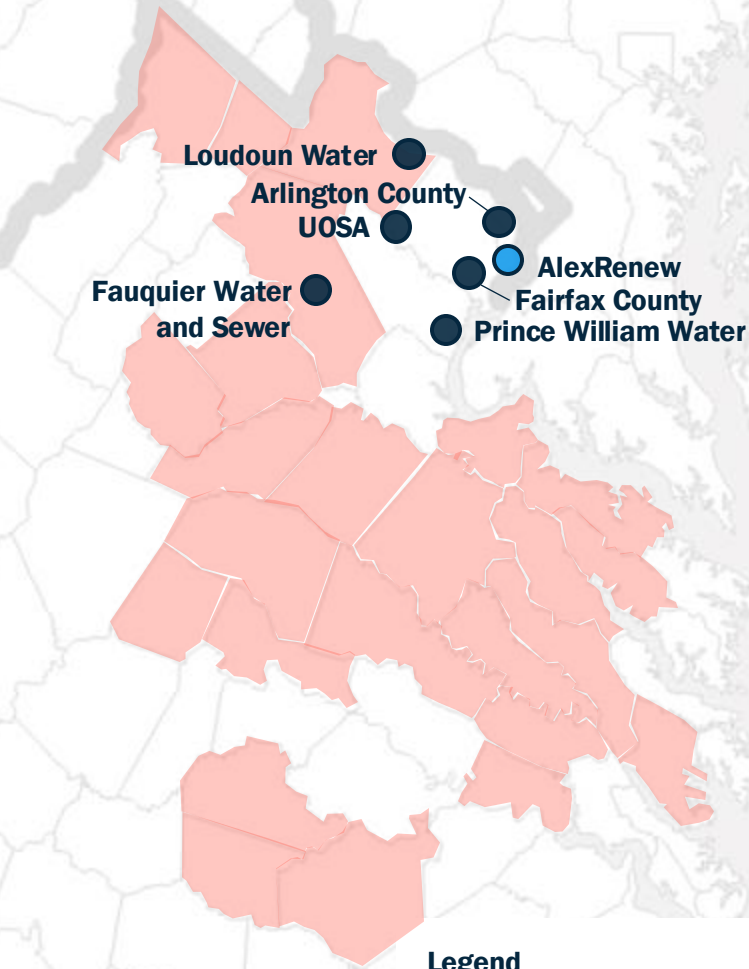
Northern VA Regional Partnership

# BIOSOLIDS MANAGEMENT

Current and Future End Use for Regional Wastewater Biosolids Management

Entity	Current			Future	
	Biosolids Process	End Use	Wet Tons Per Year (1)	Biosolids Process	Future End Use (10-year)
AlexRenew	Pasteurization, Digestion	Class B Cake	21,873	Digestion, Thermal Drying	Class A Pellets
Arlington County	Lime Stabilization	Class B Cake	34,996	Thermal Hydrolysis and AD	Class A Cake
Fairfax County	Incineration	Incinerator Ash	61,243	Incineration	Incinerator Ash
Fauquier County WSA	Anaerobic Digestion	Class B Cake	2,400	Anaerobic Digestion	Class B Cake
Loudoun Water	Digestion	Class B Cake	11,778	Digestion, Thermal Drying	Class A Pellets
Prince William Water	Incineration	Incinerator Ash	24,625	Incineration or Thermal Drying	Incinerator Ash
UOSA	Thermal Drying	Class A Pellets	6,525	Thermal Drying	Class A Pellets

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Note: (1) Regional Biosolids Report (2021)



**Legend**

- Wastewater entity
- Virginia counties receiving Northern VA biosolids 5

# RFP-25-012 GOALS

1

## Feasibility Study

Jointly develop a feasibility study to identify and evaluate alternatives for the regional management of biosolids

2

## Economies of Scale

Create economies of scale to support potential savings to ratepayers

3

## Governance Framework

Develop a framework to support governance alternatives for a new regional entity

4

## Partnership

Further develop partnerships between Northern VA authorities and municipalities

5

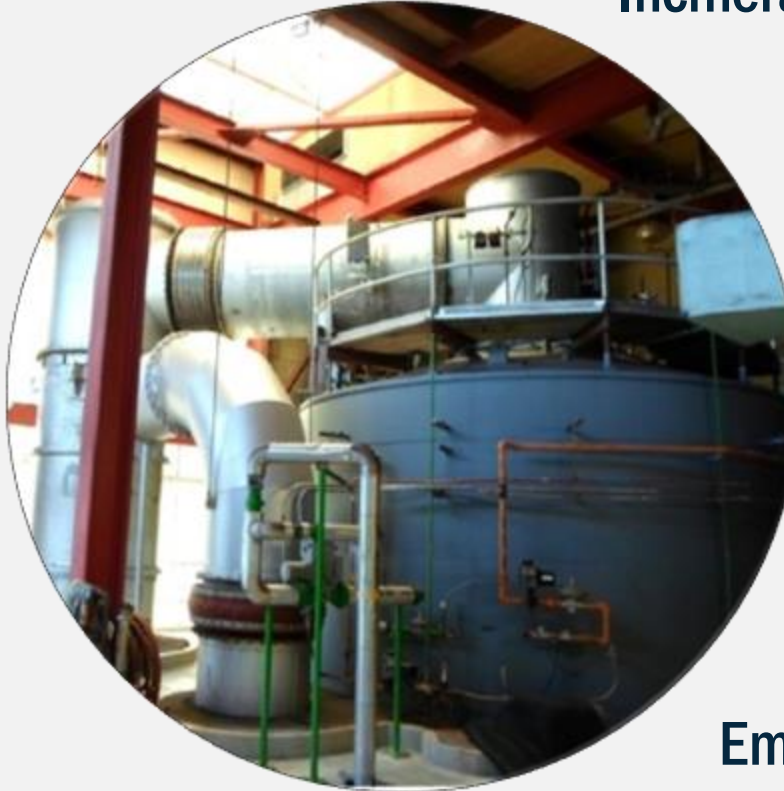
## Next Steps

Identify future steps for further development and implementation of a regional facility

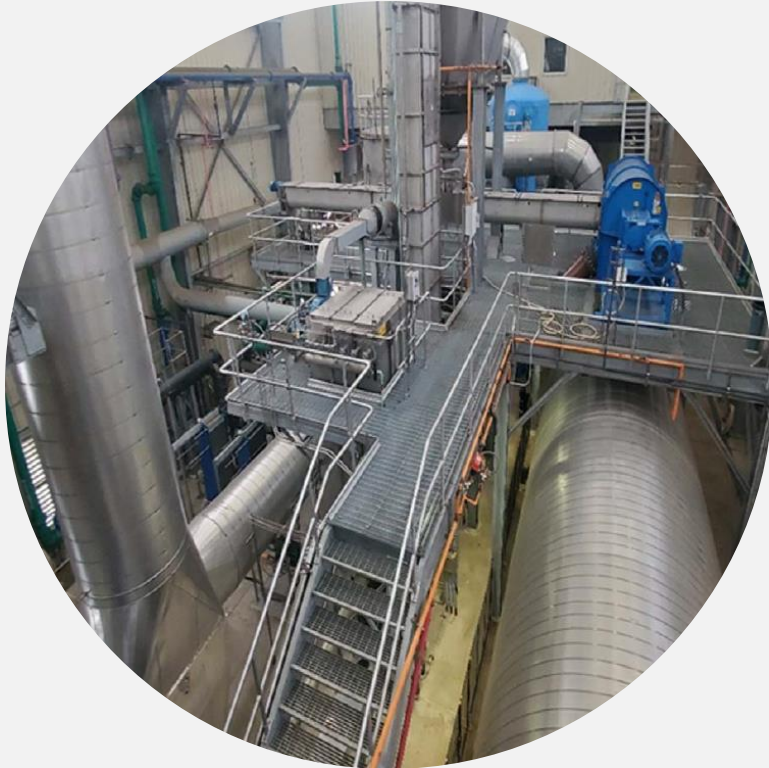


# RFP-25-012 TECHNOLOGIES TO BE STUDIED

Incineration



Thermal Drying



Emerging  
Technologies

- / Pyrolysis
- / Gasification
- / Thermal hydrolysis



Northern VA Regional Biosolids Study

# RFP-25-012 SCOPE ELEMENTS



**Project  
Management**

- Establish a project charter
- Set up meeting and review cadence to meet completion date



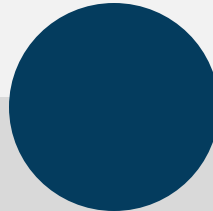
**Alternatives  
Evaluation**

- Conduct alternatives evaluation for identified technologies
- Develop implementation schedule
- Study incorporation of diverse feedstocks
- Provide case studies for operability and constructability
- Complete a siting study for locating a regional facility



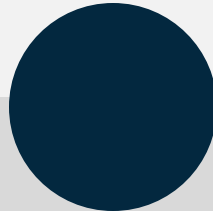
**Regional Case  
Studies**

- Analyze other regional biosolids facilities and determine applicability to Northern Virginia



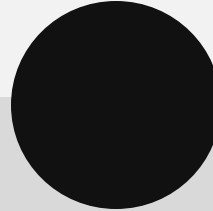
**Business Case  
Evaluation**

- Conduct a business case evaluation, including capital cost investment, life-cycle cost analysis, and alternative end use markets



**Regulatory  
Review**

- Analyze current and pending regulations and identify concerns, such as PFAS



**Governance  
Analysis**

- Review governance alternatives for a new regional entity
- Identify potential funding sources for construction
- Identify potential uses of energy (and utilized by a joint venture)
- Conduct risk analysis and identify potential obstacles to success of a joint venture

# RFP-25-012 EVALUATION CRITERIA

## Team Organization and Key Personnel

45

Team structure, technical project review board, and the following key personnel:



**Project Manager**



**Biosolids Lead**



**Biosolids Regulatory Expert**

## Related Project Experience

40

Three sample projects demonstrating:



**Emerging Biosolids Technology Evaluation**



**Biosolids Feasibility Analysis**



**Knowledge of Virginia Biosolids Regulations**

## Proposed Approach

15

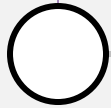
Description of how the team will conduct:

- / Project management
- / Alternatives analysis
- / Business case evaluations
- / Regulatory reviews
- / Cost estimation
- / Schedule for completion in one (1) year

# RFP-25-012 NEXT STEPS

**January 7, 2025**

Issue Request for  
Proposal Documents

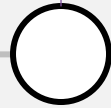


**February 18, 2025**

Proposals Due

**March 25 – 27, 2025**

Interviews with  
Shortlisted Respondents

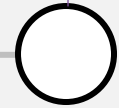


**April 2025**

Negotiations with  
Selected Respondent

**May 2025**

Contract Approval by  
AlexRenew Board and  
Notice to Proceed





# QUESTIONS AND ANSWERS



**Thank you!**

## RFP NO. 25-012 – NOVA REGIONAL BIOSLOIDS FEASIBILITY STUDY

### Preproposal Meeting – Sign-in Sheet January 14, 2025

No.	Name	Company	Phone	E-mail
1	Lane Chilton	SYNAGRO	252-808-5751	lchilton@synagro.com
2	Tringale	Brown Caldwell	571-230-7935	tle@brownald.com
3	Doug Hague	UOSA	703-227-0237	Doug.Hague@uosa.org
4	Allen Guillemins	SYNAGRO	540-420-2156	alguillemins@synagro.com
5	Carmen Astlin	Synagro	540-621-0338	csandlin@synagro.com
6	MAT VAN HORNE	HAZEN	571-499-1324	MVANHORNE@HAZENANDSAWYER.COM
7	Chris Phipps	HDR	443-254-6076	Chris.phipps@HDR.com
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9	Paul Bassette	Carollo	703-965-1990	pbassette@carollo.com
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11	Xiao Guo	Carollo	703-341-1117	xguo@carollo.com
12	Will Schaefer	Stantec	571-292-6560	will.schaefer@stantec.com
13	Melvin Smith	ECWR	805-990-1285	MSmith@ecwr.org
14	Sajana Chitlee	Fairfax	703-638-2070	Sajana.Chitlee@fairfaxva.gov
15	Curt Kleinsang	Synagro	443-506-8150	CKleinsang@Synagro.com