

SEMPTEMBER 22, 2022

COUNTY OF FAIRFAX, VIRGINIA

FAIRFAX COUNTY NOTICE OF RECEIPT OF AN UNSOLICITED PROPOSAL FOR A PUBLIC-PRIVATE PARTNERSHIP TO DEVELOP A MUNICIPAL SOLID WASTE SORTING FACILITY AND/OR ADVANCED RECYCLING FACILITY ON A PORTION OF THE CLOSED I-95 LANDFILL SITE

ADDENDUM NO.2

PROPOSALS DUE: WEDNESDAY, OCTOBER 19TH, 2022, 2:00PM EST.

This Addendum is issued to modify, explain or clarify the original RFP and is hereby made a part of the RFP. **Proposers must acknowledge this addendum on the Signature Page and submit with Proposal in the RFP Cover Letter.**

General Questions

Q: *Is there a waste characterization study you can share with us?*

A: No

Q: *The original proposal seems to target mainly recyclables. Is the County open to accepting proposals that address other streams of waste (i.e. Organics)?*

A: **Yes. The county is interested in evaluating any technologies that will assist in diverting waste from landfill.**

Q: *What is the distribution of the 650,000 tons?*

A: **Mixed MSW from Fairfax County. All 650,000 tons are currently delivered to Covanta**

- **By population: Approximately 1.15 million residents**
- **By waste type (Residential MSW, commercial MSW, C&D, Industrial waste, Yard Waste, etc): See attached DEQ form 50-25 for I-66 and I-95 waste facilities (2021 "SWIA" Report).**

Q: *Who collects the 650,000 tons of County waste?*

A: **90% of the collection is by a variety of private and 10% of the collection is public collection.**

Q: *Will the County invoke flow control over all waste generated in the County? (Residential, commercial, yard waste, other)*

A: **Fairfax County has waste designation (flow control) of MSW only.**

Q: *Please describe the County's current recycling program.*

A: **Please see the attached Annual Report**

Access to the 20- and 5-yr Solid Waste Management Plan can be found here:

[Solid Waste Management Plan Update 2015-2035 | Public Works and Environmental Services \(fairfaxcounty.gov\)](https://www.fairfaxcounty.gov/publicworks/solid-waste-management-plan-update-2015-2035)

Q: *Is it the intention of the County (and cities within the County) to continue with the current recycling program once the MWPF opens?*

A: **Fairfax County is open to alternative options in the future.**

Q: *What is the current pricing structure?*

A:

- **Waste and recyclable collection:** Current pricing structures vary depending on the service provider and type of service plan. The county Sanitary District customers are currently charged \$475 per year for weekly residential trash, recycling and yard-waste collection and disposal.
- **Waste disposal/WTE:** Retail disposal fee is approximately \$45/ton.
- **Recyclable processing:** Fairfax County is currently riding the City of Alexandria single stream recycling contract with Republic Waste Services, which provides for a per ton processing fee of \$136, and a revenue share of 80% of the net sales of recycled commodities.

Q: *Does the County have the ability and willingness to contract their waste volume for a multi-decade long initial term?*

A: **Yes. Please propose details of the proposed term in your response.**

Q: *Can you provide a copy of the County's Climate Action Plan?*

A: **The Fairfax County Climate Action Plan can be found here: [CECAP | Office of Environmental and Energy Coordination \(fairfaxcounty.gov\)](#)**

Q: *Will the County provide land for the Circular Green Economy site? If so, please provide details (acreage, topography, improvements, utilities, zoning, etc).*

A: **Map of the current location is already included. If additional area is needed, please indicate details in your response.**

Q: *Will the County allow the facility to accept wastes from outside the County's boundaries?*

A: **Yes**

Q: *Is the County's landfill gas under contract? Or will it be available in the future.*

A: **The County's landfill gas is currently under contract. If use of landfill gas will be required for use, please provide details in the response.**

Q: *The PPEA requests 10 hard copies of proposals to be mailed. Is this necessary?*

A: **Ten hard copies are not required. Please deliver two hard copies along with the review fee of \$5,000 to the following address no later than 2:00 P.M. on the proposal due date:**

**Department of Procurement and Material Management
12000 Government Center Parkway, Suite 427
Fairfax, Virginia 22035-0013**

In addition, please email an electronic version of the proposal to Kimberly Callahan at: Kimberly.Callahan@fairfaxcounty.gov by 2:00 P.M. on the proposal due date. If the proposal is larger than 20 MB, email Kimberly Callahan prior to the due date to request a share file link.

Q: *How long does the current agreement between Covanta and the County last?*

A: Current agreement runs until 2031 with the option for 5-year extensions.

Q: *Covanta WTE Plan*

- *Who is the off-taker and what is the current PPA price for the offtake of electricity generated by the WTE plant?*
- *Is there any major capital expenditure planned for an upgrade or rebuild of the WTE plant within the existing contract period or contract extension? Please elaborate on the timing, capital requirements, and anticipated effect to the County?*

A:

- **The County's relationship with Covanta does not include access to these financial details.**
- **The County's relationship with Covanta does not include access to these financial details.**

Q: *What is the County's cost per year and per ton for collection for each of MSW, yard waste, food waste, and recyclables?*

A:

- **MSW: Annual collection cost is estimated at approx. \$210/ton**
- **Yard Waste: Annual collection cost is estimated at approx. \$450/ton**
- **Food Waste: The County does not collect food waste – the two programs are drop-off pilots only, and representative operating cost data are not available at this time.**
- **Recyclables: Annual collection cost is estimated at approximately \$650/ton.**

Q: *The County's selection criteria (items I thru V) do not include a separate section for the proposed project's ability to help the County meet its Climate Action Plan goals. Will the proposed project's ability to reduce carbon emissions be considered as an evaluation criterion and if so, please explain.*

A: Yes. A project's ability to reduce carbon emissions would fall under criteria item II. "Environmental Stewardship, Sustainability."

Q: *Is LFG from the County's landfill available for use by our TEAM and if so, what volume? (SCF) Can the County's existing landfill gas contract be renewed for less than the upcoming 5-year extension?*

A: LFG is not available for use. However, current contract is expiring 12/31/22. For CY2021, SWMP reported average LFG flows of approx. 1,200 cfm.

SOLID WASTE INFORMATION AND ASSESSMENT PROGRAM REPORTING TABLE - FORM DEQ 50-25

| | | | | | |
|---|---|-----------------------------------|--|--|--------------------------|
| 1 | Facility Name I66 Transfer Station | | | | |
| 2 | Permit Number PBR555 | 3 Date Submitted to DEQ 3/31/2022 | | 4 Annual Reporting Period 2021 | |
| 5 | Preparer's First Name Susan | Middle Initial L | Last Name Davidson | | 6 Telephone 703-324-5236 |
| 7 | Preparer's E-mail Address susan.davidson@fairfaxcounty.gov | | | | |
| 8 | Has there been a change to the Annual Fee Billing Contact, Address or Telephone Number? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | |
| | Contact First Name Quentin | Last Name Marovelli | | Contact Phone 703-631-3746 | |
| | Address 4618 West Ox Road | | | E-Mail Quentin.Marovelli@fairfaxcounty.gov | |
| | City Fairfax | State VA | | Zip Code 22035 | |
| 9A | Remaining Permitted Capacity Yards | N/A | Cubic | If a facility's permitted capacity is reported in tons, please note this below in Facility Comments. DEQ will apply conversion factors based on the type of waste in order to calculate the volume and the number of years of permitted capacity available in the state. | |
| 9B | Expected Remaining Permitted Life | N/A | Years | | |
| 10 | Does facility have active scales? <input checked="" type="checkbox"/> Yes or <input type="checkbox"/> No | | | Total amount landfilled in cubic yards for all jurisdictions | |
| Note: facilities with no active scales must enter the total amount landfilled in cubic yards. | | | | | |
| 11 | Originating Jurisdiction Virginia | | 11A Statement of Economic Benefits submitted? <input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No | | |
| 12 | Facilities landfilling VA incineration ash | | Use the supplemental form to provide the facility from which ash was received and the amount. | | |

Waste amounts measured in : Tons or Cubic Yards

| Waste Type | Total Amount of Waste Received (a) | Mined Materials (b) | On-site Management of Waste | | | | | | Sent Off-site to be: (i) | | Stored On-site (j) | |
|------------------------------------|------------------------------------|---------------------|-----------------------------|--------------|---------------|-----------------|-------------|-----------|--------------------------|---------------------------|-------------------------------|-------------------------|
| | | | Landfilled (c) | Recycled (d) | Composted (e) | Incinerated (f) | Mulched (g) | Other (h) | Recycled | Treated, Stored, Disposed | Beginning of Reporting Period | End of Reporting Period |
| 13 Municipal Solid Waste | 558017.41 | | | | | | | | | 558017.41 | | |
| 14 Construction/ Demolition/Debris | 8021.42 | | | | | | | | 0 | 8021.42 | | |
| 15 Industrial Waste | 0 | | | | | | | | 0 | 0 | | |
| 16 Regulated Medical Waste | 0 | | | | | | | | 0 | 0 | | |
| 17 Vegetative/Yard Waste | 33968 | | | | | 24521 | | | 11123 | 0 | 1676 | 0 |
| 18 Incineration Ash | 0 | | | | | | | 0 | 0 | 0 | 0 | 0 |
| 19 Sludge | 0 | | | | | | | 0 | 0 | 0 | 0 | 0 |
| 20 Tires | 45.99 | | | | | | | 0 | 0 | 45.99 | 0 | 0 |
| 21 White Goods | 3179.96 | | | | | | | 0 | 3179.96 | 0 | 0 | 0 |
| 22 Friable Asbestos | 0 | | | | | | | 0 | 0 | 0 | 0 | 0 |
| 23 Petroleum Contaminated Soil | 0 | | | | | | | 0 | 0 | 0 | 0 | 0 |
| 24 Other Wastes (specify) | 9475.84 | | | | | | | 0 | 8548 | 927.86 | 0 | 0 |
| 25 Total | 612,708.62 | | | | | | | 24,521.00 | 22,850.96 | 567,012.68 | 1,676.00 | 0.00 |

Facility Comments

24-Household Hazardous Waste 250.37; Paint disposed 677.48; Motor Oil 134.18; Antifreeze 33.72; Battery Core 98.18; Waste Vegetable Oil 1.89; batteries (exclude core) 5.24; toner cartridges 3.53; paint recycle 10.38; e-waste 537.01; recycling (singlestream, comingle, OCC, mixed paper) 7301.48, glass 422.38; waste volumes changed across the program due to covid, #14 cdd reduction due to facility operational changes

Complete a separate form for each jurisdiction.

See the instructions for completing Form DEQ 50-25. A separate form is provided for the optional Statement of Economic Benefits.

Revised 11/26/2012

SOLID WASTE INFORMATION AND ASSESSMENT PROGRAM REPORTING TABLE - FORM DEQ 50-25

| | | | | |
|-----|---|-----------------------------------|--|--|
| 1 | Facility Name Interstate 95 Landfill | | | |
| 2 | Permit Number SWP103 | 3 Date Submitted to DEQ 3/31/2022 | 4 Annual Reporting Period 2021 | |
| 5 | Preparer's First Name Susan | Middle Initial L | Last Name Davidson | 6 Telephone 703-324-5236 |
| 7 | Preparer's E-mail Address susan.davidson@fairfaxcounty.gov | | | |
| 8 | Has there been a change to the Annual Fee Billing Contact, Address or Telephone Number? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| | Contact First Name Hans | Last Name Christensen | | Contact Phone 703-324-5230 |
| | Address 12000 Government Center Parkway #458 | | | E-Mail hans.christensen@fairfaxcounty.gov |
| | City Fairfax | State VA | | Zip Code 22030 |
| 9 A | Remaining Permitted Capacity 6,697,367 | Cubic Yards | If a facility's permitted capacity is reported in tons, please note this below in Facility Comments. DEQ will apply conversion factors based on the type of waste in order to calculate the volume and the number of years of permitted capacity available in the state. | |
| 9 B | Expected Remaining Permitted Life 29.7 | Years | | |
| 10 | Does facility have active scales? <input checked="" type="checkbox"/> Yes or <input type="checkbox"/> No Note: facilities with no active scales must enter the total amount landfilled in cubic yards. | | | Total amount landfilled in cubic yards for all jurisdictions |
| 11 | Originating Jurisdiction Virginia | | 11A Statement of Economic Benefits submitted? <input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No | |
| 12 | Facilities landfilling VA incineration ash | | Use the supplemental form to provide the facility from which ash was received and the amount. | |

Waste amounts measured in : Tons or Cubic Yards

| Waste Type | Total Amount of Waste Received (a) | Mined Materials (b) | On-site Management of Waste | | | | | | Sent Off-site to be: (i) | | Stored On-site (j) | | |
|------------------------------------|------------------------------------|---------------------|-----------------------------|--------------|----------------|-----------------|-------------|-----------|--------------------------|---------------------------|-------------------------------|-------------------------|----------|
| | | | Landfilled (c) | Recycled (d) | Compost ed (e) | Incinerated (f) | Mulched (g) | Other (h) | Recycled | Treated, Stored, Disposed | Beginning of Reporting Period | End of Reporting Period | |
| 13 Municipal Solid Waste | 33927.47 | | | | | | | | | 33927.47 | | | |
| 14 Construction/ Demolition/Debris | 33530.77 | | | | | | | | | 33530.77 | | | |
| 15 Industrial Waste | 0 | | | | | | | | | 0 | | | |
| 16 Regulated Medical Waste | 0 | | | | | | | | | 0 | | | |
| 17 Vegetative/Yard Waste | 25796.2 | | | | | | | 20610 | 4875.6 | 0 | 1089 | 1400 | |
| 18 Incineration Ash | 382116.83 | | 382116.83 | | | | | 0 | 0 | 0 | 0 | 0 | |
| 19 Sludge | 0 | | 0 | | | | | 0 | 0 | 0 | 0 | 0 | |
| 20 Tires | 2243.28 | | 0 | | | | | 0 | 0 | 2243.28 | 0 | 0 | |
| 21 White Goods | 2467.73 | | 0 | | | | | 0 | 2467.73 | 0 | 0 | 0 | |
| 22 Friable Asbestos | 0 | | 0 | | | | | 0 | 0 | 0 | 0 | 0 | |
| 23 Petroleum Contaminated Soil | 0 | | 0 | | | | | 0 | 0 | 0 | 0 | 0 | |
| 24 Other Wastes (specify) | 6221.69 | | 0 | | | | | 0 | 610.48 | 5291.79 | 319.43 | 0 | |
| 25 Total | 486,303.97 | | 382,116.83 | 0.00 | | | | 20,610.00 | 610.48 | 12,635.12 | 70,020.95 | 1,089.00 | 1,400.00 |

Facility Comments

24 - Household Hazardous Waste 77.04; Paint disposed 242.39; Motor Oil 44.86; Antifreeze 8.13; Battery Core 28.23; Waste Vegetable Oil .21; Batteries (exclude core) 1.51; toner cartridges .39; paint recycle 3.19; e-waste 179.00; recycling (singlestream, comingle, OCC, mixed paper) 251.81; glass 4774.45; filter media 610.48; waste volumes changed across the program due to covid; Facility stopped accepting commercial tires in September 2021.

SUPPLEMENTAL SOLID WASTE INFORMATION AND ASSESSMENT PROGRAM REPORTING TABLE - FORM DEQ 50-25

Only those facilities that landfill Virginia incineration ash provide this information.

| Permit Number | Annual Reporting Period | |
|--|--|--------------------------------------|
| Facilities landfilling VA incineration ash: Received from Permit No., Facility Name | VA ash amount measured in | |
| | <input checked="" type="checkbox"/> Tons | <input type="checkbox"/> Cubic Yards |
| PBR 545 - Covanta Fairfax | 302,655.44 | |
| PBR 551 - Covanta Alex/Arl | 76,491.74 | |
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Facility Comments

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| |
| <p>Facilities should use the same units of measure (Cubic Yards or Tons) for Rows 12 - 24. Facilities that do not landfill VA incineration ash do not complete this supplemental form. See the instructions for completing Form DEQ 50-25.</p> <p style="text-align: right;">Revised 11/26/2012</p> |



Commonwealth of Virginia
Locality Recycling Rate Report
 DEQ Form 50-30 (Revised September 2018)

Date Submitted

Calendar Year

Solid Waste Planning Unit

Click on the adjacent cell for drop down menu

SWPU Web Page

Contact 1

Contact 2

| | | | |
|---|--|---|-----------------------------------|
| Name | Marion Plummer | | Eric Forbes |
| Title | Management Analyst II | | Director, Recycling & Engineering |
| Address Line 1 | SWMP, Suite 458 | | SWMP, Suite 458 |
| Address Line 2 | 12000 Government Center Parkway | | 12000 Government Center Parkway |
| Address Line 3 | Fairfax, VA 22035 | | Fairfax, VA 22035 |
| Phone Number | 703.324.5451 | | 703.324.5489 |
| Email address | marion.plummer@fairfaxcounty.gov | | eric.forbes@fairfaxcounty.gov |
| Total Population for SWPU | 1,167,000 | SWPU Population Density | 2,869 |
| Mandated Recycling Rate (% will auto calculate) | 25% | Reporting Frequency (Will auto calculate) | Yearly |
| Sources for PRM Data <i>Example: Permit #112, County Landfill</i> | Material Recovery Facilities, County Facilities | | |
| Other Sources for collected data <i>Example: Walmart/Target</i> | Grocery stores, retail outlets, Recycling Processors (paper, metal, tire, etc.), Landscape companies | | |
| Comments: | | | |

Enter tons (whole numbers only) in the yellow highlighted boxes for PRMs and MSW Disposed. Totals will auto calculate.

| Principal Recyclable Materials (PRM) | |
|---|----------------|
| PRM Material | Tons recycled |
| Paper | 51,674 |
| Metal | 71,875 |
| Plastic | 993 |
| Glass | 5,197 |
| Commingled | 67,861 |
| Yard Waste | 197,869 |
| Waste Wood | 27,620 |
| Textiles | 6,028 |
| Waste Tires | 6,193 |
| Used Oil | 4,089 |
| Used Oil Filters | 310 |
| Used Antifreeze | 306 |
| Batteries | 1,863 |
| Electronics | 2,129 |
| Inoperative Motor Vehicles | 0 |
| Other Total (Specify Material and tonnage on Rows 24 - 39 to the right.) | 17,405 |
| Total PRM in Tons | 461,412 |

| Specify Other PRMs for Row 39 | |
|-------------------------------|---------------|
| PRM Material | Tons recycled |
| FOG | 3,026 |
| Food Waste | 14,379 |
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| | |
| Other Total | 17,405 |

| MSW Disposed | |
|---------------------|----------------|
| Household Waste | 250,110 |
| Commercial Waste | 375,165 |
| Institutional Waste | |
| Other | |
| Total MSW | 625,275 |

| Credit for Source Reduction Program | |
|--|-----------|
| SRP does not apply enter "0". SRP does apply enter "2" | |
| | |
| | 2% |

Enter facility information and material in columns A and B. Enter tons (whole numbers only) in the yellow highlighted boxes. Totals will auto calculate.

| Credits Recycling Residue | | |
|---------------------------|----------|------|
| Facility/Operation | Material | Tons |
| | | |
| | | |
| | | |
| | | |
| | | |
| Total | | 0 |

| Credits Solid Waste Reused | | |
|----------------------------|----------|------|
| Reuse Method | Material | Tons |
| | | |
| | | |
| | | |
| | | |
| | | |
| Total | | 0 |

| Credits Non-MSW recycled | | |
|--------------------------|----------|--------|
| Recycling Method | Material | Tons |
| Deconstruction | Concrete | 19,879 |
| Deconstruction | C&D | 42,003 |
| | | |
| | | |
| | | |
| Total | | 61,882 |
| CREDITS TOTAL | | 61,882 |

Recycling rates auto calculate.

| | |
|-------------------------------|--------------|
| Base Recycling Rate | 42.5% |
| Adjusted Recycling Rate | 45.6% |
| Adjusted Recycling Rate + SRP | 47.6% |
| Credit Max Allowed Base +5 | 47.5% |
| Final Recycle Rate | 47.5% |